

It's learning and research, stupid

Lorcan Dempsey

Netlab and friends, Lund, 10-12 April 2002



Overview

- Part 1
- Part 2
- Part 3
- Part 4
- Part 5

Part 1

- Nostalgia



Traugott Koch and a large Boston lunch

To: L.Dempsey@bath.ac.uk

Subject: visit

Date: Wed, 05 May 1993 13:12:43 +0200

From: Traugott Koch UB2 <traugott@munin.ub2.lu.se>

Dear Mr. Dempsey!

We met at the "Computers in Libraries" conference in february and discussed the possibility to visit You, UKOLN and Bath. I am participating in the "Networking 93" conference, visiting London from sunday May the 16th until sunday the 23th.

My colleague Anders Ardoe, whom You met in Helsinki to, does not have the possibility to come on this occasion.

To: L.Dempsey@bath.ac.uk

Subject: article in "Journal of Information Networking"

Date: Tue, 08 Jun 1993 14:52:46 +0200

From: Traugott Koch UB2 <traugott@munin.ub2.lu.se>

Dear Lorcan!

We are very pleased by your offer to invite us to write an article and to contribute to your "biggest career mistake".

At the other hand, we are very busy this summer, and Anders has gone on his long holidays already!

We are not sure to be able to provide an article good enough for your journal. After all, we are primarily practitioners, with limited experiences. But we want to give it a try and hope for your help.

...

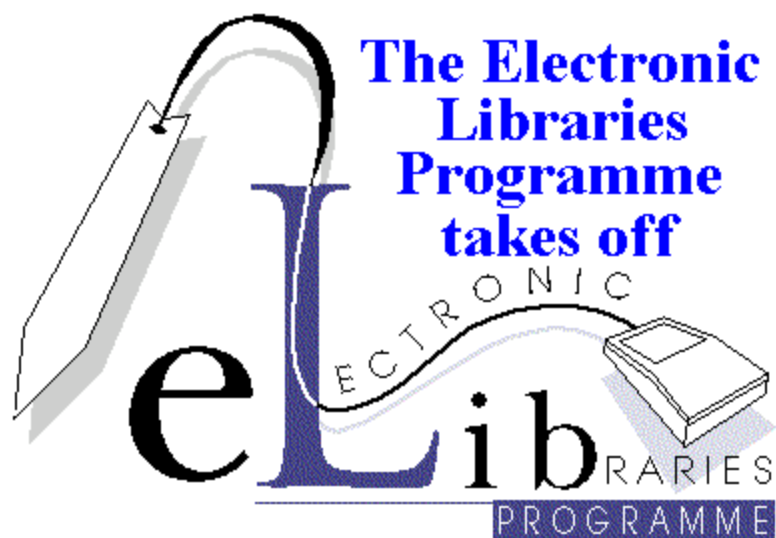
Best regards, Traugott

Issue 1

ARIADNE

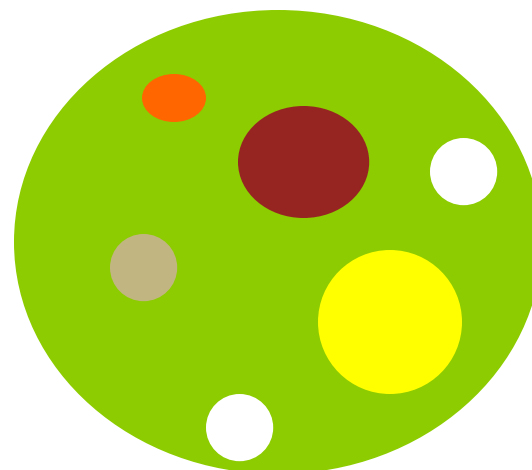
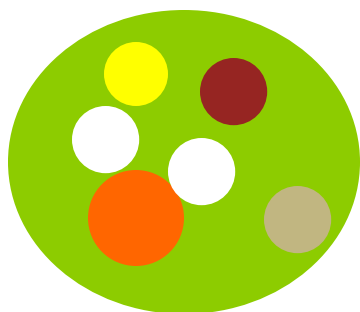
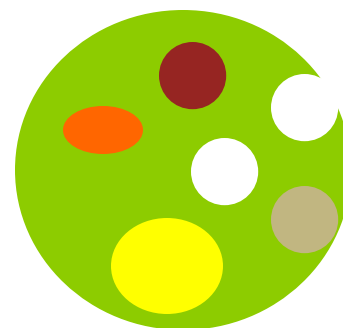
January '96

