

Index

A

advanced printing features 1-30, 4-5 to 4-102
application phase of printing 1-4
attribute bit masks
 for printing-related collections 3-9, 3-76

B

base information
 as paper-type collection item 3-14
 defined 3-94

C

caps, synonym 4-14 to 4-15, 4-47
collation information
 as job collection item 3-11
 defined 3-80
collection items, printing-related 3-7 to 3-8
collection objects. *See also* printing-related collections
 printing tag 3-8, 3-77
Collection type 2-47
color matching, for printers 4-9
color profile objects, for printers 4-9, 4-27 to 4-29,
 4-84 to 4-89
color spaces, printer specification 4-8, 4-27 to 4-29
comment information
 as paper-type collection item 3-14
 defined 3-97
compatibility of QuickDraw GX printing with
 Macintosh Printing Manager 1-30
copies information
 as job collection item 3-11
 defined 3-81
core printing features 1-26 to 1-28, 2-3 to 2-81
creator information
 as paper-type collection item 3-14
 defined 3-95
customizing printing features 1-28 to 1-29, 3-22 to
 3-27, 3-33 to 3-39, 3-66 to 3-75, 3-98 to 3-102,
 3-113 to 3-125
Custom Page Setup dialog box 3-113

D

dashes
 synonym 4-14, 4-46
desktop printers 1-7 to 1-8
 application support for 2-39 to 2-42
 icons for 1-9
device communications phase of printing 1-5
dialog boxes 1-10 to 1-13, 2-17 to 2-19
 customization 3-6 to 3-7, 3-22 to 3-27, 3-66 to 3-73,
 3-119 to 3-125
 Custom Page Setup dialog box 3-113
 displaying 2-37 to 2-39, 2-71 to 2-74, 3-23, 3-113 to
 3-121
 Edit menu structure 2-9
 extended item list resources 3-72 to 3-73, 3-128 to
 3-132
 Page Setup dialog box 2-35 to 2-37, 2-72, 3-121
 panel resources 3-24, 3-70, 3-127
 parsing responses in 3-102
 Print dialog box 1-10 to 1-12, 2-37 to 2-39, 2-73, 3-120
 Printing Status dialog box 4-91
 results defined 2-48
 setting up panels 3-67 to 3-69, 3-114
dimensions
 as format object property 2-8
 as paper-type object property 2-9
 from format objects 2-33 to 2-34, 2-70
 from paper-type objects 4-33, 4-77
 of panels 2-7, 3-115
direct mode 4-19 to 4-20, 4-35 to 4-36
 . *See also* job format modes
direct-mode information
 as format collection item 3-13
 defined 3-91
direct mode *See* job format modes
'DITL' resource type 3-71

E

Edit menu structure 2-9
 defined 2-48
error
 as job object property 2-6
 . *See also* printing errors
extended item list resources 3-72 to 3-73, 3-128 to 3-132

