
New Technical Notes

Macintosh



®

Developer Support

Title Index

Index

M.IX.TitleIndex

This index lists each Tech Note by Title, and gives the corresponding designation.

Notes on MPW's -mc68881 Option

M.PT.MPWmc68881

32-Bit QuickDraw: Version 1.2 Features

M.IM.32BitQD

A Leading Cause of Color Cursor Cursing

M.IM.ColorCursor

A Printing Loop That Cares...

M.IM.PrintLoop

A Ten-Minute MacApp 'View' Adventure Game

M.PT.MacAppView

A/UX 2.0 Compatibility Guidelines

M.PT.AUXComapt

A/UX System Calls From Macintosh Software

M.PT.AUXSysCalls

Absolute Pointing Device Memory Structure

M.DV.AbsolutePtDev

Accessing the Script Manager Print Action Routine

M.TE.PrintAction

_AddDrive, _DrvInstall, and _DrvRemove

M.DV.AddDrive

Adding Color With CopyBits

M.IM.ColorCopyBits

Am I Talking To A Spooler?

M.IM.IsASpooler

AppleShare 1.1 and 2.0 Limits

M.NW.AppleShareLimits

AppleShare and Old Finders

M.NW.AppleShareOldFinder

AppleShare Foreground Applications

M.NW.AppleShareApp

AppleShare-able Applications and the Resource Manager

M.NW.AppleShareApps

AppleTalk Interface Update

M.NW.AppleTalk

AppleTalk Phase 2 on the Macintosh

M.NW.AppleTalk2Mac

AppleTalk Timers Explained

M.NW.AppleTalkTimer

Apple's Multidisk Installer

M.PT.Installer

Application Configuration with Stationery Pads

M.OV.StationaryPads

Arbitrating the Use of afpMiscUserCommand and afpMiscUserWrite

M.NW.afpMiscUserCommand

ASP and AFP Description Discrepancies

M.NW.ASPvsAFP

Assembly Language Use of _InitGraf with MPW

M.PT.ASMInitGraf

Available Volumes

M.FL.Volunes

Avoid Use of Network EventsM.NW.NoNetEvents

Boot Blocks

M.DV.BootBlocks

Break/CTS Device Driver Event Structure

M.HW.BreakCTSEvent

Bugs in LaserWriter ROMs

M.IM.LaserWriterROM

“Bugs In MacApp? Yes, But I Love It!”

M.PT.MacAPPBugs

Bundles

M.TB.Bundles

Bus Error Handlers

M.DV.BusErrorHandler

Cache As Cache Can

M.HW.Cache

Caching

M.FL.Caching

Calling SetResLoad

M.TB.SetResLoad

'CDEF' Parameters and Bugs

M.TB.CDEFParams

ChangedResource: Too much of a good thing.

