Fulfilling the Potential: Digital Libraries and The Future

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Who Am I?

• AskERIC
• Virtual Reference Desk
• Gateway to Educational Materials
• ERIC IT
• NSDL
• Credibility Commons
• eScience
The Promise

• Interoperability
• Sustainability
• Scalability
• Heterogeneity
The Promise

• The Promise of Digital Libraries in Developing Countries  (2001: Witten, Loots, Trujillo, Bainbridge)

• Dissemination of Humanitarian Information

• Disaster Relief

• Creating Location Information Collections

• Enter the Global Marketplace
The Promise

Book Ends:
Information
Superhighway 1992
Digital Public
Library of America
It Did Get Better

- Interoperability Tools
- Advance in Information Organization and Metadata
  - RDA, FRBR, Dublin Core
- New Partners
- Computer Science, NSF
- Re-Energized Library Organizations
The Promise is Flawed

• Stuff Centered

  • “If we get a lot of stuff together and put it on the network, life will be better.”
Another Promise

• The Success of Something is the lost of a modifier

• Digital/Virtual Reference Becomes Reference

• New media becomes media

• World wide web becomes the web

• Now digital libraries must become libraries, and libraries must break the stuff addiction too
Fulfilling the Potential: Libraries and The Future
Isn't That Cheating?

• Digital libraries and libraries are different right?
The mission of librarians is to improve society through facilitating knowledge creation in their communities
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Importance of a Worldview

Knowledge is Created through Conversation

Librarians Facilitating Communities Improve Society
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities.
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Importance of a Worldview

Knowledge is Created through Conversation

Means of Facilitation

Pressure for Participation

librarians improve society
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities

- Importance of a Worldview
- Knowledge is Created through Conversation
- Means of Facilitation
- Pressure for Participation
- Importance of Action and Activism
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities

- Importance of a Worldview
- Means of Facilitation
- Knowledge is Created through Conversation
- Pressure for Participation
- Core Skills
- Importance of Action and Activism
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities.
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Knowledge is created through conversation.

Conversation Theory
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Conversation Theory

Conversants
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities

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Conversation Theory

Language

Conversants
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Language

Conversation Theory

- Conversants
- Agreements
- Memory
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Conversation Theory:
- Conversants
- Agreements
- Memory

Evolution of Systems:
- Language
  - $L_0$
  - $L_1$
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Evolution of Systems

Language

Conversation Theory

Conversants

Agreements

Memory

System View
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities.

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Evolution of Systems

Language

Conversation Theory

System View

User-based Design

Memory

Agreements

Conversants
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Conversation Theory

Language

Evolution of Systems

System View

User-based Design

User Systems

Conversants

Agreements

Memory
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Evolution of Systems
- User-based Design
- User Systems
- Social Network Sites

Conversation Theory
- Conversants
- Agreements
- Memory

Language
- L₀
- L₁

System View
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities.

Knowledge is created through conversation.

Conversation Theory:
- Language
- Agreements
- Conversants

System View:
- User-based Design
- User Systems
- System View

Evolution of Systems:
- L₁
- L₀

Social Network Sites
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities. Knowledge is created through conversation. Conversation Theory involves the mesh of Language, Agreements, Conversants, and Memory. The Evolution of Systems includes User Systems, User-based Design, and Social Network Sites. System View is represented as $L_0$ and $L_1$. The diagram illustrates the interconnectivity and evolution of systems in conversation theory.
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities

Knowledge is created through conversation

Conversation Theory

Conversants

Language

Agreements

Memory

Entailment

Scapes

System View

User-based Design

User Systems

Social Network Sites

Evolution of Systems

L₀

L₁
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities.

Knowledge is created through conversation. Conversation Theory includes:

- **Conversants**
- **Agreements**
- **Memory**
- **Entailment**

Scapes

User-based Design

User Systems

Social Network Sites

System View

L0

L1

Ask Us 24/7

Chat With A Librarian

Have a question? Get live answers 24 hours a day, 7 days a week.

Welcome to Ask Us 24/7 - a service of Western New York, Rochester and Syracuse area Libraries. We can provide answers to your reference questions and provide information on your local library.

To get started, fill out the form on the right. A librarian will be with you shortly. You will not necessarily be chatting with a librarian from your local library or even your community. This is a global, cooperative service staffed by reference librarians from Western New York, as well as other states and countries.

If possible, please have your library card handy, as this will be useful in accessing articles and other resources through the library's website.

For more information about Ask Us 24/7 visit [http://www.askus247.org](http://www.askus247.org).

Last updated May 2008
The Mission of Librarians is to Improve Society through Facilitating Knowledge Creation in their Communities.

Knowledge is created through conversation.

Conversations Theory

Conversants

Agreements

Memory

Entailment

Scapes

Social Network Sites

User Systems

User-based Design

System View

L0

L1

System View

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Knowledge is created through Conversation Theory.

Conversants
Agreements
Memory
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System View
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L0
L1
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Conversation Theory

Scapes

Entailment mesh

Memory

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L1

L0
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Evolution of Systems

Conversation Theory

- Conversants
- Language
- Agreements

System View

- L₁
- L₀

User-based Design

User Systems

Social Network Sites

Scapes

Reference Extract

Entailment mesh

Memory
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Evolution of Systems

Memory

Conversants

Language

Agreements

Scapes

Entailment mesh

Reference Extract

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User Systems

User-based Design

System View

Conversation Theory

Evolution of Systems

L₀

L₁
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User
User
Member
User
Member
Re-Imagine the Library

Library as Collection of Collections

Databases

Repository

D.Library

Catalog
Re-Imagine the Library

Library as Collection of Member Libraries

Conversations

Personal

Web Resources

Library Assets
A Digital Library

A Digital Library is a Managed Collection of SERVICES - One of Which is Access - used to meet the knowledge needs of a community
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Communities

• Provides Conversation Opportunities that Match the Norms of the Community
Communities

- Provides Conversation Opportunities that Match the Norms of the Community
Communities

• Provides Conversation Opportunities that Match the Norms of the Community
Characteristics

• Goes Where the Conversation Is
Characteristics

• Goes Where the Conversation Is
Characteristics

- Goes Where the Conversation Is
Pressure for Participation

• You are not a user, you are not a customer, or consumer - you are a participant in control of your world and able to shape your own learning and environment...
Adaptation and Innovation
Geofencing Expertise
Revolution
Revolution
Pressure for Participation

• You are not a user, you are not a customer, or consumer - you are a participant in control of your world and able to shape your own learning and environment...

• So are those we seek to serve.
The Grand Challenge

- Coordinating the Knowledge Infrastructure to Unlock the Potential and Passions of Society