F

-
- file-destination information
 - as job collection item 3-11
 - defined 3-83
 - file-fonts information
 - as job collection item 3-11
 - defined 3-85
 - file-format information
 - as job collection item 3-11
 - defined 3-84
 - file-location information
 - as job collection item 3-11
 - defined 3-84
 - Finder printing support 2-39 to 2-42
 - flags information
 - as paper-type collection item 3-14
 - defined 3-97
 - flattening
 - job objects 2-25 to 2-28, 2-56 to 2-58, 2-77
 - print-job flattening function 2-27 to 2-28
 - print-job to handle 2-25 to 2-27
 - font table 4-37, 4-41
 - format collection items
 - changing 3-112
 - direct-mode information 3-13, 3-91
 - format-half-tone information 3-13, 3-92
 - horizontal page-flip information 3-13, 3-93
 - orientation information 3-13, 3-89
 - page-inversion information 3-13, 3-92
 - paper-type lock information 3-13, 3-94
 - precise-bitmap information 3-13, 3-93
 - scaling information 3-13, 3-91
 - vertical page-flip information 3-13, 3-93
 - format collections 3-12 to 3-13
 - accessing 3-118
 - accessing page correspondences 3-61 to 3-66
 - as format object property 2-8
 - constants and data types for 3-89 to 3-94
 - half-tone information 3-21 to 3-22, 3-52 to 3-53
 - items in. *See* format collection items
 - mapping items 3-18 to 3-19
 - format-half-tone information
 - as format collection item 3-13
 - defined 3-92
 - . *See also* halftones
 - format list
 - as print file object property 4-10
 - format mode
 - as job object property 2-6
 - . *See also* job format modes
 - format object properties 2-7 to 2-8
 - collection 2-8
 - dimensions 2-8
 - form 2-8
 - job object 2-8
 - mapping 2-8
 - paper type 2-8
 - format objects 1-17, 2-3 to 2-5, 2-7 to 2-8
 - accessing format collections 3-118
 - as job object property 2-7
 - changing collection items 3-112
 - cloning 3-44 to 3-47, 3-106
 - copying 3-54 to 3-56, 3-105
 - counting owners 3-107
 - creating 3-40 to 3-44, 3-104
 - current format mode 4-81, 4-82
 - defined 2-47
 - disposing of 3-47 to 3-50, 3-104
 - forms 3-20, 3-50 to 3-51, 3-111
 - manipulating 3-16 to 3-22
 - manipulating properties of 2-33 to 2-34, 3-103 to 3-112
 - manipulation by job objects 3-108, 3-126
 - mapping 3-18 to 3-19
 - obtaining job object from 2-33, 2-69
 - properties of. *See* format object properties
 - retrieving dimensions 2-33 to 2-34, 2-70
 - retrieving forms 3-111
 - retrieving from job object 2-69
 - retrieving mapping 3-57, 3-109
 - retrieving the paper type 3-57 to 3-59, 3-110
 - sharing 3-44 to 3-47
 - format-panel information
 - as job collection item 3-12
 - defined 3-88
 - formatting
 - associating pages and formats 3-61 to 3-66
 - for specific devices 4-79 to 4-84
 - page formatting 3-6 to 3-7, 3-15 to 3-22, 3-39 to 3-66
 - text mode queries 4-36 to 4-37, 4-83
 - formatting printers
 - as job object property 2-6
 - changing color profiles 4-88
 - determining for job objects 4-51
 - retrieving color profiles 4-85
 - selecting 4-50
 - forms 1-17
 - as format object property 2-8
 - printing 3-20
 - retrieving 3-111
 - specifying 3-111
 - using 3-50 to 3-51
 - forwarding messages 3-23

GA—GXB

Gestalt selectors
 for QuickDraw GX printing 2-11, 2-47
 gxBaseInfo structure 3-94

GXC

GXChangedFormat function 3-112
 GXCloneFormat function 3-46, 3-106
 GXClosePrintFile function 4-29, 4-63
 gxCollationInfo structure 3-80
 gxCollectionCategory type 3-9, 3-77
 gxCommentInfo structure 3-98
 GXConvertPrintRecord function 2-45, 2-75
 gxCopiesInfo structure 3-81
 GXCopyFormat function 3-54, 3-105
 GXCopyJob function 4-25, 4-53
 GXCopyPaperType function 4-76
 GXCountFormatOwners function 3-107
 GXCountJobFormats function 3-107
 GXCountJobPaperTypes function 4-75
 GXCountPrinterViewDevices function 4-26, 4-57
 GXCountPrintFilePages function 4-29, 4-30, 4-65
 gxCreatorInfo structure 3-95
 gxCubicSynonym enumeration 4-48
 gxCubicSynonymFlags type 4-48

GXD

gxDashSynonym structure 4-14, 4-46
 GXDeletePrintFilePageRange function 4-69
 gxDialogResult type 2-48
 gxDirectModeInfo structure 3-91
 GXDisposeFormat function 3-49, 3-54, 3-104
 GXDisposeJob function 2-28, 2-29, 2-55
 GXDisposePaperType function 4-72
 GXDrawShape function 2-20, 2-22, 2-64