M.TB.ChangedResource

Changes in International Utilities and Resources

M.TE.IUChanges

Checking for Specific Functionality

M.OV.ChkForFunction

Chooser Enhancements

M.OV.Chooser

'ckid' Resource Format

M.PT.ProjectorResource

Clearing ioCompletion

M.FL.ioCompletion

CMOS On Macintosh LC PDS

M.HW.CMOSonLCPDS

Color PrintingM.IM.ColorPrinting

Color, Windows and 7.0

M.TB.ColorWindowsIn7

Command-Shift-Number Keys

M.OS.CommandShiftKeys

Compatibility Guidelines

m.ov.compatibility

Compatibility: Why & How

M.OV.CompatibilityWhy

Compatibility with Large-Screen Displays

M.OV.LargeScreens

Cooperating with the Coprocessor

M.HW.MathCoProc

Coping With VM and Memory Mappings

M.ME.VMMemoryMapping

CreateResFile and the Poor Man's Search Path

M.FL.CreateResFilePMSP

Creating Files Inside an AppleShare Drop Folder

M.FL.CreateInDrop

Custom Menu Flashing Bug

M.TB.MenuFlashing

Custom WDEF and wDraw

M.TB.WDEFwDraw

Customizing Standard File

M.FL.SFCustomize

DAs & Drivers in Need of (a Good) Time

M.DV.DriverTime

Data Access Extensions

M.NW.DAMExtensions

Data Servers on AppleTalk

M.NW.Servers

Deaccelerated _CopyBits & 8•24 GC QuickDraw

M.IM.GCQDCopybits

Debugging Tips

M.OV.Debugging

Debugging With PurgeMem and CompactMemM.OV.PurgeNComactDebug

Determining Which File System Is Active

M.FL.ActiveFS

Device-Independent Printing

M.IM.DevIndPrinting

Displaying Large PICT Files

M.IM.LargePict

Document Names and the Printing Manager

M.IM.DocNames

Don't Abuse the Managers

M.OV.ManagerAbuse

Don't Call ADBReInit on the SE with System 4.1

M.HW.ADBReInit

Don't Depend on Register A5 Within Trap Patches

M.OV.A5TrapPatching

Don't Look at ioPosOffset

M.FL.ioPosOffset

Don't Use Resource Header Application Bytes

M.TB.ResHeaderAppBytes

Don't Use the Resource Fork for Data

M.FL.NoDataInResFork

Drawing Characters into a Narrow GrafPort

M.TE.TextInNarrowGP

Drawing Icons

M.IM.DrawingIcons

Drawing Icons the System 7 Way

M.IM.IconDrawing

Drawing Into an Off-Screen Bitmap

M.IM.OffscreenBitMap

Drive Queue Elements

M.DV.DrvQEl

Edit File Format

M.PT.EditFileFormat

Error in FCBPBRec

M.FL.FCBPBRec

Error Returns from GetNewDialogm.tb.GetNewDialogErrs

Every Picture [Comment] Tells Its Story, Don't It?

M.IM.AppPictComments

Fear No SCSI

M.DV.FearNoSCSI

Feeder Fodder

M.IM.Feeder

File Sharing and Shared Folders

M.FL.FileShare

FindDItem

M.TB.FindDItem

Finder Flags

M.TB.FinderFlags

Finder Notes: “Get Info” Default & Icon Masks

M.OV.GetInfoMasks

Finders and Foreign Drives

M.TB.FindersDrives

Finding Drivers in the Unit Table

M.DV.FindingDrivers

Fond of FONDs

M.TE.FONDs

Font Family Numbers

M.IM.FontFamilies

Font Height Tables

M.TE.FontHeight

Font Names

M.IM.FontNames

Fonts and the Script Manager

M.TE.FontsAndScripts

FPU Operations on Macintosh Quadra Computers

M.HW.QuadraFPU

Frequently Asked MultiFinder Questions

M.TB.Multifinder

Fun With PrJobMerge

M.IM.PrJobMerge

_Gestalt & _SysEnviron—A Never-Ending StoryM.OV.GestaltSysenvirons

GetNextEvent; Blinking Apple Menu

M.TB.GetNextEvent

Getting a Full Pathname

M.FL.FullPathName

Getting In Touch With Yourself Via the Apple Event Manager

M.IA.SendToSelf

Getting through CUSToms

M.PT.Customs

Gimmie Depth Or Gimmie Death (So You Want to be a Monitors Impersonator?)

M.DV.MonitorDepth

Giving the (Desk)Hook to INITs

M.OS.DeskHookINIT

Handles and Pointers—Identity Crisis

M.ME.HandleVSPointer

Hard Disk Hacking

M.DV.HDHacking

Hard Disk Medic & Booting Camp

M.FL.DiskMedic

Help for Movable Modal Dialogs

M.TB.MovableModalDialog

Hey Buddy, Can You Spare A Block?

M.FL.Sparing

HFS Compatibility Guidelines

M.FL.Compatibility

HFS Elucidations

M.FL.HFSElucidations

HFS Ruminations

M.FL.HFSRuminations

HFS Tidbits

M.TB.HFSTidbits

High Sierra & ISO 9660 CD ROM Formats

M.FL.ISO9660

High-Level Control and Status Calls: When a Good Call Goes Bad

M.DV.HLControlAndStatus

How To Add Items to the Print DialogsM.IM.AddPrintDialog

How to Bless a Folder to Be the System Folder

M.FL.BlessedFolder

How to Construct Word-Break Tables

M.TE.WordBreakTables

How To Produce Continuous Sound Without Clicking

M.TB.ClicklessSound

HyperCard And You: Economy Edition

M.PT.Hypercard

ImageWriter II Paper Motion

M.IM.ImgWrtrPaper

Inside Object Pascal

M.PT.InsideObjPascal

International Canceling

M.TE.InternationalCancel

International CancelingSafe cdevs

M.TE.SafeCDEV

IOP-Based Serial Differences Under A/UX

M.PT.SerialUnderAUX

Key Mapping

M.TB.KeyMapping

KillNBP Clarification

M.NW.KillNBP

'LDEF' Madness

M.TB.LDEFs

Life With Font/DA Mover—Desk Accessories

M.PT.FontDAMover

Little PowerBook in Slumberland

M.HW.PowerBookSleep

Lock, Unlock the Range

M.FL.LockRange

MacinTalk—The Final Chapter

M.PT.MacinTalk

Macintosh Allegro Common Lisp Features

M.PT.CommonLisp

Macintosh Color Monitor ConnectionsM.HW.ColorMonitors

Macintosh IIfx: The Inside Story

M.HW.MacIIfx

Macintosh Memory Configurations

M.HW.MemConfigs

Macintosh Plus Pinouts

M.HW.MacPlusPinouts

Macintosh Plus ROM Versions

M.HW.PlusROMVers

Macintosh Portable PDS Development

M.HW.PortablePDS

Macintosh Portable ROM Expansion

M.HW.PortableROMExp

Macintosh 21" Color Display Technical Specifications

M.HW.21rgbSpec

MacPaint Document Format

M.PT.MacPaintDoc

Maximum Number of Resources in a File

M.TB.MaxResInFile

Me And My pIdle Proc (or how to let users know what's going on during print time...)

