

Teaching Styles & Today's Learners

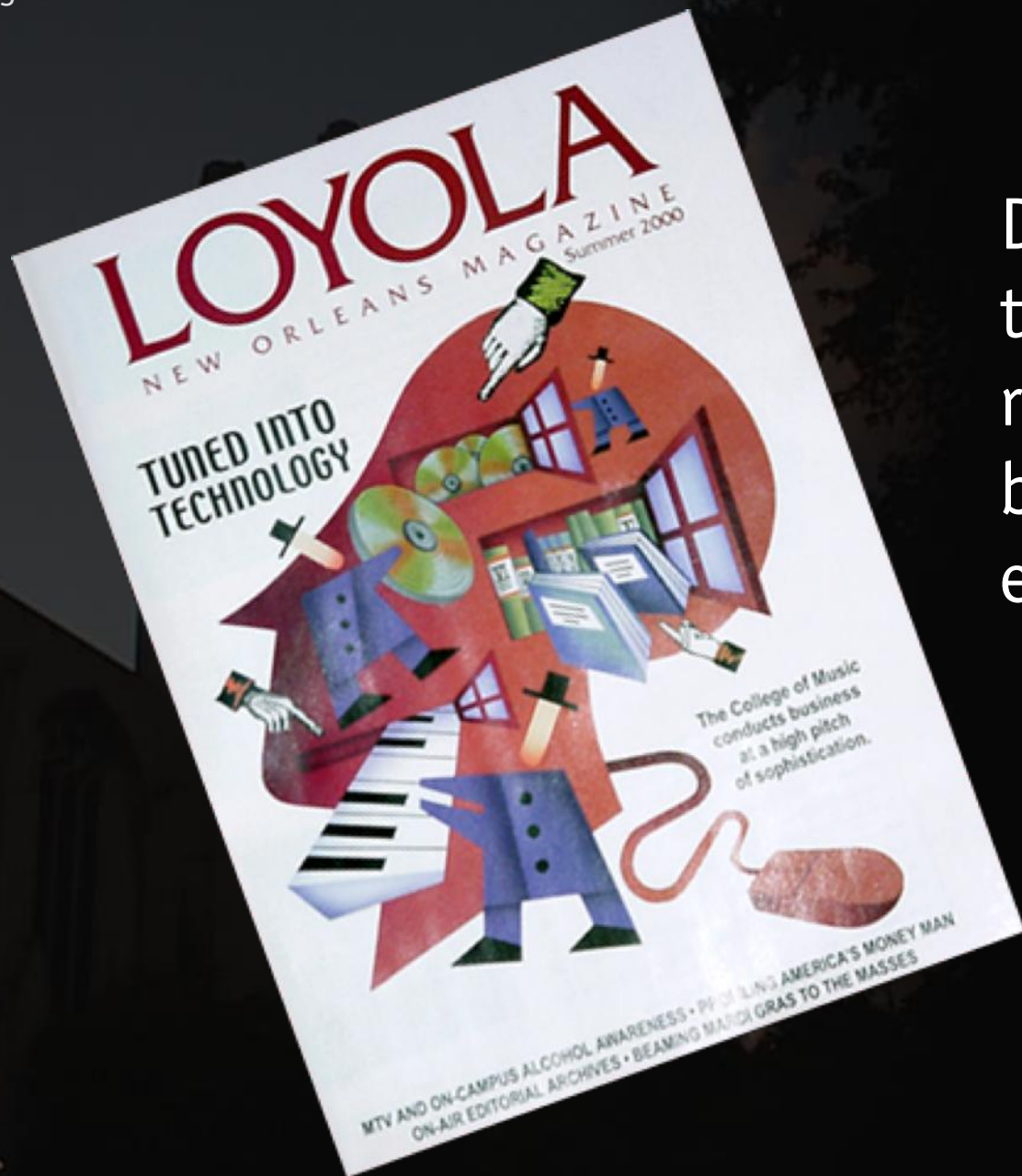
Enhancing Traditional Pedagogies with Technology



Little Wins & Quantum Leaps

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Grand Vision

David Swanzy wanted to develop electronic resources that could be useful in music education.

A Grand Vision project...

- ... will take several years to complete.
- ... contains several smaller topical areas or specialized parts.
- ... often involves a new technology someone discovered yesterday (a “high tech” project).
- ... could qualify for external funding (sometimes referred to as a “\$50,000 project”).

In 1997...



... David Swanzy had

Tools

- ✓ MacOS + Hardware

Commitment

- ✓ 30+ years of research in related field
- ✓ 1997, retired as Dean of the College of Music

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“Simple” Beginnings

“During 1997 and 1998... Swanzy embraced Macromedia’s Authorware software. This, along with the companion software for sound and image editing, provided Swanzy with ‘the best contemporary tools for instructional design I could find. I spent the next six months studying to become proficient in using this software, at that time on the (Apple) Macintosh platform.’”

“Simple” Reality

Tools

- ✓ MacOS + Hardware
- ✓ Authorware
- ✓ [Photoshop?]
- ✓ [SoundEdit?]