GXE

gxEditMenuRecord structure 2-9, 2-48
 GXEnableJobScalingPanel function 3-116
 GXEnterGraphics function 2-11, 2-50
 GXExitGraphics function 2-12, 2-51
 GXExitPrinting function 2-12, 2-51
 gxExtendedDITLType resource type 3-72 to 3-73,
 3-128 to 3-132

GXF

gxFileDestinationInfo structure 3-83
 gxFileFontsInfo structure 3-85
 gxFileFormatInfo structure 3-84
 gxFileLocationInfo structure 3-84
 GXFilterPanelEvent message 3-124
 GXFindFormatProfile function 4-85
 GXFindPrinterProfile function 4-84
 GXFinishJob function 2-20, 2-65
 GXFinishPage function 2-20, 2-22, 2-64, 2-67
 gxFlagsInfo structure 3-97
 GXFlattenJob function 2-25, 2-27, 2-28, 2-29, 2-57
 GXFlattenJobToHdl function 2-25, 2-29, 2-56
 gxFlipPageHorizontalInfo structure 3-93
 gxFlipPageVerticalInfo structure 3-93
 gxFontTable structure 4-37, 4-41
 GXForEachFormatDo function 3-108
 GXForEachJobFormatDo function 3-60
 GXForEachJobPaperTypeDo function 4-34, 4-78
 GXForEachPrinterViewDeviceDo function 4-56
 GXFormatDialog function 3-113, 4-24
 GXFormatDialog message 3-122
 gxFormatHalftoneInfo structure 3-92, 4-15, 4-46
 gxFormatPanelInfo structure 3-88
 gxFormat type 2-47

GXG

GXGetFormatCollection function 3-53, 3-118
 GXGetFormatDimensions function 2-12, 2-70
 GXGetFormatForm function 3-111
 GXGetFormatJob function 2-33, 2-69
 GXGetFormatMapping function 3-57, 3-109
 GXGetFormatPaperType function 3-58, 3-110
 GXGetJobCollection function 3-28, 3-117
 GXGetJobError function 2-14, 2-52
 GXGetJobFormat function 2-21, 2-69
 GXGetJobFormatMode function 4-36, 4-81
 GXGetJobFormattingPrinter function 4-26, 4-51
 GXGetJobOutputPrinter function 4-22, 4-51
 GXGetJobPageRange function 2-20, 2-62
 GXGetJobPanelDimensions function 3-115
 GXGetJobPaperType function 4-74
 GXGetJobPrinter function 4-55
 GXGetJobRefCon function 4-52
 GXGetMessageHandlerResFile function 3-116
 GXGetNewPaperType function 4-73
 GXGetPaperTypeCollection function 3-118
 GXGetPaperTypeDimensions 4-33
 GXGetPaperTypeDimensions function 4-77
 GXGetPaperTypeJob function 4-78
 GXGetPaperTypeName function 4-32, 4-76

GXGetPreferredJobFormatMode function 4-80
 GXGetPrinterDriverName function 4-22, 4-59
 GXGetPrinterDriverType function 4-22, 4-60
 GXGetPrinterJob function 4-55
 GXGetPrinterName function 4-22, 4-59
 GXGetPrinterType function 4-22, 4-61
 GXGetPrinterViewDevice function 4-26, 4-57
 GXGetPrintFileJob function 4-64

GXH, GXI

GXHandlePanelEvent message 3-123
 GXIdleJob function 4-90
 GXInitPrinting function 2-11, 2-50
 GXInsertPrintFilePage function 4-68
 GXInstallApplicationOverride function 2-18,
 2-54, 2-71, 3-67
 gxInvertPageInfo structure 3-92

GXJ, GXK

GXJobDefaultFormatDialog function 2-35, 2-72
 GXJobDefaultFormatDialog message 3-121
 GXJobFormatModeQuery function 4-36, 4-83
 gxJobFormatModeTable type 4-39
 gxJobFormatMode type 4-39
 gxJobInfo structure 3-78
 GXJobPrintDialog function 2-38, 2-73
 GXJobPrintDialog message 3-120
 GXJobStatus message 4-91
 gxJob type 2-47