ISSN: 1361-3200

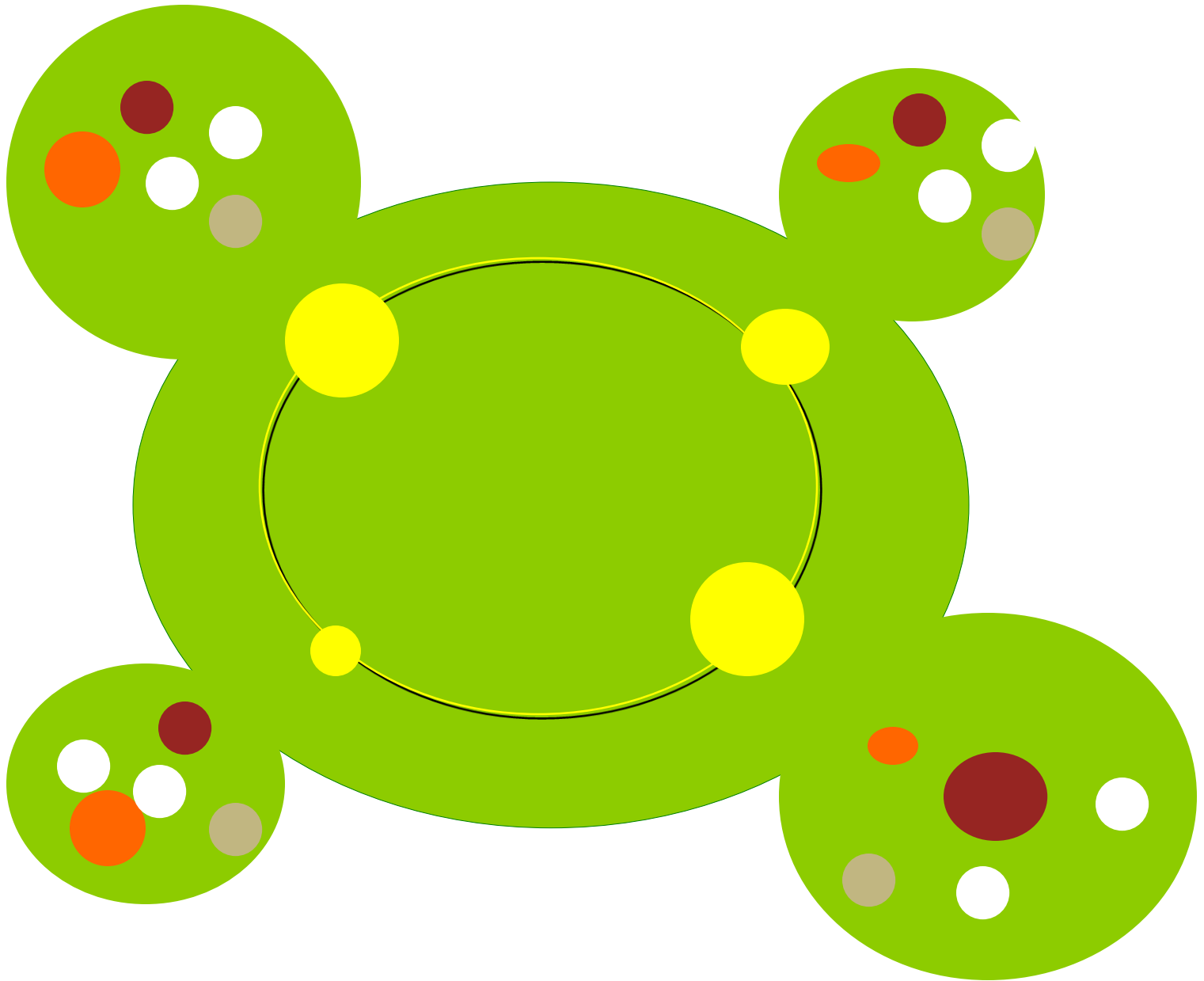
<http://ukoln.bath.ac.uk/ariadne/>[Contents Page](#)*Spotlight on***B U B L**[News](#)[Search](#)[Mail room](#)[About us](#)