Commitment

- ✓ 30+ years of research in related field
- ✓ 1997, retired as Dean of the College of Music
- ✓ Two years, exploring
- ✓ Six months, learning

But Wait, There's More...

“In order to enable development on both Windows and Mac platforms, Swanzy invested in an upgraded PC version of Authorware Attain and then purchased a PC and necessary related hardware which gave him the ability to produce dual-platform packages. He also invested in Macromedia's Dreamweaver and began to learn how to produce HTML pages for web sites.”

...And More

Tools

- ✓ MacOS + Hardware
- ✓ Authorware
- ✓ [Photoshop?]
- ✓ [SoundEdit?]
- ✓ **Authorware Attain**
- ✓ **Dreamweaver + HTML**
- ✓ **Windows + Hardware**

Commitment

- ✓ 30+ years of research in related field
- ✓ 1997, retired as Dean of the College of Music
- ✓ Two years, exploring
- ✓ Six months, training

Common Result

“Over the next year, Swanzy developed several products with Authorware including... one promotional piece... and an initial version (now abandoned) of an electronic textbook.”

Common Scorecard

Tools

- ✓ MacOS + Hardware
- ✓ Authorware
- ✓ [Photoshop?]
- ✓ [SoundEdit?]
- ✓ Authorware Attain
- ✓ Dreamweaver + HTML
- ✓ Windows + Hardware
- ✓ **CD-ROM Tools**

Commitment

- ✓ 30+ years of research in related field
- ✓ 1997, retired as Dean of the College of Music
- ✓ 1997-98, exploration
- ✓ Six months, training

Common Scorecard

Tools

- ✓ MacOS + Hardware
- ✓ Authorware
- ✓ [Photodisc]
- ✓ [S...]