GXL, GXM

gxLineCaps enumeration 4-47
 gxLineCapSynonym type 4-14, 4-47
 gxLoopStatus type 3-60, 3-76
 gxManualFeedInfo structure 3-86

GXN

GXNewFormat function 3-42, 3-54, 3-104
 GXNewJob function 2-13, 2-54
 GXNewPaperType function 4-32, 4-71
 gxNormalMappingInfo structure 3-86

GXO

GXOpenPrintFile function 4-29, 4-62
 gxOrientationInfo structure 3-90

GXP

gxPageRangeInfo structure 3-81
 gxPanelEvent enumeration 3-99
 gxPanelInfoRecord structure 3-98
 gxPanelSetupRecord structure 3-101
 gxPaperFeedInfo structure 3-85
 gxPaperTypeLockInfo structure 3-94
 gxPaperType type 2-47
 GXParsePageRange message 3-125
 gxParsePageRangeResult type 3-102
 gxPatterns enumeration 4-48
 gxPatternSynonym structure 4-17, 4-47
 gxPenTableEntry structure 4-21, 4-44
 gxPenTable structure 4-21, 4-44
 gxPositionConstraintTable structure 4-37, 4-41
 gxPostControl structure 4-14, 4-45
 gxPreciseBitmapInfo structure 3-94
 gxPrinter type 2-47
 gxPrintFile type 2-47
 GXPrintingEvent message 2-17, 2-18, 2-76
 gxPrintingPanelKind enumeration 3-102
 GXPrintPage function 2-20, 2-21, 2-64, 2-69
 gxPrintPanelInfo structure 3-88
 gxPrintPanelType resource type 3-24, 3-70, 3-127
 gxPsStateFlags enumeration 4-45

GXQ

gxQualityInfo structure 3-83
 gxQueryType type 4-40
 gxQuickDrawPict structure 4-18, 4-49

GXR

GXReadPrintFilePage function 4-30, 4-65
 GXReplacePrintFilePage function 4-66

GXS

GXSavePrintFile function 4-70
 gxScalingInfo structure 3-91

GXSelectJobFormattingPrinter function 4-50
 GXSelectJobOutputPrinter function 2-40, 2-61
 GXSelectPrinterViewDevice function 4-58
 GXSetAvailableJobFormatModes function 4-35, 4-80
 GXSetFormatForm function 3-50, 3-111
 GXSetFormatProfile function 4-88
 GXSetJobError function 2-17, 2-53
 GXSetJobFormatMode function 4-36, 4-82
 GXSetJobRefCon function 4-23, 4-53
 GXSetPrinterProfile function 4-87
 GXSetupDialogPanel function 3-68
 GXSetupPanel function 3-114
 gxSimplePageRangeInfo structure 3-82
 gxSpecialMappingInfo structure 3-87
 GXStartJob function 2-20, 2-63
 GXStartPage function 2-20, 2-22, 2-64, 2-66, 2-69
 gxStatusRecord structure 4-42
 gxStatusType resource type 4-93 to 4-94
 gxStyleNameTable structure 4-37, 4-41

GXT

gxTranslatedDocumentInfo structure 3-89
 gxTrayIndex type 3-88
 gxTrayMappingInfo structure 3-88

GXU—GXZ

GXUnflattenJobFromHdl function 2-30, 2-58
 GXUnflattenJob function 2-29, 2-32, 2-59
 GXUnflattenJobToHdl function 2-29
 gxUnitsInfo structure 3-96
 GXUpdateJob function 2-42, 2-60

H

halftones
 printing with 3-21 to 3-22, 4-15 to 4-16, 4-46
 specifying 3-52 to 3-53, 4-46
 synonym for 4-46
 horizontal page-flip information
 as format collection item 3-13
 defined 3-93