Part 3

- Libraries in a shared network space

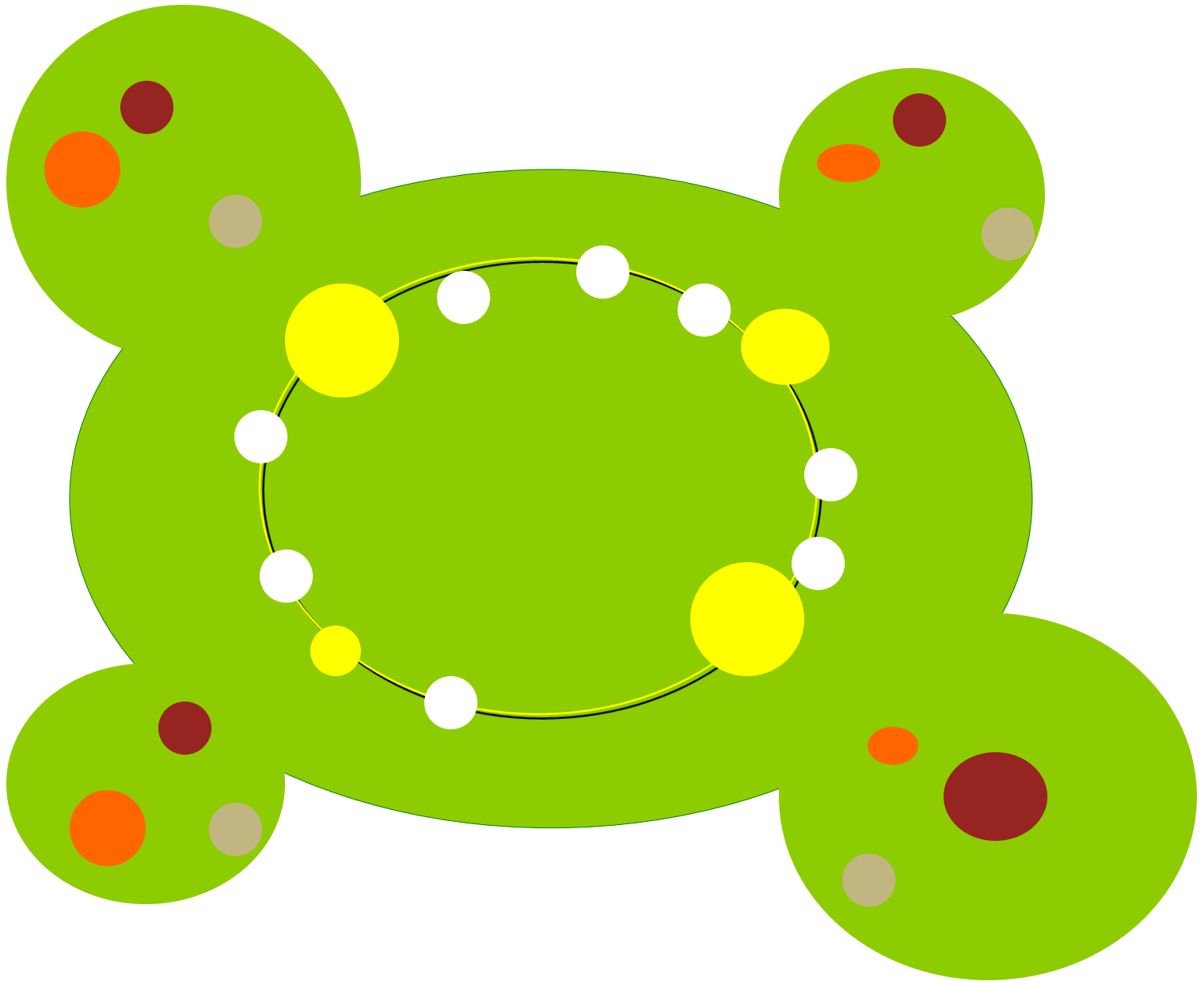


Libraries



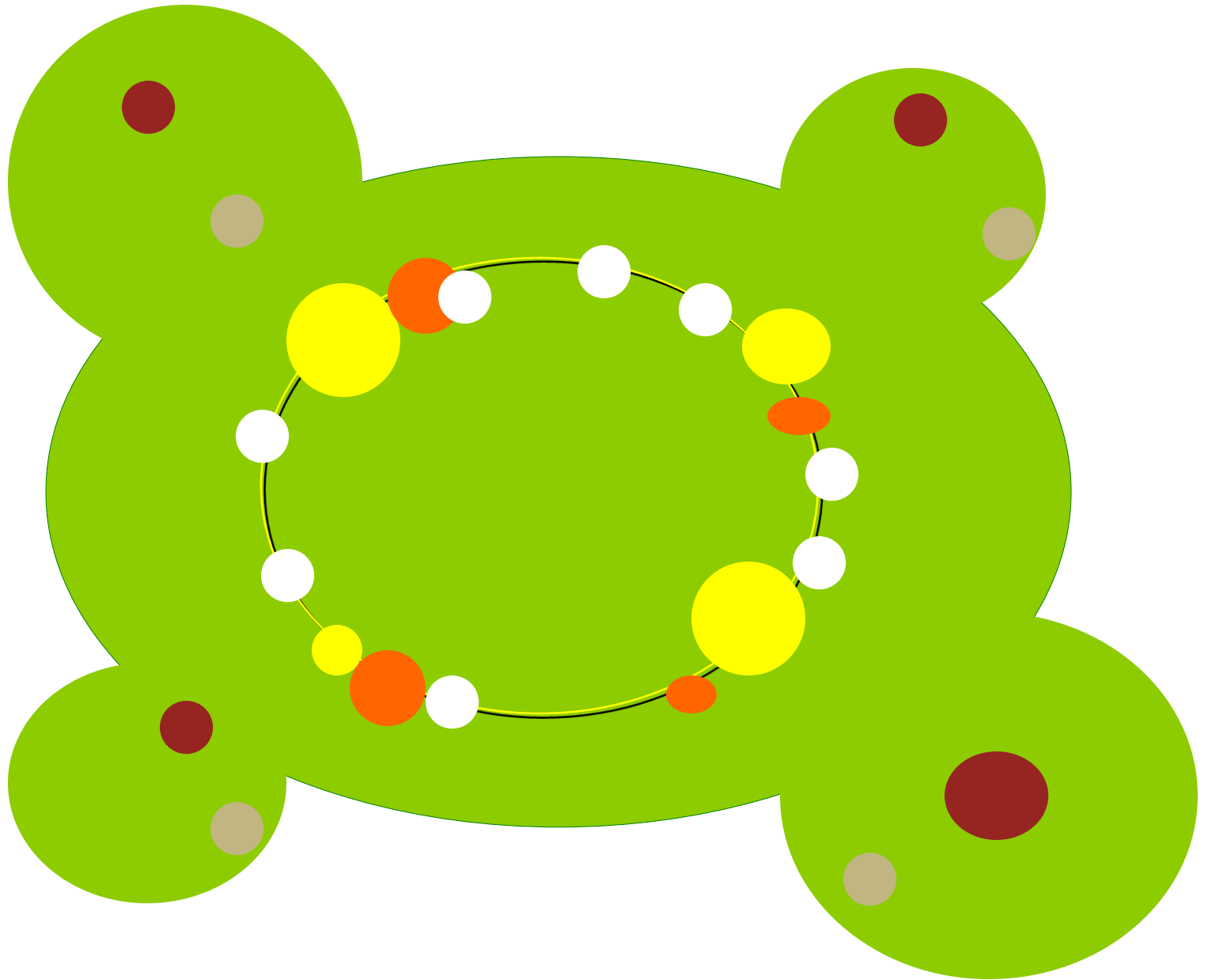
A shared network space

Shared cataloging – 70s

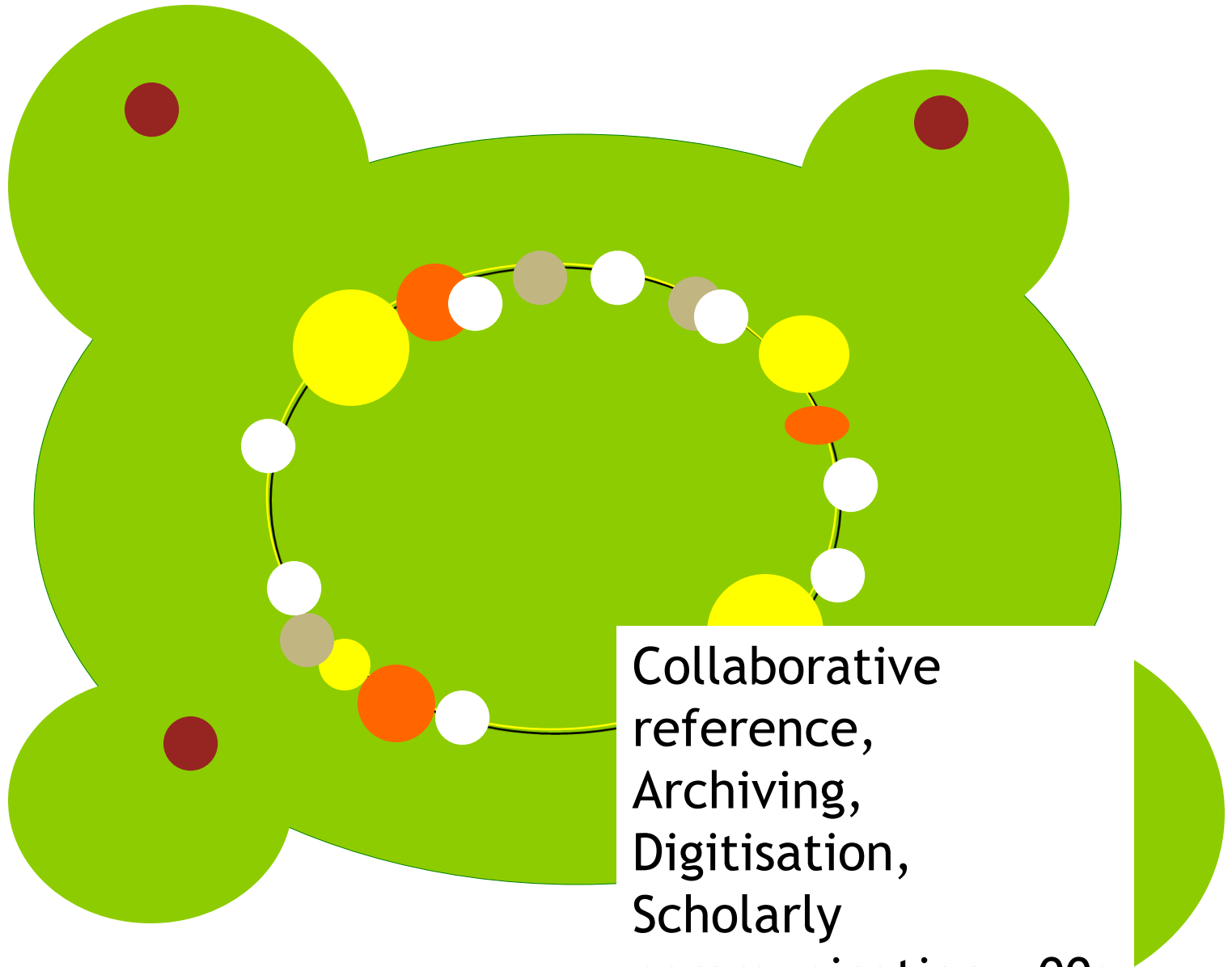


A shared network space

Resource sharing – 80s



A shared network space Article discovery and delivery – 90s



Collaborative
reference,
Archiving,
Digitisation,
Scholarly
communication - 00s

A shared network space

Libraries in a shared space?