M.IM.pIdleProc

Mixing HFS and C File I/O

M.FL.MixingHFSandC

Modifying the Standard String Comparison

M.TE.NewStringComp

MoreMasters Revisited

M.ME.MoreMasters

Most Excellent CD Notes

M.DV.CDNotes

MoveHHi and SetResPurge

M.ME.MoveHHiSetResPurge

Moving Your Cat

M.FL.PBCatMove

MPW 2.0.2 Bugs

M.PT.MPW202Bugs

MPW: Accessing Globals From Assembly LanguageM.PT.MPWasmGlobals

MPW C Functions: To declare or not to declare, that is the question.

M.PT.CFunctions

MPW C Functions Using Strings or Points as Arguments

M.PT.CFuncArgs

MPW C++ Pitfalls

M.PT.CplusplusPitfalls

MPW: {\$LOAD}; _DataInit;%_MethTables

M.PT.MPWLoad

MPW Object Pascal Without MacApp

M.PT.ObjPascal

MultiFinder and _SetGrowZone

M.ME.MFandSetGrowZone

MultiFinder Miscellanea

M.TB.MultifinderMisc

MultiFinder Revisited: The 6.0 System Release

M.OV.Multifinder

Multiple Inheritance and HandleObjects

M.PT.HandleObjects

My Life as a PascalObject

M.PT.PascalObjects

“New” cdev Messages

M.TB.NewCDEVMsg

New Resource Manager Calls

M.TB.NewResourceMgrCalls

Notification Manager

M.TB.NotificationManager

NuBus Block Transfer Mode sResource Entries

M.HW.sResources

NuBus Interrupt Latency (I Was a Teenage DMA Junkie)

M.HW.NuBusLatency

NuBus Physical Designs—Beware

M.HW.NuBusDesign

NuBus Power Allocation

M.HW.NuBusPower

Nulls in FilenamesM.FL.NullInFilename

Of Time and Space and _CopyBits

M.IM.TimeSpaceCopyBits

Old Style Colors

M.IM.OldColors

OmegaSANE

M.OS.OmegaSANE

Opening AppleTalk

M.NW.OpenAppleTalk

Opening the Serial Driver

M.DV.SerialDriver

OpenRFPPerm: What your mother never told you.

M.TB.OpenRFPPerm

Optimizing For The LaserWriter—Techniques

M.IM.LaserWriterOpt

Our Checksum Bounced

M.DV.ChecksumBounce

Palette Manager Changes in System 6.0.2

M.IM.PaletteManagerChanges

Parameters for MDEF Message #3

M.TB.MDEFMessage3

Pascal Routines Passed by Pointer

M.PT.PascalByPointer

Pascal to C: PROCEDURE Parameters

M.PT.PascalToCProcParams

_PBClose the Barn Door

M.DV.PBClose

PBShare, PBUnshare, and PBGetUGEntry

M.FL.PBSharePBUnshare

Pending Update Perils

M.TB.PendingUpdates

Performance Tuning with Development Tools

M.PT.PerfTuning

Pertinent Information About the Macintosh SE/30

M.HW.SE30

Pictures and Clip RegionsM.IM.PictClipRegions

Pictures and the Printing Manager

M.IM.PictAndPrinting

Pinouts

M.HW.Pinouts

Plotting Small Icons

M.IM.SmallIcons

Polite Use of Borrowed AFP Sessions

M.NW.BorrowedAFP

Position-Independent PostScript

M.IM.PosIndPS

PowerBook Miscellanea (Cold Serial in the Morning)