I

imaging phase of printing 1-5
 item list resource type 3-71

J, K

job collection items
 collation information 3-11, 3-80
 copies information 3-11, 3-81
 file-destination information 3-11, 3-83
 file-fonts information 3-11, 3-85
 file-format information 3-11, 3-84
 file-location information 3-11, 3-84
 format-panel information 3-12, 3-88
 manual-feed information 3-11, 3-86
 page-range information 3-11, 3-81
 paper-feed information 3-11, 3-85
 paper-mapping information 3-12
 print-job information 3-10, 3-78
 print-panel information 3-12, 3-88
 quality information 3-11, 3-83
 special mapping information 3-11, 3-12, 3-87
 standard mapping information 3-11, 3-86
 translated-document information 3-12, 3-89
 tray-mapping information 3-12, 3-88
 job collections 3-10 to 3-12
 accessing 3-117
 as job object property 2-7
 constants and data types for 3-78 to 3-89
 items in. *See* job collection items
 job format modes
 defined 4-19 to 4-20, 4-39
 determining preferred mode 4-80
 retrieving current mode 4-81
 setting current mode 4-82
 specifying 4-80
 text formatting 4-36 to 4-37, 4-40 to 4-41, 4-83
 text query types defined 4-40
 using 4-35 to 4-36
 job object properties 2-5 to 2-7
 collection 2-7
 error 2-6
 format list 2-7
 format mode 2-6
 formatting printer 2-6
 output printer 2-6
 page range 2-7
 panel dimensions 2-7
 paper-type list 2-7
 reference constant 2-6
 job objects 1-16 to 1-17, 2-3 to 2-5, 2-5 to 2-7
 accessing job collections 3-117

- as format object property 2-8
- as paper-type object property 2-9
- as printer object property 4-7
- as print file object property 4-10
- copying 4-25, 4-53
- counting format objects 3-107
- counting paper-types for 4-75
- creating 2-12 to 2-14, 2-54
- defined 2-47
- determining page range for 2-62
- disposing of 2-28 to 2-29, 2-55
- error for 2-52
- finishing a print job 2-65
- flattening 2-25 to 2-28, 2-56 to 2-58, 2-77
- manipulating 2-54 to 2-60
- manipulating format objects 3-108, 3-126
- manipulating paper types 4-34 to 4-35, 4-78, 4-92
- manipulating properties of 4-23 to 4-24, 4-50 to 4-54
- printing with 2-61 to 2-68
- print record conversion 2-75
- properties of. *See* job object properties
- retrieving 2-29 to 2-32
- retrieving a printer 4-55
- retrieving format objects from 2-69, 3-59 to 3-61
- retrieving from format objects 2-69
- retrieving panel dimensions 3-115
- retrieving paper-type objects 4-74
- retrieving printer information 4-22 to 4-23
- saving 2-24 to 2-28
- setting error condition 2-53
- setting error conditions for 2-17
- unflattening 2-30 to 2-32, 2-58 to 2-60, 2-78
- updating 2-42 to 2-44, 2-60

L

line caps. *See* Caps

loop status information 3-76

M, N

Macintosh Printing Manager

- compatibility with QuickDraw GX 1-30, 2-75
- printing documents created with 2-44 to 2-45

manual-feed information

- as job collection item 3-11
- defined 3-86

mappings

- and format objects 3-18 to 3-19, 3-57, 3-109
- as format object property 2-8

message chain 1-13

message handlers 1-13, 2-71

messages 1-13 to 1-15

- forwarding 3-23
- installing handlers for 2-71
- printing messages 1-13
- retrieving resources for handler 3-116

MyDocumentRec structure 2-10

MyFlattenFunction application-defined function 2-27, 2-77

MyFormatFunction application-defined function 3-60, 3-126

MyPaperTypeFunction application-defined function 4-34, 4-92

MyUnflattenFunction application-defined function 2-32, 2-78

MyViewDeviceFunction application-defined function 4-92

O

objects

- printing-related 1-6 to 1-7, 1-16 to 1-22
- . *See also* job objects; format objects; paper-type objects; printer objects; print file objects

orientation information

- as format collection item 3-13
- defined 3-89

output printers

- as job object property 2-6
- changing color profiles 4-87
- determining for job objects 4-51
- retrieving color profiles 4-84
- selecting 2-61

override functions 1-13

- MyFormatDialogOverride application-defined function 3-67
- MyParsePageRangeOverride application-defined function 3-75
- MyPrintDialog application-defined function 3-73
- MyPrintingEvent application-defined function 2-19
- setting up 2-71