- Progressive entry into shared space as resources and services become digital
- Being digital suggests reorganisation to best leverage individual and collective strengths
- Move away from vertical organisation around collection to horizontal organisation around process ...
- But ...

Part 4

- Research, learning and cultural engagement in a shared space

A shared space: active reshaping in a new medium

- Scholarly communication:
 - Moving from author-publisher-distributor-library chain to
 - ... web in which all are potentially in contact with each other.
 - Co-evolution of new institutional forms with the material support of shared network space

A shared space – on campus

- **The Digital Library**, providing access for staff and students, wherever they are located, to networked information resources, which may in turn be disclosed to the outside world.
- **e-Learning systems**, providing the University with the capacity to enable learning and teaching in a flexible, place-independent, online environment, and enhancing the existing campus learning experience.
- **The public Web site**, providing a means of marketing the University and of communicating with students, potential students, alumni and others.
- **The Corporate Intranet**, providing staff with access to information and communication resources, and to means of conducting their business in a secure, online environment.
- **A Student Intranet**, providing students with access to student-centred information, learning resources, course management and communication facilities, as well as the ability to conduct financial and administrative functions online.
- **And lots of other stuff.**

A shared space: the creative user

- Digital scholarship
- Digital research
- Digital learning
- Cultural heritage
- Growing importance of 'non-published unique materials' (u)
 - Supporting creators
 - Managing intellectual informational assets
 - Preserving and disclosing
 - Collectible?

DSpace

Home

About Us

Vision/Mission
News
FAQs

Our Team

Project Team
Steering Committee
Advisory Board
Sponsors

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Early Adopters
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Implementation

Challenges
Design Documents
Content Guidelines
Use Case Scenarios

Site Map

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DSpace Home

Welcome to DSpace, a newly developed digital archive created to capture and distribute the intellectual output of MIT.

As a joint project of [MIT Libraries](#) and the [Hewlett-Packard Company](#), DSpace provides stable long-term storage needed to house the approximately 10,000 articles produced annually by MIT faculty, researchers, centers and labs.

For the contributor, DSpace offers the advantages of a digital publication in a variety of formats including text, audio, video, images and datasets. All contributed materials are subject to access control and rights management protection. Individuals and their academic communities may determine who will have access to archived works. In addition, DSpace offers versioning of documents. While contributors must submit "finished" works to DSpace, they may also update and revise their work after the initial submission date.

For the library user, DSpace enables easy remote access and the ability to read, and search DSpace items from one location: the World Wide Web!

Browse our website for more information about what DSpace can offer you.

*Many ideas grow better
when transplanted into another
mind than in the one where
they sprang up.*

-Oliver Wendell Holmes

Want to help us build DSpace?

We'd love to get your views and preferences through a short [survey](#).

“Learning management

- All learning material produced by commercial suppliers, teachers and the community for ‘UK Education’ will be available from shared repositories in a range of levels of granularity (content objects to courses).
- Teacher and learner will be ‘active’ in the customisation of on line content
- Teacher and learner can select the most appropriate exemplar material from seemingly infinite choices of educational content.
- Teachers will not duplicate the production of existing material.
- Teacher training will have supportive and collaborative online systems whilst training, at initial entry and continuing development





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- [Social Sciences \(559\)](#)

Results Path: [All](#) > [Science and Technology](#)

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Default sort order by rating. Resort by:

Category: Science and Technology

Items 1 - 10 shown.

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[Ideal Gas Law Simulation](#) (Simulation)

Author: John Gelder, Kirk Haines & Mike Abraham

An effective tool to help students learn about all aspects of the ideal gas law. One of the best ...

Location: <http://intro.chem.okstate.edu/1314F00/Laboratory/GLP.htm>

Added: Feb 19, 2001

[Peer Reviews](#) (2) avg: ★★★★★

[User Comments](#) (1) avg: ★★★★★

Assignments (none)

[Optics Bench Physlet](#) (Simulation)

Author: Wolfgang Christian

Applet simulates an optical bench, including lenses, mirrors, and apertures.

Location: <http://webphysics.davidson.edu/Applets/optics4/default.html>

Added: May 16, 2000

[Peer Reviews](#) (1) avg: ★★★★★

[User Comments](#) (1) avg: ★★★★★

Assignments (none)

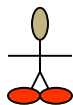
[DNA from the Beginning](#) (Simulation)

Author: James D. Watson, David Micklos, Jan Witkowski, Susan Lauter, Shirley Chan, Susan Conova

[Peer Reviews](#) (1) avg: ★★★★★

[User Comments](#) (1) avg: ★★★★★

Assignments (none)



Learner

Creator

Infoseeker

Agent

Resource Utilizers

DISCOVER
(Query, Browse, Follow Path)

ACCESS

USE

Presentation

SEARCH

PUBLISH

GATHER

ALERT

REQUEST

Mediation

STORE

MANAGE

EXPOSE

DELIVER

Provision

Metadata

Assets

Repositories

AUTHENTICATE

Access Management

AUTHORISE

CONTROL ACCESS

MANAGE RIGHTS OBLIGATIONS

RESOLVE

AUDIT

NEGOTIATE TRADE

Procurement

MAKE PAYMENT



People

Directories



Repositories



Organizations



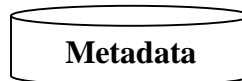
Traders

STORE

MANAGE

EXPOSE

Registries



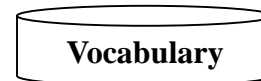
Metadata

STORE



Competency

MANAGE



Vocabulary

EXPOSE



What is e-Science?

