



Convergence of Knowledge and Culture

Calgary's Design for the Future

H. Thomas Hickerson
University of Calgary

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Taylor Family Digital Library



Libraries and Cultural Resources



Taylor Family Digital Library
Four Campus Branches
Archives & Special Collections
The Nickle Arts Museum
University of Calgary Press
High Density Library
Doha, Qatar
Health Information Network
The Military Museums
Downtown Campus Library



UNIVERSITY OF
CALGARY

The University of Calgary Mandate

Education, Research and Service




Convergence: The Vision

Providing outstanding support for Scholarship, Learning and the Creation of Knowledge, Libraries and Cultural Resources is a key component in the University's Excellence in Research, Teaching and Community Service.


We are not limited by traditional roles. Our responsibility is to Exercise Leadership in realizing the University of Calgary Mandate drawing on our Expertise, Imagination and Resources.

We will fulfill this vision through a convergence of our Libraries, Museum, Archives, Special Collections and University Press and through Campus, Community, National and International Partnerships.


We Should Imagine Greatness



Design for the Future: Convergence







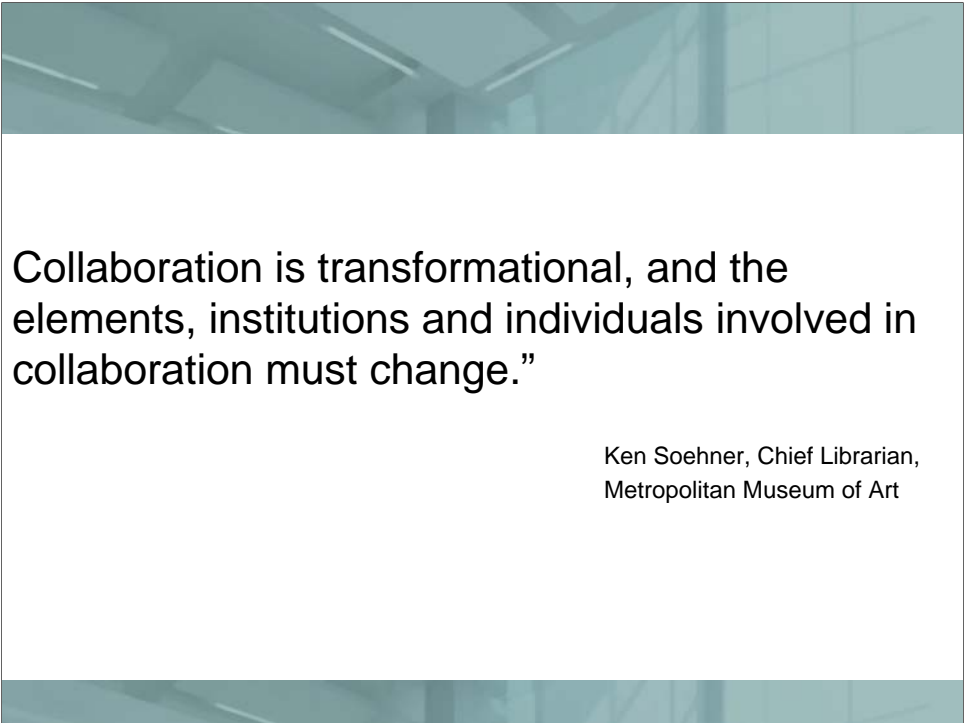
“True collaboration...devises a new vision
for a new way of doing things.

Ken Soehner, Chief Librarian,
Metropolitan Museum of Art



It inevitably and fundamentally involves change.

Ken Soehner, Chief Librarian,
Metropolitan Museum of Art



Collaboration is transformational, and the elements, institutions and individuals involved in collaboration must change.”

Ken Soehner, Chief Librarian,
Metropolitan Museum of Art



We Have to Change

Taylor Family Digital Library Is Designed as an Ideal Reflection Of the Converged Environment



Taylor is designed to be an ideal manifestation of this vision, is both a symbol and enabler of our new vision

ideal reflection of the converged environment

Our ideal at the University of Calgary

It's About Us!

It's about our expertise & imagination

Our abilities will be realized





How do we realize this change?