P

page count

- as print file object property 4-10
- determining for print file 4-29, 4-65

page formatting. *See* formatting

page-inversion information

- as format collection item 3-13

- defined 3-92
- page-range information 3-33 to 3-39
 - as job collection item 3-11
 - defined 3-81
 - parsing 3-73 to 3-75
- page ranges
 - as job object property 2-7
 - deleting from print files 4-69
 - determining 2-62
- Page Setup dialog box 2-35 to 2-37, 2-72, 3-121
- page size
 - from paper type 4-33, 4-77
 - . *See also* dimensions
- panel dimensions
 - as job object property 2-7
 - determining 3-115
- panel events
 - actions 3-101
 - automated responses 3-25 to 3-27
 - constants and data types 3-99 to 3-102
 - handling 3-25 to 3-27, 3-123 to 3-125
- panel information structure 3-98
- panel resources 3-24, 3-70, 3-127
- panels 1-11 to 1-13
 - automating responses in 3-25 to 3-27
 - custom 3-22 to 3-24
 - for scaling 3-116
 - resources 3-24, 3-70, 3-127
 - retrieving dimensions of 3-115
 - . *See also* panel events
 - setting up 3-67 to 3-69, 3-114
- panel setup information structure 3-101
- paper-feed information
 - as job collection item 3-11
 - defined 3-85
- paper-mapping information
 - as job collection item 3-12
- paper size
 - from paper type 4-33, 4-77
 - . *See also* dimensions
- paper-type collection items
 - base information 3-14, 3-94
 - comment information 3-14, 3-97
 - creator information 3-14, 3-95
 - flags information 3-14, 3-97
 - units information 3-14, 3-96
- paper-type collections 3-14
 - accessing 3-118
 - as paper-type object property 2-9
 - constants and data types for 3-94 to 3-98
 - items in. *See* paper-type collection items
- paper-type lock information
 - as format collection item 3-13
 - defined 3-94
- paper-type name
 - as paper-type object property 2-9
 - determining 4-76
- paper-type object properties 2-8 to 2-9
 - collection 2-9
 - dimensions 2-9
 - job object 2-9
 - name 2-9
- paper-type objects 1-18, 2-3 to 2-5, 2-8 to 2-9
 - accessing paper-type collections 3-118
 - as format object property 2-8
 - as job object property 2-7
 - copying 4-76
 - creating 4-32, 4-71
 - creating from resources 4-73
 - defined 2-47
 - determining paper and page sizes 4-33, 4-77
 - determining the name of 4-32 to 4-33
 - disposing of 4-72
 - manipulating for a job object 4-34 to 4-35, 4-78, 4-92
 - manipulating properties of 4-71 to 4-79
 - properties of. *See* paper-type object properties
 - retrieving by format objects 3-57 to 3-59, 3-110
 - retrieving job object from 4-74, 4-78
 - retrieving the name 4-76
- parse range results enumeration 3-102
- parsing page range information 3-73 to 3-75
- partial overrides of printing messages 1-13
- path shapes
 - cubic synonym 4-17 to 4-18, 4-38, 4-48
- patterns
 - synonym 4-17, 4-47 to 4-48
- 'pdoc' Apple event 2-40
- pen tables 4-20 to 4-21, 4-43 to 4-44
- portable digital document
 - defined 1-5
 - . *See also* print files
- position constraint table 4-37, 4-41
- PostScript synonyms 4-12 to 4-14, 4-45
- 'ppn1' resource type. *See* panel resource
- precise-bitmap information
 - as format collection item 3-13
 - defined 3-93
- Print dialog box 1-10 to 1-12, 2-37 to 2-39, 2-73, 3-120
- Print Documents ('pdoc') Apple event 2-40
- printer driver name
 - as printer object property 4-7
 - retrieving 4-59
- printer drivers 1-8 to 1-9
- printer driver type
 - as printer object property 4-7
 - codes 4-7
 - retrieving 4-60
- printer name
 - as printer object property 4-7
 - retrieving 4-59