"e-Science is about global collaboration in key areas of science, and the next generation of infrastructure that will enable it."

John Taylor, Director General of the Research Councils, OST

e-Science will be vital to the successful exploitation of the next generation of powerful scientific facilities operated by CLRC on behalf of the UK research community, and to the UK's effective use of major facilities elsewhere.

These facilities - synchrotrons, satellites, telescopes, lasers - will collectively generate many terabytes of data every day. Their users will require efficient access to geographically distributed leading edge data storage, computational and network resources in order to manage and analyse these data in a timely and cost effective way. e-Science will build the infrastructure which delivers this.

e-Science also offers new possibilities for enabling cross-disciplinary research through the provision of a common Grid infrastructure. With its own broadly based scientific programme, CLRC intends to play a central role in helping to achieve this.

"e-Science will change the dynamic of the way science is undertaken."

John Taylor

ome
hat is e-Science?
Science Centre
projects
vents
formation
seful links
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Huntington Archive

Premiere online exhibitions of Buddhist and Asian Art

From the Collection: From Heaven and Earth: Chinese Jade in Context

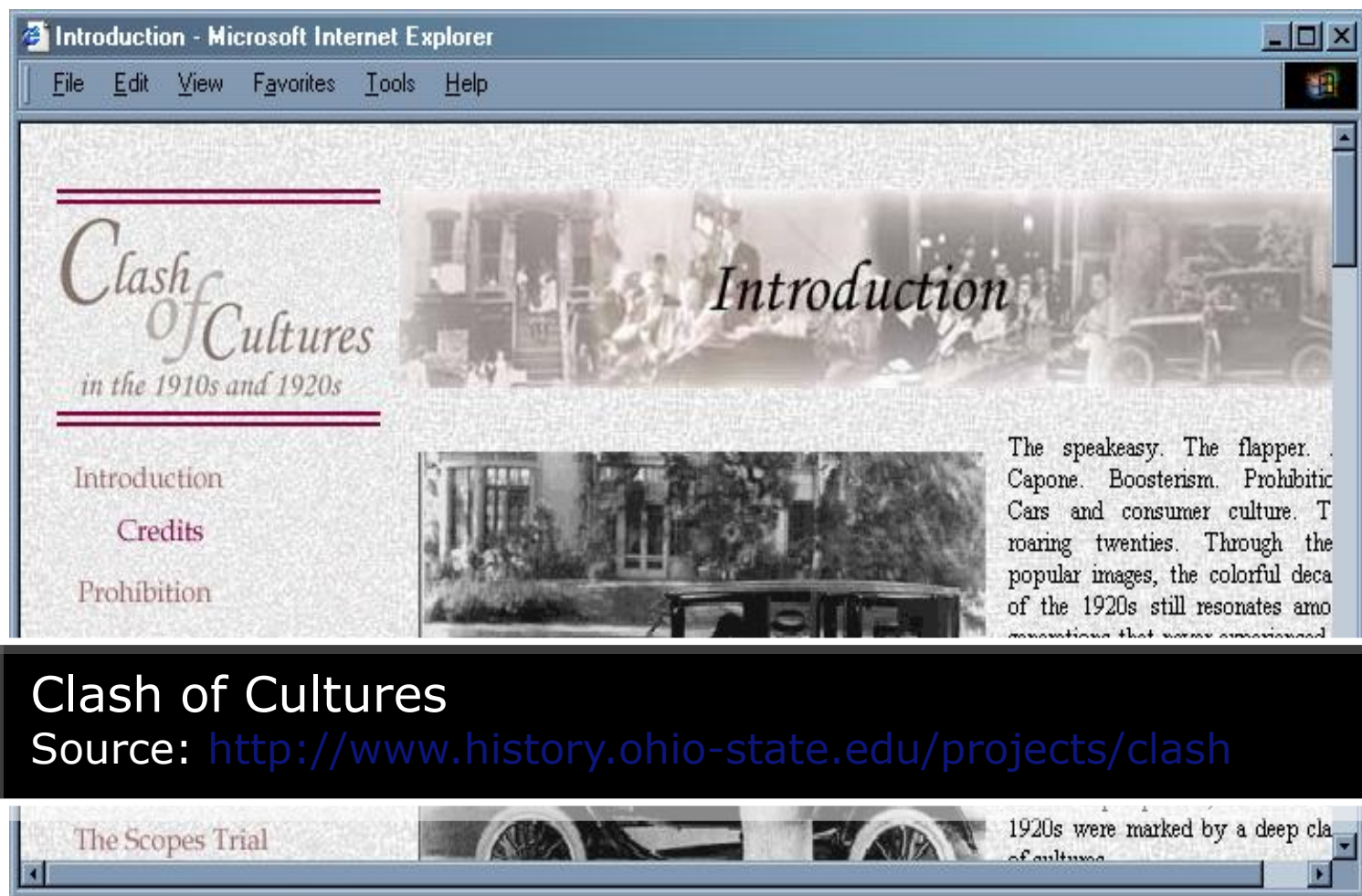


Sample image from Huntington Collection.

