



1990 Worldwide Developers Conference



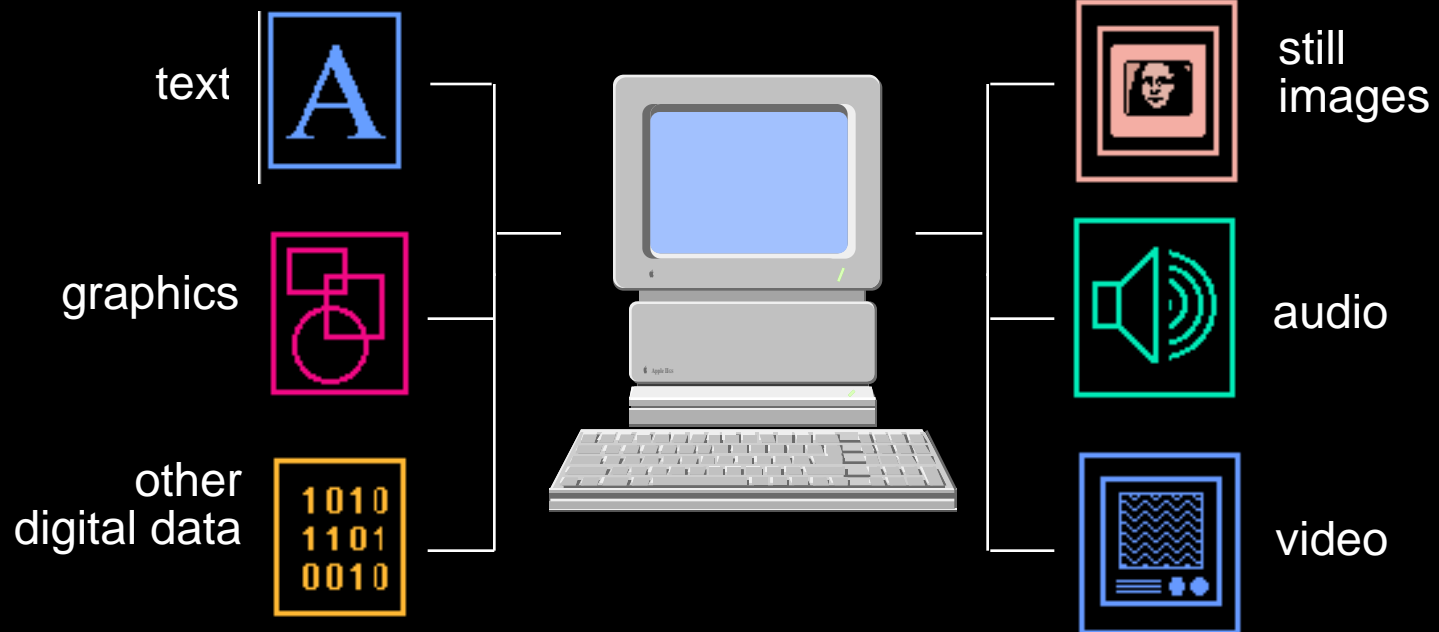
Doug Camplejohn

Product Manager
Video Integration Products

Adding New Data Types

Existing information types

New information types



The Apple II Video Overlay Card

- High-quality composite video input
- Simultaneous RGB and composite output
- Apple IIe and IIGS compatibility
- VideoMix software

Software Platforms: Media Control VidClip

VidClip (APDA# T0360LL/A)

- Videotape control from the IIGS
- Sony 8mm, VHS, Beta, monitors
- APW source code, linkable object code
- Desk accessory

Software Platforms: Authoring HyperStudio, Tutor-Tech

HyperStudio (APDA# T0291LL/A)

- Integrates text, graphics, animation, sound, video on the IIGS
- Sound editing software

Software Platforms: Authoring HyperStudio, Tutor-Tech

Tutor-Tech (APDA # T0292LL/B)

- Ite and IIGS compatibility
- Robust driver support

Putting it all Together

- ErgoMotion: Houghton-Mifflin Company



Dan Hitchens

Apple II System Software
Software Engineer



Apple IIGS Media Integration

Apple II Video Overlay
Card (Additional Features)

Additional Features of the Apple II Video Overlay Card

- Apple IIe “Super Hi-Res” capability
- 400 scan line resolution
- Independent graphics modes

“Super Hi-Res” on an Apple IIe



- 640 x 200 and 320 x 200
- Text, background, and border colors
- Graphics display buffer in Aux. or Main memory (\$2000-9fff)

400 Scan Line Resolution

- Interlaced display
 - Even scan lines in \$E1 (Aux.) bank
 - Odd scan lines in \$E0 (Main) bank
 - Each bank has pixel data, scan line control bytes, and color palettes
 - Not yet supported by operating system

Independent Graphics Modes (Overlay vs. Main Logic Board)

- Allows overlay board to be in different graphic mode than main logic board
 - Turning on and off GG-Bus allows setting different mode

Additional Information

- Apple II Video Overlay Card Development Kit
 - Available through APDA
(APDA #A0221LL/B)



The power to be your best