Some Demos and an Abandoned Project

retired as
Dean of the College
of Music

- ✓ 1997-98, exploration
- ✓ Six months, training

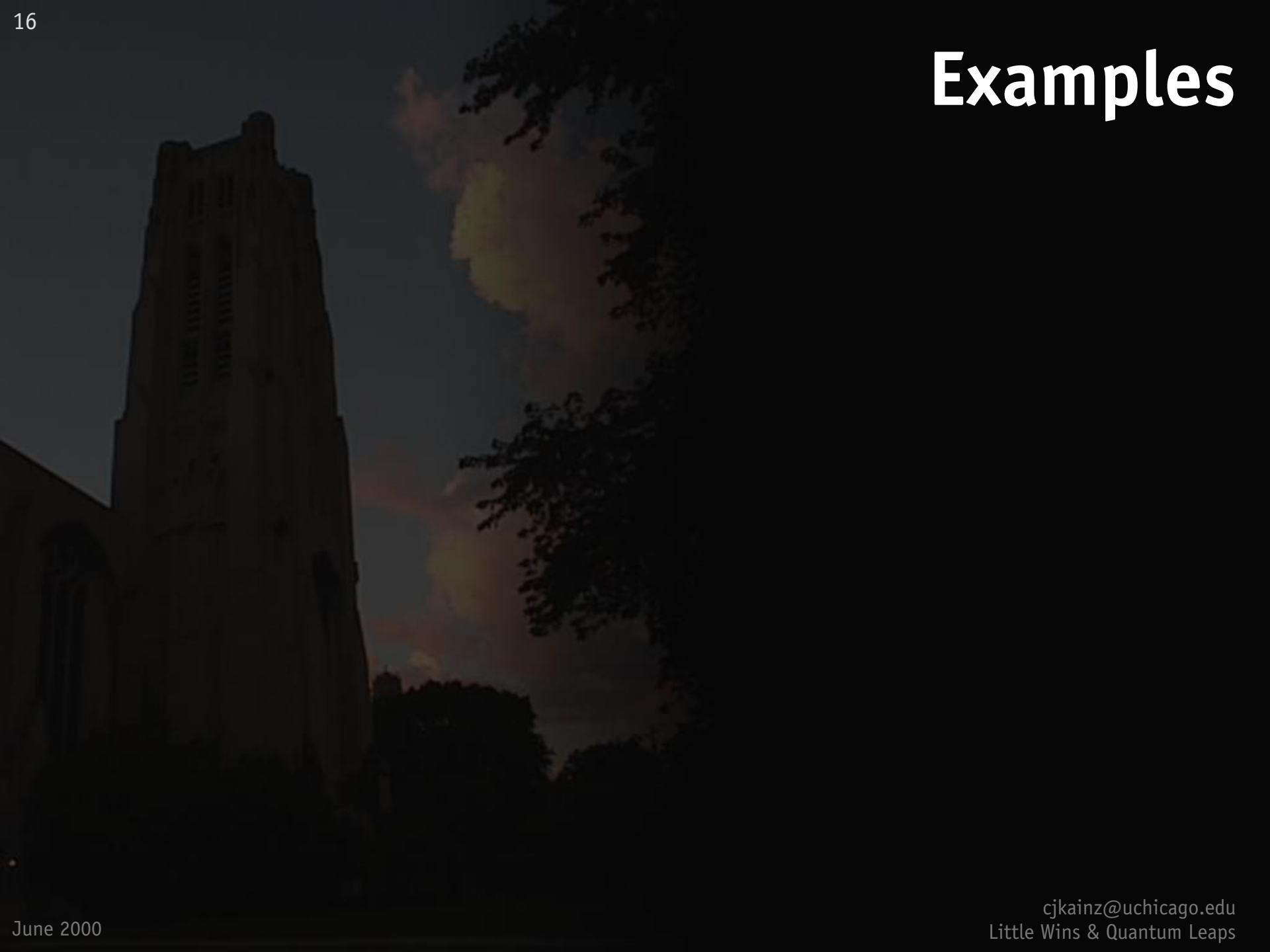
Little Wins

“During the 1999 spring semester, he wrote and used two major sections of his evolving electronic textbook to teach two sections of the music appreciation class... During that same semester and continuing the following summer, he completed the first edition of the electronic textbook [CD-ROM + Web].”

A Little Win is something that...

- ... can be finished in less than a year.
- ... provides a solution to an immediate problem.
- ... is not defined by complexity.
- ... involves appropriate technology.
- ... you will continue to use.
- ... does not require a huge amount of funding to complete.

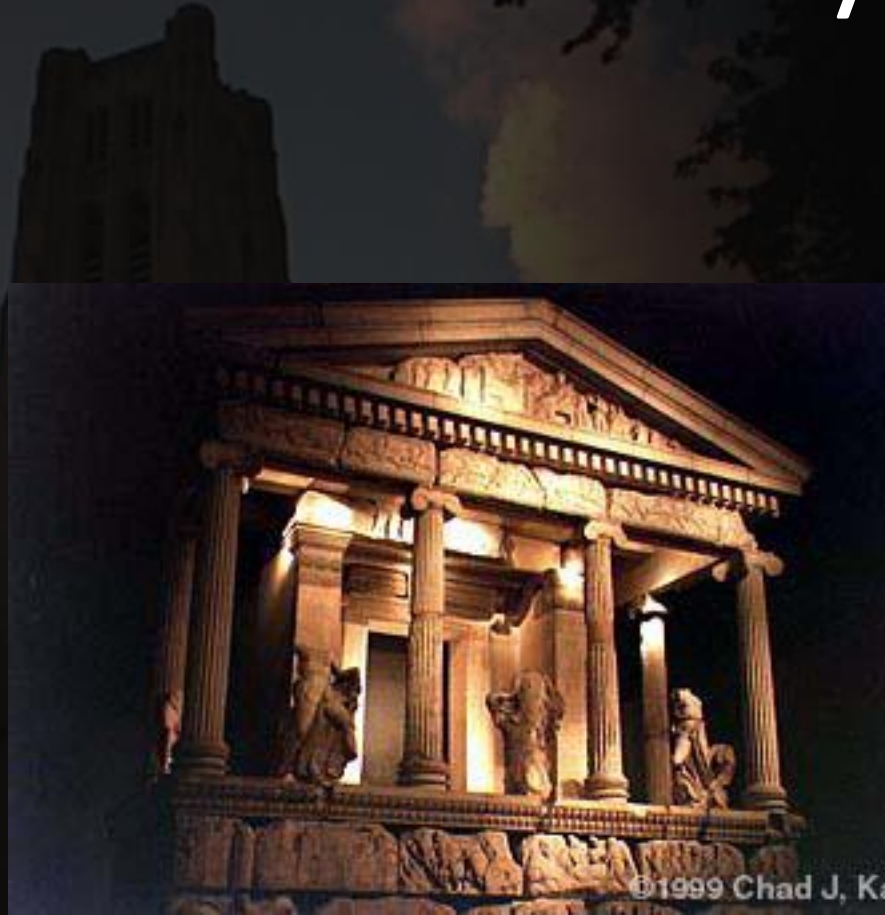
Examples



Communicate with Students

- Use multiple mailing lists
 - Mailing list for all students in a class
 - Individual mailing lists for student project teams
- Try “electronic” office hours
 - Direct email
 - General mailing list that can act as a place for frequently asked questions

Scan/Capture Images



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Try Something Different

- Put cameras in the hands of students
 - Polaroid box cameras
 - Digital cameras
 - Video cameras
- Use technology as a prop

Use the Computer as a VCR





Make Use of Existing Facilities

- Learn what students can and cannot do in a computing cluster and take advantage of what is installed and available
- Try using a computing cluster as a place for collaborative group projects

In time, a series of little wins can lay the groundwork for a significant change in how technology is used on campus.

...a quantum leap.

Little Wins → Quantum Leaps

Chat tools, web pages, email can lead to...
...learning management systems (Blackboard, WebCT, etc.)

Digitizing images, video, and audio can lead to...
...multimedia laboratories, digital library collections, better technologies.

Different uses of existing resources can lead to...
...new ideas and unexpected opportunities.