<h1>Planning for Convergence</h1> <h2>Implementation Planning Committees</h2>					
Collections	Learning	Media/Technology	Outreach	Research	Staffing
<h3>Organizational Review and Strategic Re-Alignment</h3>					

Staff organized thematically planning within a converged environment
Each group has representatives from each organizational unit

The Convergence of Knowledge and Culture Speakers Series



Ingrid Parent

Assistant Deputy Minister
For the Documentary Heritage Collection
Sector at Library and Archives Canada



Seamus Ross

Dean
Faculty of Information
University of Toronto

Help us open our minds



Example of our New Converged Vision

Centre for Arts and Culture

A Concept in Development

Archives, Rare Books, Special Collections, Art & Artifacts

Where Curators & Archivists actively collaborate

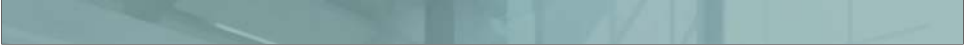
Principal Considerations


Converged Mandate

Integrated Management

Common Exhibition Program

Encompassed within TFDL-Wide Collaboration





Design for the Future: Learning

Enhanced Capabilities



Triple the desktops computers

Double collaborative workroom

Add Presentation Practice Rooms

Extensive stacks

Better comfortable furniture

More study space



From
Information Discovery to Knowledge Creation

Information Commons, 2000
to
Learning Commons, 2010

Knowledge Creation Technologies

Media Production

Collaborative Spaces

Visualization Lab

Digital Object Tables

Editing and Display Capabilities

Presentation Practice Rooms

Digital Globes





Where students can CREATE and EXPERIENCE information in new ways

Centre for Student Success Partnership with the Office of Vice Provost for Students

Full-Scale Collaboration

Information Literacy

Seamless Integration of Learning
Support Services

Digital Literacy Classroom
Instruction

Student Advising

Technology Training

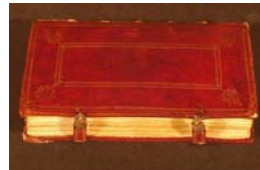
Aid for Students with Disabilities



Art & Archives

Art, Archives and Artifacts as Teaching Tools

Class Instruction Workshops Student Assistance




Other Critical Partners in the Building

University of Calgary
Information Technologies

University of Calgary
Alumni Association





Design for the Future: Research

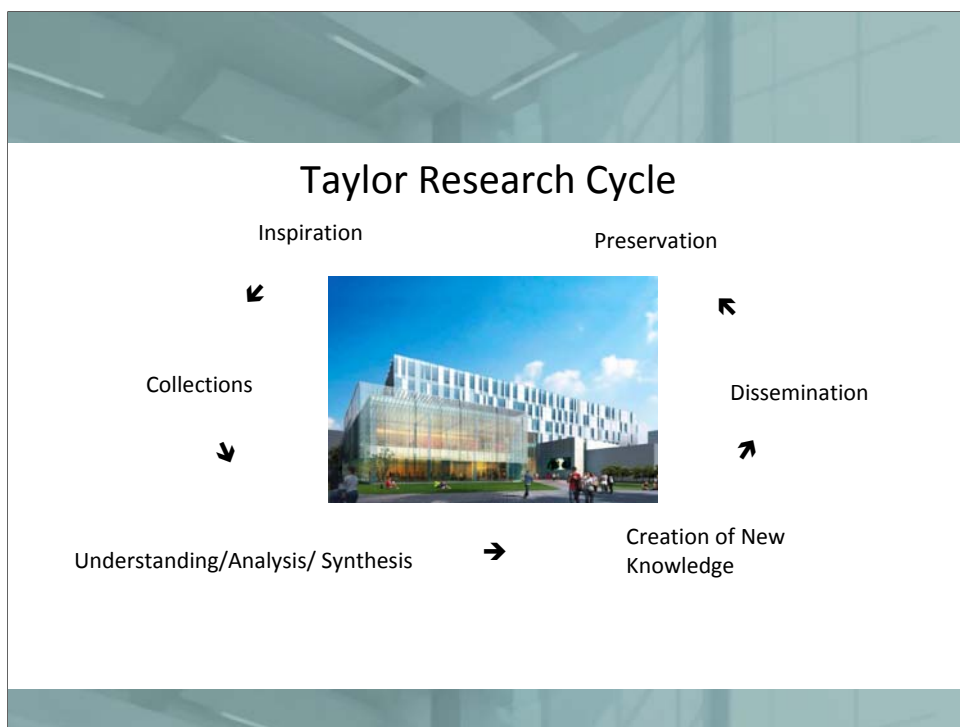
The Taylor as an Instrument of Research



Students

Faculty

Community Researchers



Ubiquitous Inspiration

Every part of the building offers opportunities for inspiration

Individual experience within the building to be inspiring

Stimulated by diversity of information, images, sound, animation and creation

Dissemination

Publication

Performance

Exhibition

Open Online Access

Preservation

Preserving the Record of Research in all it's forms and the discourse itself

Expanding Research Support

Building as “Living Lab”

