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# Information Arcade Collaborations and Innovative Learning Environments

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# Information Arcade Collaborations and Interactive Learning Environments

Paul A. Soderdahl
The University of Iowa Libraries

Powerful Learning/Powerful Partnerships
Iowa City, Iowa
November 12, 1999

## Innovations and Collaborations

- Introduction: Brief History
- Innovations/Collaborations/Scaling Up
  - Electronic Classroom
  - Digital Video/Audio
  - Web as Publishing Medium
  - Faculty Partnerships
  - Digital Library
- Questions for Discussion

1992 1993 1994 1995 1996 1997 1998 1999

## Information Arcade®

- Brief history
  - Opened in 1992
  - Initially funded by Carver Charitable Trust
  - "To facilitate the integration of new technologies into teaching, learning, and research"
  - Unique staffing model: graduate assistants as primary public services staff

1992 1993 1994 1995 1996 1997 1998 1999

## Electronic Classroom

- Innovation
  - A fully wired, interactive classroom open to undergraduate courses in all disciplines for classes redesigned to integrate technology
  - First on campus

1992 1993 1994 1995 1996 1997 1998 1999

## Electronic Classroom

- Collaboration
  - David Stern, Philosophy
  - Interactive courseware designed to teach logic (Tarski's World)
  - Changing how students interact with the professor and with each other in a dynamic learning environment

1992 1993 1994 1995 1996 1997 1998 1999

## Electronic Classroom

- Scaling Up
  - > Information Commons classrooms (2), Hardin Library for the Health Sciences
  - > ARTIC (Advanced Real-Time Information Center), Business Library
  - > Discipline-specific classrooms around campus

1992 1993 1994 1995 1996 1997 1998 1999

## Digital Video/Audio

- Innovation
  - Allow any student or faculty member to digitize video and create a movie on a drop-in basis
  - Brand new technology: QuickTime 1.0

1992 1993 1994 1995 1996 1997 1998 1999

## Digital Video/Audio

- Collaboration
  - Brooks Landon, English
  - Literature and Culture of the Twentieth Century
  - > Examining new inventions and innovations around the turn of the (last) century
  - > Early movies, sound recordings, and panoramic scans

1992 1993 1994 1995 1996 1997 1998 1999

## Digital Video/Audio

- Scaling Up
  - > Broadcast quality video editing suite
    - > High-end video capture (Media 100)
    - > Broadcast quality output (DV/SVHS)
  - > Streaming Video on the Web (Real Video)
    - Server available to all of campus

1992 1993 1994 1995 1996 1997 1998 1999

## Web as Publishing Medium

- Innovation
  - > Web space open to all faculty and graduate students for authors to harness and exploit the web as a new communications medium
    - Not personal home pages
    - Not course web sites, assignments, reserves
    - Not traditional electronic serials publishing
    - > Rather, new models of expression that require capabilities of the web for effective communication

1992 1993 1994 **1995** 1996 1997 1998 1999

## Web as Publishing Medium

- Collaboration
  - > Karla Tonella, Communication Studies
    - Border Crossings
      - To "encourage the browsing reader to consider the areas of their postmodern world where traditional boundaries are being renegotiated and blurred"
  - > Mary Curtis, Women's Intercollegiate Athletics
    - > Gender Equity in Sports
      - Monitoring current state of affairs of gender equity in intercollegiate sport and Title IX compliance

1992 1993 1994 **1995** 1996 1997 1998 1999

## Web as Publishing Medium

- Scaling Up
  - > Bailiwick Project
  - > Open to all faculty and graduate students
  - > Author's bailiwick
    - Authors have complete editorial freedom
  - > Web space and support
    - Technical support, consultation on design, support for information and research
  - > Institutional support and credibility
    - Not buried deep in some faculty member's home page

1992 1993 1994 1995 1996 1997 **1998** 1999

## Faculty Partnerships

- Innovation
  - A team of academic faculty, librarians, and information technologists working to redesign a course or curriculum to take advantage of current technologies

1992 1993 1994 **1995** 1996 1997 1998 1999

## Faculty Partnerships

- Collaboration
  - > Bruce Gronbeck, Communication Studies
  - > Introduction to Research for Graduate Students
  - > Redesign as a modular course in collaboration with reference librarians and Information Arcade staff, heavily based on electronic research

1992 1993 1994 **1995** 1996 1997 1998 1999

## Faculty Partnerships

- Scaling Up
  - TWIST Project (Teaching With Innovative Style and Technology)
  - Initially funded by Carver Charitable Trust
  - TWISTed Pairs: librarians and faculty working in partnership to redesign courses

1992 1993 1994 1995 **1996** 1997 1998 1999

## Digital Library

- Innovation
  - > Digitizing selected library collections modeled after large-scale digital library initiatives at Michigan, Virginia, et al.

1992 1993 1994 1995 **1996** 1997 1998 1999

## Digital Library

- Collaboration
  - > Richard Kolbet, Special Collections Librarian
    - > Tiny Tomes: The Charlotte M. Smith Collection of Miniature Books
  - Timothy Shipe, Bibliographer
    - > Periodicals from the International Dada Archive

1992 1993 1994 1995 **1996** **1997** 1998 1999

## Digital Library

- Scaling Up
  - > Scholarly Digital Resources Center
    - > Arts & Humanities Digital Resources Center
    - > Center for Electronic Resources in African Studies
    - > Virtual Exhibits
  - Traveling Culture: Circuit Chautauqua in the Twentieth Century
    - Library of Congress American Memory Project

1992 1993 1994 1995 1996 1997 **1998** 1999

# Questions for Discussion

1992 1993 1994 1995 1996 1997 1998 1999