Source:

<http://www.osu.edu/features/04imag01.html>






Clash of Cultures

Source: <http://www.history.ohio-state.edu/projects/clash>

Journal of Molecular Spectroscopy Supplementary Material Archives Home Page - Microsoft Internet Explorer

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MOLECULAR SPECTROSCOPY ARCHIVES

A JOINT PROJECT OF
THE SPECTROSCOPY INSTITUTE & THE UNIVERSITY LIBRARIES

JOURNAL OF MOLECULAR SPECTROSCOPY SUPPLEMENTARY MATERIAL ARCHIVES

[1997](#) | [1998](#) | [1999](#) | [2000](#) | [2001](#)

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JMS Supplementary Material Archives

1997 (v. 181-186)	1998 (v. 187-192)	1999 (v. 193-198)	2000 (v. 199-204)	2001 (v. 205-)
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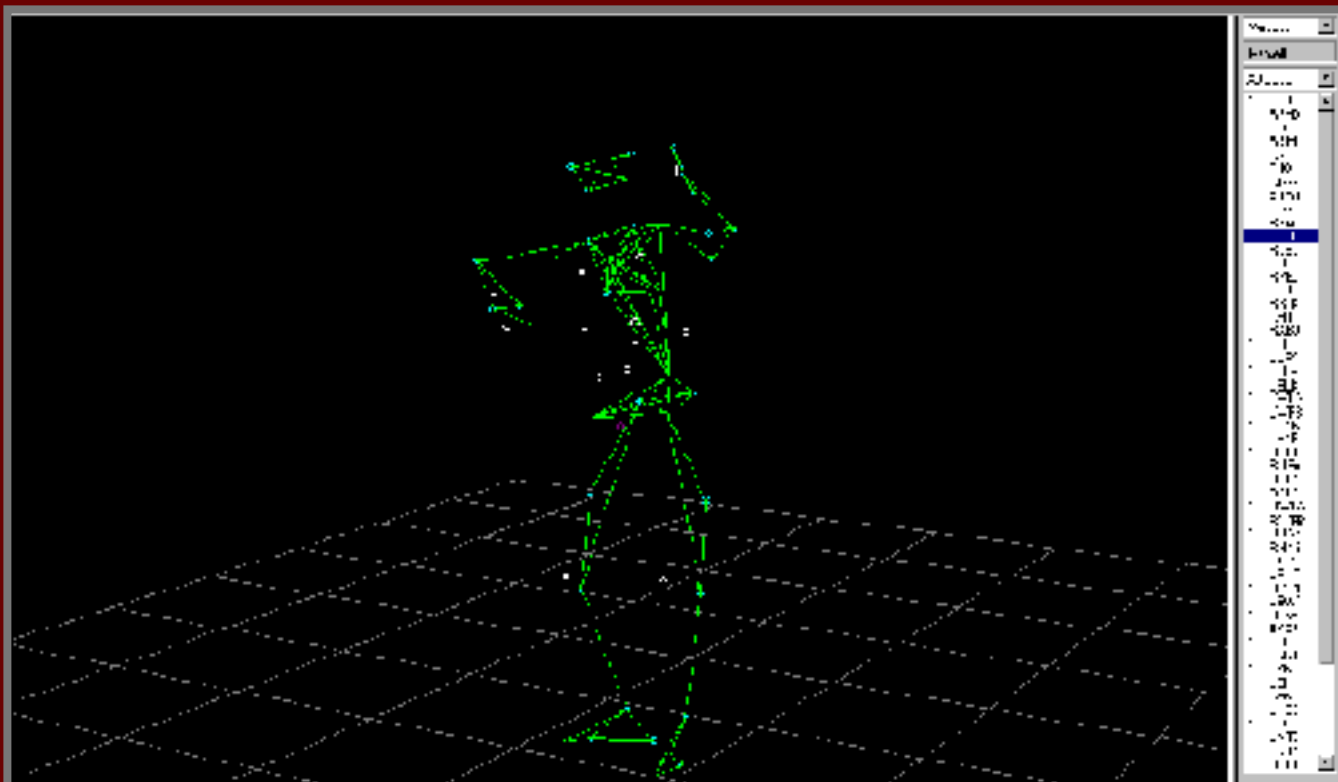
The Journal of Molecular Spectroscopy Supplementary

Journal of Molecular Spectroscopy Supplementary Material Archives

Source: http://msa.lib.ohio-state.edu/jmsa_hp.htm

[Feedback](#)

material for articles published in JMS volume 181, 1997
to present. Supplementary material is defined as electronic data that does not appear in



Advanced Computing Center for the Arts and Design (ACCAD) Motion Capture Lab
Source: http://www.accad.ohio-state.edu/mocap/mocap_info.htm

A shared space: on the web

- Previously distinct activities enter a shared space.
- No resource is the single focus of a user's attention.
- Complementary demands
 - Demand-side economies of scale
 - Selective depth of access
 - Surface in users' own space

Power and judgment ..