M.HW.PowerBookSerial

PrGeneral

M.IM.PRGeneral

PrGeneral Bug

M.IM.PrGeneralBug

Principia Off-Screen Graphics Environments

M.IM.PrincipiaOffScreen

Problem with GetVInfo

M.FL.GetVInfo

Problem with WaitNextEvent in MultiFinder 1.0

M.TB.MultiFinder1Bug

QuickDraw's Internal Picture Definition

M.IM.PictureOpCodes

Register A5 Within GrowZone Functions

M.ME.GrowZoneA5

Reserved Resource Types

M.TB.RervedResTypes

Resolving Alias Files Quietly

M.FL.AliasFiles

Resource Manager Tips

M.TB.ResourceTips

Resources Contained in the Desktop File

M.TB.DeskTopFile

Routes From the Source

M.NW.SourceRouting

Script Manager 2.0 Date & Time Problems

M.TE.ScriptDateTime

Script Manager Variables

M.TE.ScriptVars

Script Manager's Pixel2Char Routine

M.TE.Pixel2Char

SCSI Bugs

M.DV.SCSI

SCSI Termination

M.DV.SCSITermination

Searching Volumes—Solutions and Problems

M.FL.SearchingVols

Segment Loader Limitations

M.OS.SegmentLoader

Sense Lines

M.HW.SenseLines

Separate Resource Files

M.TB.SeparateResFiles

Serial PollProc

M.DV.PollProc

SetLineWidth Revealed

M.IM.SetLineWidth

Setting and Restoring A5

M.OV.A5

Setting ioFDirIndex in PBGetCatInfo Calls

M.FL.IOFDirIndexSetting

Setting ioNamePtr in File Manager Calls

M.FL.ioNamePtr

Shortcut for Owned Resources

m.tb.OwnedResources

'SICN' Tired of Large Icons in Menus?

M.TB.SICNinMenu

Signals

M.PT.Signals

Slot Interrupt Prio-Technics

M.HW.SlotInterruptPrior

Smear Tactics

M.HW.ByteSmearing

So Many Bitmaps, So Little Time

M.IM.BitMatToRegion

Space Aliens Ate My Mouse (ADB—The Untold Story)

M.HW.ADB

Speedy the Math Coprocessor

M.HW.SpeedyMathCoProc

Stand-Alone Code, ad nauseam

M.PT.StandAloneCode

Standard File Tips

M.FL.SFTips

Strip With _OpenResFile and _OpenRFParm

M.TB.StripOpenResFile

_StripAddress: The Untold Story

M.ME.StripAddress

Styled TextEdit Changes in System 6.0

M.TE.TextEditChanges

Sub(Launching) from a High-Level Language

M.PS.SubLaunching

Suppliers for Macintosh II Board Developers

M.HW.Boardkits

System Error 33, “zcbFree has gone negative”

M.ME.SysError33

Tags

M.FL.Tags

TEScroll Bug

M.TE.TEScrollBug

TextEdit: Advice & Descent

M.TE.TextEditAdvice

TextEdit Bugs in System 4.2

M.TE.TextEditBugs

TextEdit Conversion Utility

M.TE.TextEditConvert

TextEdit EOL AmbiguityM.TE.EOLAmbiguity

TextEdit Record Size Limitations Revisited

M.TE.RecordSizeLimit

TextEdit Technicalities

M.TE.TextEditTech

The Appearance of Text

M.TE.Appearance

The Compleat Guide to TeachText

M.PT.TeachText

The Desktop file's Outer Limits

M.OV.DesktopFile

The Effect of Spool-a-page/Print-a-page on Shared Printers

M.IM.Spooler

The Effect of Spool-a-page/Print-a-page on Shared Printers

M.NW.Spooler

The Joy Of Being 32-Bit Clean

M.OV.32BitClean

The Lo Down on Dictionary Downloading

M.IM.DictionaryLoading

The Real Story: VCBs and Drive Numbers

M.FL.VCBandDriveNum

The ROM Debugger

M.PT.ROMDebugger

The Serial General-Purpose Input (GPi)

M.DV.SerialGPi

Things You Wanted to Know About _PackBits* *But Were Afraid to Ask

M.IM.PackBits

Toolbox Karma

M.TB.Karma

Use Care When Swapping MMU Mode

M.ME.SwapMMUMode

User Items in Dialogs

M.TB.DialogUserItems

Using a PurgeProc

M.ME.PurgeProc

Using Laser Prep RoutinesM.IM.LaserPrep

Using Low-Level Printing Calls With AppleTalk ImageWriters

M.IM.ImageWriter

Using MaxApplZone and MoveHHi from Assembly Language

M.ME.MaxApplZone&MoveHHiASM

Using Modeless Dialogs from Desk Accessories

M.PS.DialogsInDAs

Using MPW for Non-Macintosh 68000 Systems

M.PT.NonMacMPW

Using RegisterName

M.NW.RegisterName

Using the High-Level AppleTalk Routines

M.NW.HLAppleTalk

Version Territory

M.OV.Vers

What Is a 'pslt' resource?

M.HW.psltResource

What Your Sony Drives For You

M.DV.SonyDriver

What's New With AppleTalk Phase 2

M.NW.AppleTalk2

Where Have My Font Icons Gone?

M.IM.FontIcons

Who Put That Resource in My CDEV?

M.OV.ExtraCDEVRes

Why PBHSetVol is Dangerous

M.FL.PBHSetVol

Will Your AppleTalk Application Support Internets?

M.NW.Internets

WMgrPortability

M.TB.WMgrPort

Working Directories and MultiFinder

M.TN.WDMultifinder

ZoomWindow

M.TB.ZoomWindow