Broad Research Dissemination

Expanding E-Data Content and Research

Multi-Dimensional Visualization Capabilities

Digital Curation



Digital Globes and Object Touch Tables

Media within Walls of the Building

The Research Implementation Committee chaired by John Cole will add to this list in their final report.

The Collection of the Future

Redefining the Collection



The TFDL Is a Library, Archive & Museum and Press

It is a Learning & Research Space

It has Books, Journals, Art, Artifacts and a whole lot more.

More than Book and Journal Counts

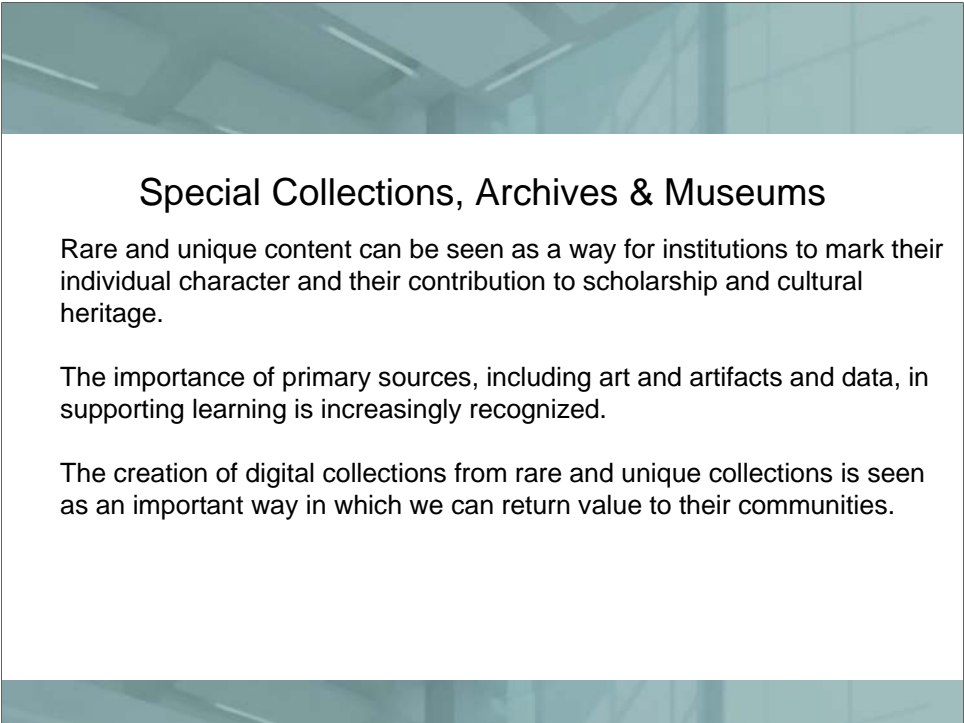


Primary Source Materials and Artifacts



Collections of the Future are not just digital.

Interest is growing in rich learning environments that use primary source materials and artifacts as the basis for inquiry based learning.