- printer object properties 4-6 to 4-7
 - job object 4-7
 - printer driver name 4-7
 - printer driver type 4-7
 - printer name 4-7
 - printer type 4-7
 - view device list 4-7
- printer objects 1-20, 4-6 to 4-9
 - color specification 4-8, 4-27 to 4-29, 4-84 to 4-89
 - counting view devices 4-57
 - defined 2-47
 - determining resolution for 4-26 to 4-27
 - manipulating properties of 4-54 to 4-61
 - manipulating view devices 4-56, 4-92
 - properties of. *See* printer object properties
 - retrieving from a job object 4-55
 - retrieving properties of 4-22 to 4-23
 - retrieving the driver name 4-59
 - retrieving the job object from 4-55
 - retrieving the printer driver type 4-60
 - retrieving the printer name 4-59
 - retrieving the printer type 4-61
 - retrieving view devices 4-57
 - selecting view devices 4-58
 - view devices 4-8, 4-25 to 4-29
- printers. *See* formatting printers; output printers; desktop printers
- printer type
 - as printer object property 4-7
 - retrieving 4-61
- print file object properties 4-10
 - format list 4-10
 - job object 4-10
 - page count 4-10
 - shape list 4-10
- print file objects 1-20, 4-9 to 4-10
 - defined 2-47
 - determining job object 4-30, 4-64
 - manipulating properties of 4-61 to 4-70
 - properties of. *See* print file object properties
 - . *See also* print files
 - using 4-29 to 4-31
- print files 1-8
 - closing 4-29 to 4-30, 4-63
 - counting pages in 4-31, 4-65
 - deleting pages from 4-69
 - determining print-jobs 4-64
 - inserting pages in 4-68
 - opening 4-29 to 4-30, 4-62
 - QuickDraw picture data in 4-18 to 4-19
 - reading pages from 4-30 to 4-31, 4-65
 - replacing pages in 4-66
 - saving 4-30, 4-70
- printing 1-25 to 1-31, 2-61 to 2-68
 - and collection objects 3-7 to 3-14
 - and error handling 2-14 to 2-17
 - and idling 4-90
 - core objects 2-3 to 2-9
 - dialog box customization 3-22 to 3-27
 - direct-mode implementation 4-35 to 4-36
 - each page 2-64
 - finish a print job 2-65
 - finishing a page 2-67
 - forms 3-20
 - Gestalt selector 2-11, 2-47
 - halftone specifications 3-21 to 3-22, 4-15 to 4-16, 4-46
 - handling events 2-76
 - initializing the environment 2-11 to 2-12, 2-50
 - introduction 1-3 to 1-31
 - job format mode 4-19 to 4-20, 4-35 to 4-36, 4-39
 - object summary 1-20 to 1-22
 - of QuickDraw picture data 4-18 to 4-19
 - page at a time 2-21 to 2-22
 - page formatting 3-15 to 3-22, 3-39 to 3-66
 - print loop 2-20 to 2-24
 - resources 1-13, 3-24, 3-70 to 3-73, 3-127 to 3-132, 4-93 to 4-94
 - setting up the environment 2-50 to 2-51
 - shape-by-shape 2-22 to 2-24, 2-66
 - starting a print job 2-63
 - support for Finder 2-39 to 2-42
 - supporting dialog boxes 2-17 to 2-19
 - terminating the environment 2-11 to 2-12, 2-51
- printing errors
 - determining last 2-52
 - handling 2-14 to 2-17, 2-52 to 2-53
 - setting 2-53
- printing extensions 1-9 to 1-10
- Printing Manager, Macintosh
 - compatibility with QuickDraw GX 1-30, 2-75
 - printing documents created with 2-44 to 2-45
- printing modes 4-19 to 4-20
 - . *See also* job format modes
- printing panel kinds 3-102
- printing phases 1-3 to 1-5
 - application 1-4
 - device communications 1-5
 - imaging 1-5
 - spooling phase 1-5
- printing-related collections 1-18 to 1-19
 - accessing 3-28 to 3-33, 3-117 to 3-118
 - changing format items 3-112
 - collection tag ID 3-8, 3-77
 - identifying items 3-7 to 3-8
 - item categories 3-9, 3-76
 - items in 3-7 to 3-14
 - item structures 3-8
 - replacing items 3-31 to 3-33
 - . *See also* job collections; format collections; paper-type collections

