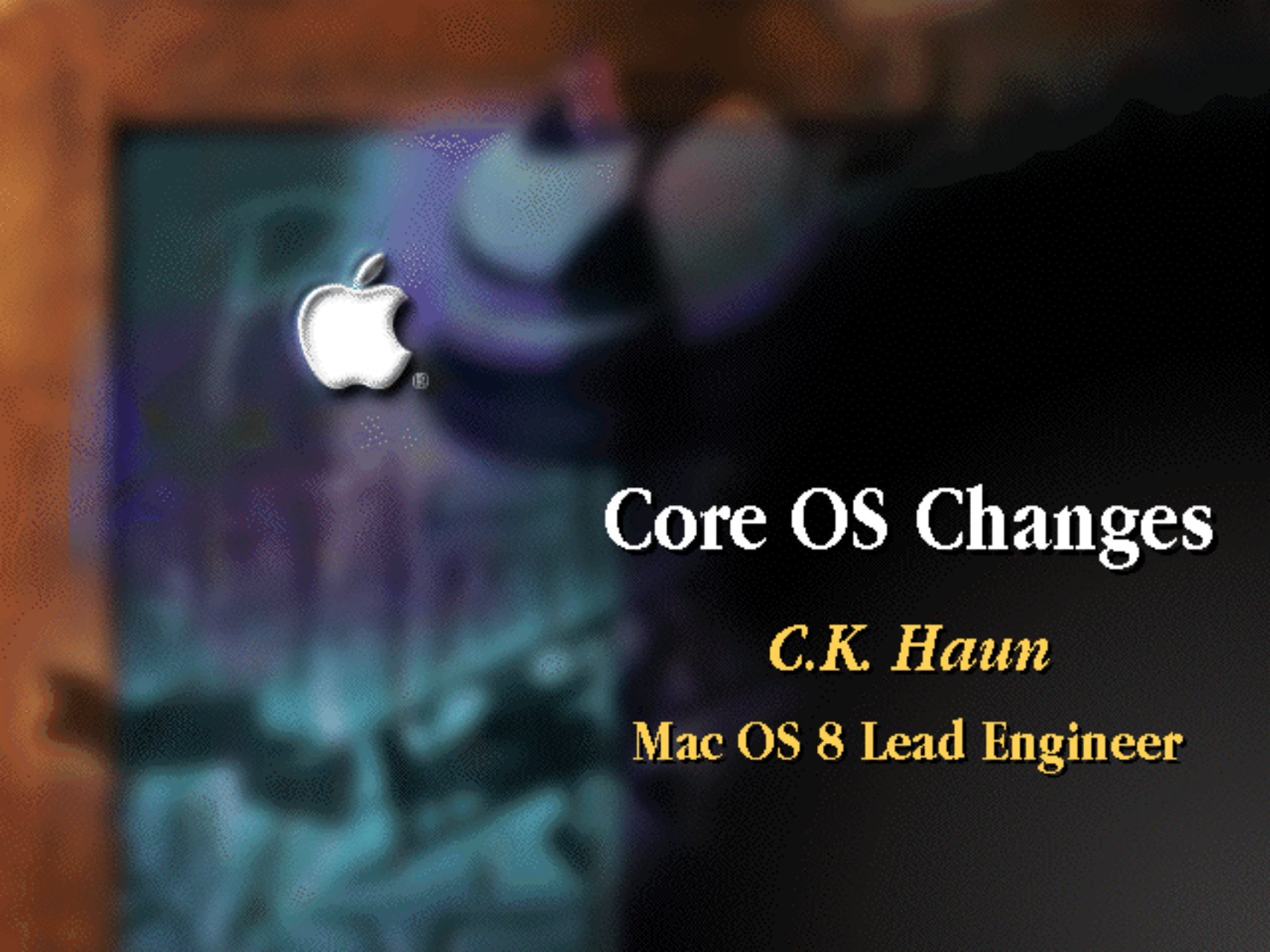
Worldwide
Developers
Conference


Core OS Changes
C.K. Haun
Mac OS 8 Lead Engineer

Nothing Too Shocking

- Stability
- Support for Finder/Appearance
- Technology roll-ins

It's Version 8

- Check your version checks!
- 8.0 doesn't mean 7 incompatible
- Look at major and minor version
- Gestalt

Open Transport 1.2

- Many critical bugs fixed
- New Chooser
  - Now works on locked media
- OT/PPP revised and much more solid

Collection Manager

- In-memory resource manager
- Previously part of QuickDraw GX
- Always available

Folder Manager

- Part of system
- Multi-level
- Developer expandable
- New FindFolder selectors
  - Shared libraries, Scripting additions
  - New and legacy

Help

- The Menu moved…
- Reduced Balloon Help flicker
- Apple Guide 2.2

AppleScript

- All outstanding crashers fixed
- ObjectSupportLib
- Script Editor
- AppleScript

New ‘rapp’ AppleEvent

- Sense of place
- Double-click or open menu item
- Do something!
- Much better user experience

Process Manager

- Removed High Level Event size limit
- Removed inefficiencies
- Better low-memory protection
- TempMem routines improved

CFM 68K

- Always available
- In System file
- Enabler locks out earlier versions
- Finder uses it

Hard Drive Layout

- New folders
- Some not searched
- Some ARE searched!

WorldScript Power Adaptor

- Now part of the system file
- Fewer patches
- May fix some mystery bugs!

Object Support Library

- In System file
- FAT
- Won't be overwritten
- Don't install yours!

OpenDoc Memory Manager

- Pooled memory management
- Finder uses it
- So can you!

GX

- Graphics-only abilities
- No changes from Harmony
- Compatibility printing

Control Panels

- Scriptable APPC (and APPD)
- Can be Appearance saavy

Extensions Manager

- Better set control
- Expanded view options for tech support
- Respects and displays CCI™ resource info

Color Picker

- Many new color pickers
- Support for EAT pickers
- Eye dropper support
- ColorSync 2.*x* aware

Other Revisions

- QuickDraw 3D 1.5.1
- QuickTime VR 2.0
- QuickTime 2.5
  - And instruments
- Mac OS Runtime for Java 1.0.2
- AppleShare Workstation 3.7

Bugs, Bugs, Bugs

- Fixed lots of 'em!
- Too many to list
- Release notes
- Keep reporting them!

File System Futures

Mark Gealy

File System Engineering

DVD/UDF and HFS Plus

- Coming to Mac OS in software and hardware
  - Post Mac OS 8 release
  - Mac OS 8 compatible
- Independent technologies
  - Independent schedules

DVD and Universal Disk Format

- Next generation optical storage
  - Huge developer potential on Mac OS
  - Designed for massive data, video, & sound
- UDF is volume format of DVD
- Optional format for CD-R, CD-RW
- For more DVD information:
  - Attend: AV Technologies (Session 504)

HFS Plus

- Preparing Mac OS for the future
- Extends the power of HFS
  - More efficient use of disk
  - 255 Unicode character names
  - Files as large as 2^{63} bytes

HFS Plus Delivery

- Depends on stability
- Mac OS: After Mac OS 8
  - Current APIs remain unchanged
    - New APIs for new functionality to follow
  - PowerMac bootable, 68K compatible
- Rhapsody: Premier Release

HFS Plus Seeding

- Currently finalizing specification
  - First draft under review
- Software
  - Broad developer seeding this summer
  - Watch DevWorld for announcements!
  - NDA required
- Cupertino ADR compatibility lab

Where To Go…

- DevWorld to learn about seeding!
- For general information contact:

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