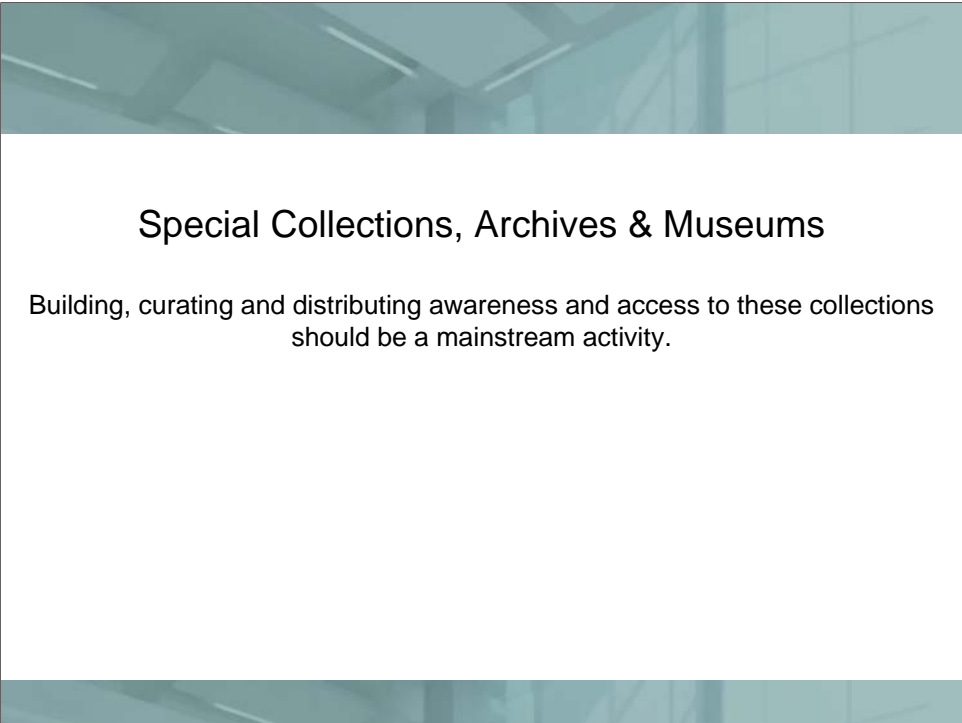


Special Collections, Archives & Museums

Rare and unique content can be seen as a way for institutions to mark their individual character and their contribution to scholarship and cultural heritage.

The importance of primary sources, including art and artifacts and data, in supporting learning is increasingly recognized.

The creation of digital collections from rare and unique collections is seen as an important way in which we can return value to their communities.



Special Collections, Archives & Museums

Building, curating and distributing awareness and access to these collections should be a mainstream activity.

Digital Objects of Scholarly Interest



Use of digital streaming media for teaching and learning is increasing

Images

Video

Animation

Audio

Streaming Media

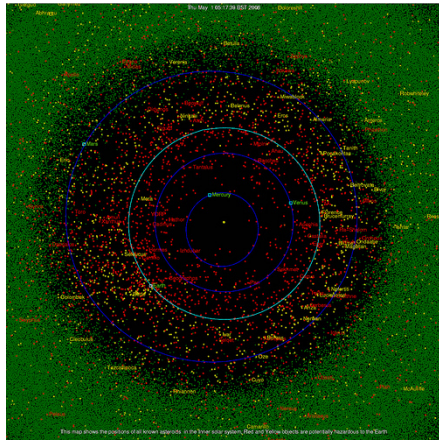
Academic studies of events, such as performance, often depend on digital recordings.

Speech from Martin Luther King Jr- her the intonation instead of just reading the words

Studying a performance of Yo Yo Ma

Watching Margaret Atwood read and discuss her works

Watching real-time video of the Aurora Borealis from our UofC Researchers

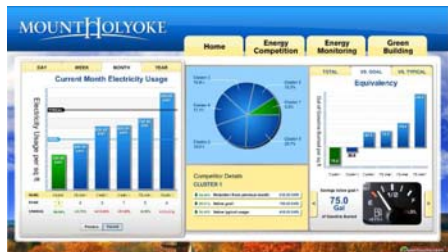


Visualization of Real-Time Asteroid Data

Real-Time Digital Primary
Resources are Valued

Real time data of an asteroid

Building and Use Data Will Become Collections in Themselves



Building data will become a teaching tool in itself

Building Management System

Stream real-time energy usage to display screens to website and media walls.

Plan to coordinate with EEEL building to compare building energy useage.