Printing Status dialog box 4-91
 print-job information
 as job collection item 3-10
 defined 3-78
 Print One Copy menu item 3-29
 print-panel information
 as job collection item 3-12
 defined 3-88
 print record conversion 2-45, 2-75

Q

quality information
 as job collection item 3-11
 defined 3-83
 QuickDraw GX Translator 2-45
 QuickDraw picture data in print files 4-18 to 4-19

R

reading pages from print files 4-65
 reference constants
 as job object property 2-6
 retrieving from job objects 4-23 to 4-24, 4-52
 setting in job objects 4-23 to 4-24, 4-53
 resources
 for dialog boxes 1-13, 3-24, 3-70 to 3-73, 3-127 to 3-132
 retrieving from message handler 3-116
 resource types
 'DITL' 3-71
 gxExtendedDITLType 3-72 to 3-73, 3-128 to 3-132
 gxPrintPanelType 3-24, 3-70, 3-127
 gxStatusType 4-93 to 4-94

S

scaling information
 as format collection item 3-13
 custom panel for 3-116
 defined 3-91
 shape list
 as print file object property 4-10
 shape objects
 and printing 1-23
 special mapping information
 as job collection item 3-11, 3-12
 defined 3-87
 spooling phase of printing 1-5

standard mapping information
 as job collection item 3-11
 defined 3-86
 'stat' resource type. *See* status resource
 status message 4-90 to 4-91
 status resource 4-93 to 4-94
 status structure 4-42
 style name table 4-37, 4-41
 synonyms 4-11 to 4-19
 cubic 4-17 to 4-18, 4-38, 4-48
 dash 4-14, 4-46
 defined 1-5, 4-11 to 4-12, 4-45 to 4-49
 halftone 4-15 to 4-16, 4-46
 line cap 4-14 to 4-15, 4-47
 pattern 4-17, 4-47 to 4-48
 PostScript 4-12 to 4-14, 4-45
 QuickDraw picture 4-18 to 4-19, 4-49
 . See also tag types
 using 4-38

T

tag objects
 and printing 1-24
 and synonyms 4-11 to 4-19
 tag types
 gxCubicSynonymTag type 4-18, 4-48
 gxDashSynonymTag type 4-14, 4-46
 gxFormatHalftoneTag type 4-15, 4-46
 gxLineCapSynonymTag type 4-14, 4-47
 gxPatternSynonymTag type 4-17, 4-47
 gxPenTableTag type 4-21, 4-43
 gxPostControlTag type 4-14, 4-45
 gxPostScriptTag type 4-45
 gxQuickDrawPictTag type 4-18, 4-49
 text job format mode 4-36 to 4-37, 4-40 to 4-41
 . See also job format modes
 total overrides of printing messages 1-13
 translated-document information
 as job collection item 3-12
 defined 3-89
 tray-mapping information
 as job collection item 3-12
 defined 3-88

U

unflattening
 job objects 2-30 to 2-32, 2-58 to 2-60, 2-78
 print-job flattening function 2-32
 print-job from handle 2-30 to 2-31

- units information
 - as paper-type collection item 3-14
 - defined 3-96

V, W

- vector device pen tables 4-20 to 4-21, 4-43 to 4-44
- vector pen table entry structure 4-21
- vector pen table structure 4-21
- vertical page-flip information
 - as format collection item 3-13
 - defined 3-93
- view device mapping
 - for printers 4-8
- view device objects
 - and printing 1-25
 - printer usage 4-8
- view devices
 - as printer object property 4-7
 - counting for a printer 4-57
 - determining printer resolution 4-26 to 4-27
 - manipulating for printer objects 4-56, 4-92
 - retrieving for a printer 4-57
 - selecting for a printer 4-58
- view port objects
 - and printing 1-24

X, Y, Z

- 'xdt1' resource type. *See* extended item list resource