“Living Library” at Seattle Public Library

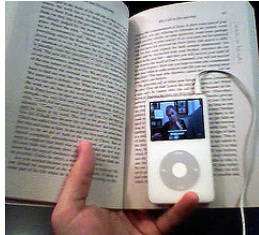
Stream real-time LCR data to website and media walls

Active text based communication lives on the Web



Commit to Being Digital

Making Collections Work for Users



Discovery

Rights

Form Attributes

Usefulness

Technologies

Stability

Software Compatibility

Interactivity

Deliverability



The content has to be in the right form and have the right attributes.
Discovery, Interaction, Technologies & Rights



The Collection of the Future

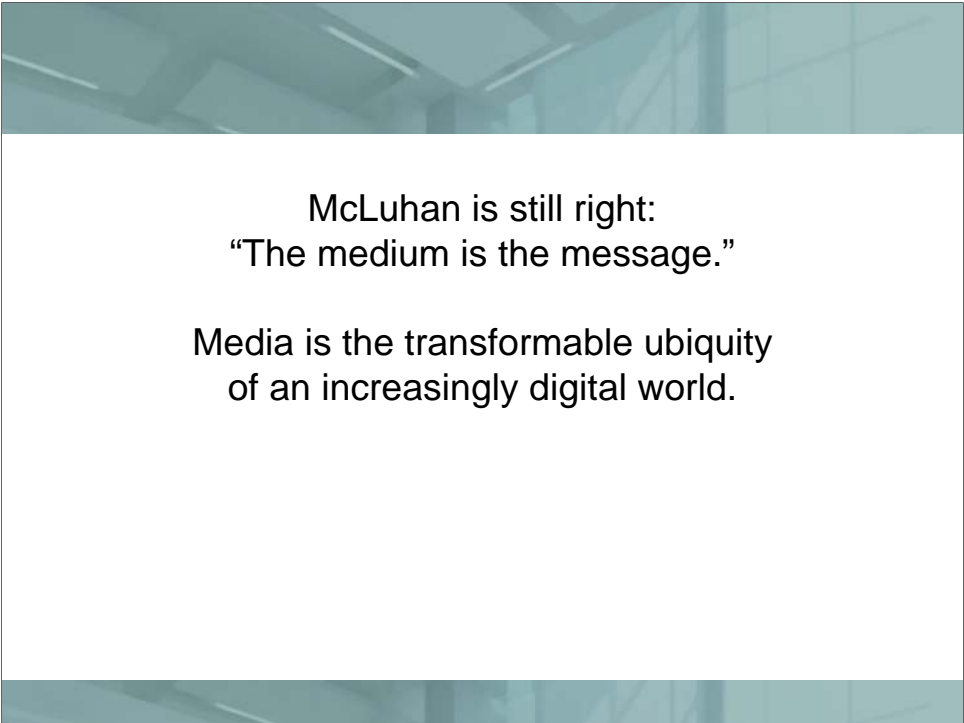
“These are the shelves and spine labels of the digital collection, the irreducible accompaniments that make information accessible and useful.”

Helen Clarke, Head of Collections Services,
University of Calgary

Design for the Future: Media



Increasingly collections will be shaped by the media in which they are distributed



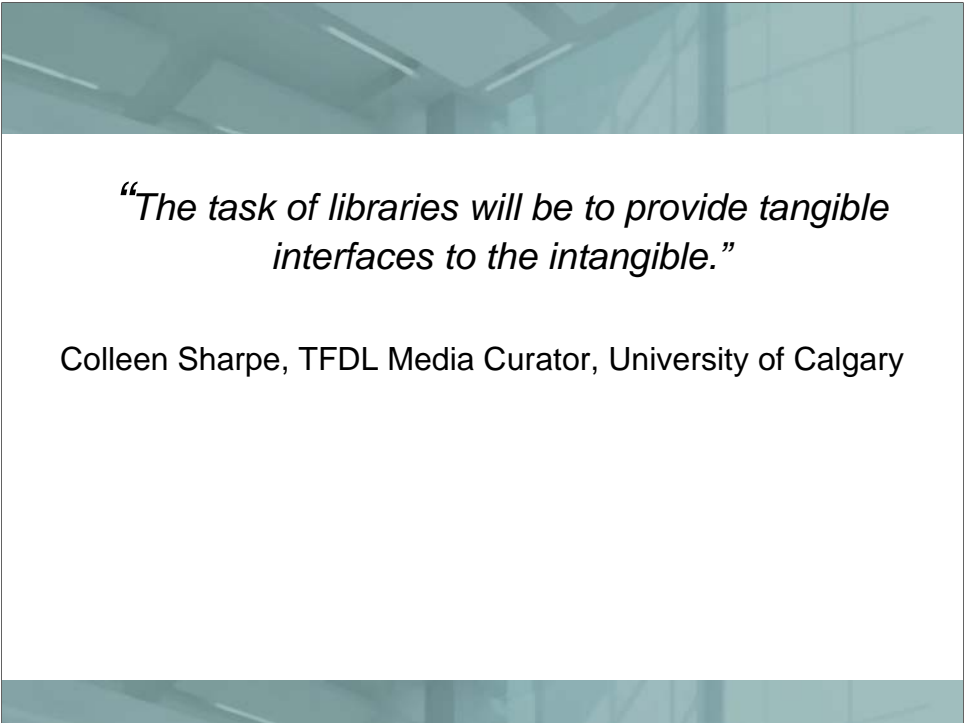
McLuhan is still right:
“The medium is the message.”

Media is the transformable ubiquity
of an increasingly digital world.

From the seemingly ephemeral form
of the electronic journal,
the digital medium will evolve ever further
until it becomes vaporous.



As technology continually evolves, the message will survive in evolving media.



*“The task of libraries will be to provide tangible
interfaces to the intangible.”*

Colleen Sharpe, TFDL Media Curator, University of Calgary

Media Examples:

Products of Research

Student Creations

New Media Art

Performance

Media from Campus, Community and Worldwide



Student Project- Second Life Exhibition of Virtual Jazz

Local Dance Performance

Design for the Future:

Community Role

This Building Gives Us the Opportunity to Do More



We want to to serve the citizens of Calgary, Southern Alberta and all the citizens of the Province.



Current Community Role

Library is open to all citizens of Alberta

Digitization of Heritage Material

Health Information Network

The Military Museums

Health Knowledge Network

The Nickle Arts Museum & Local Artists

Lois Hole Campus Alberta Digital Library

Community Role

Health Information Network

Expand Province-Wide

In Partnership with the University of Alberta Libraries



Community Role Centre for Arts and Culture

Centre for Arts and Culture will exercise an expanding Community Role

Do away with Museum Admission Fees

Collect and Preserve the Documentary Heritage of Our Region

Expand the Museum's Local Artist Collections



Committing additional money to local artists

- Continue to exhibit local artists

- partnership with the Calgary Stampede to exhibit Stampede Art on campus and at the Stampede Ground

Expand the Museum's local Artist collections

\$100,000 for

Ronald Moffat

Pace

Barbara Mill

New Media Art

Exhibit art throughout the building

Across Campus, the Community and into local Classrooms



- Allow us to exhibit local art throughout the building.
- Likewise, we can exhibit across campus, across the community and into local classrooms
- Exhibition space for local artists

Partner with the City of Calgary

Planning and Developing Calgary's Support for Arts and Culture



Want to be a partner with the City of Calgary Art Development Authority.
CADA recognized and recommended funding contributed to the Museum's construction as part of Calgary Art Spaces project. Reflects their acknowledgement of the role the Museum can play.

Expand Partnerships
with
Post Secondary and
Cultural Institutions
in the Region

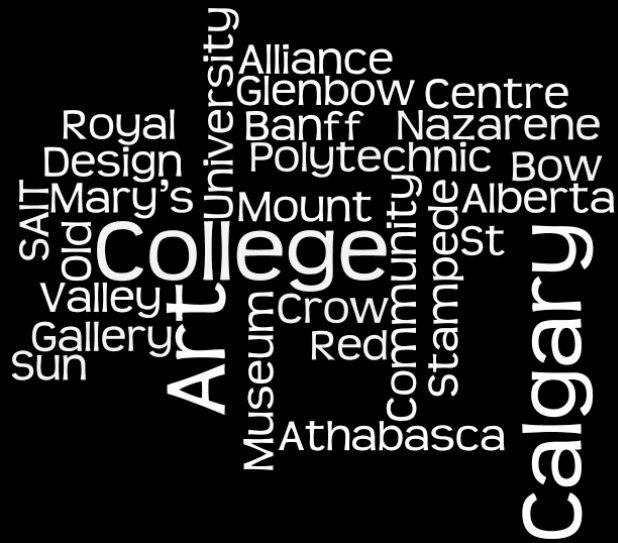


Image by <http://www.wordle.net/>



Steve Dantzer's joke

Thank you for the Images

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- <http://www.ifla.org/III/photos/parent2.jpg>



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