- Peter Suber
 - Scholars and scientists – first order judgments
 - Search engines, catalogues, etc – second order judgments
- Patrick Wilson
 - Knowledge is power
 - Organisation – power over power

Libraries in a shared network space

- Libraries co-evolve with the organisations they serve, themselves variably responding to change
- A foundational reshaping of research, learning, communication, and cultural engagement
- Institutional uncertainty creates polarity between 'dreary digital apocalypse' and conservative resistance

Libraries in a shared network space

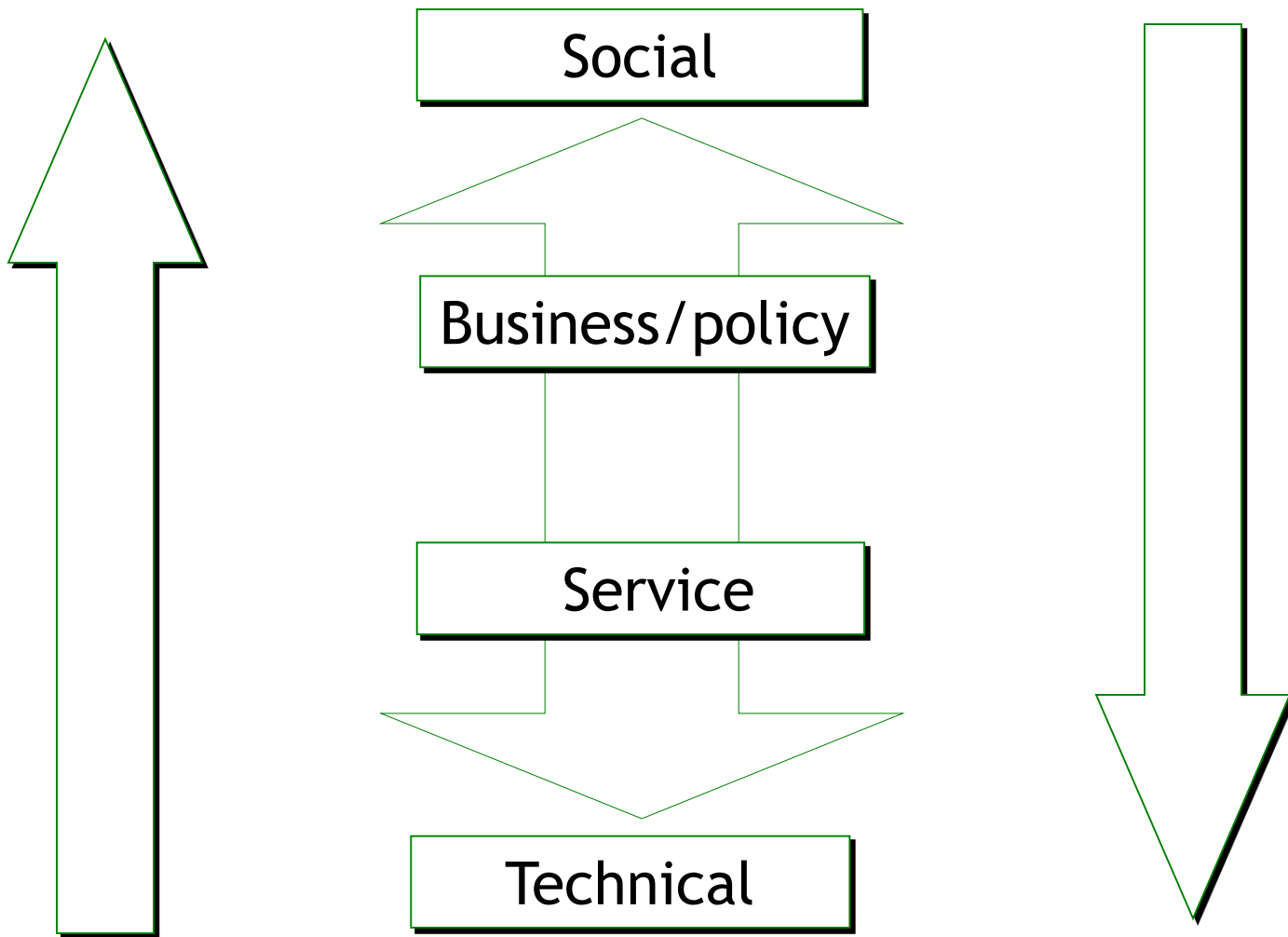
- New imperative: management of *unique non-published* materials
 - Learning, research, cultural heritage
- Increasing commodification of *non-unique published* materials – licensing
- The Portal Problem – the wrong answer to the wrong question

Libraries in a shared network space

- Libraries are not organised to deliver value in this new environment
- Collections and services are fragmented, redundant, incomplete, irrelevant to many needs
- They struggle to achieve either demand side economies of scale or selective depth
- Limited instruments to make knowledge structures widely applicable
- They are losing ground in the area of 'power and judgment'

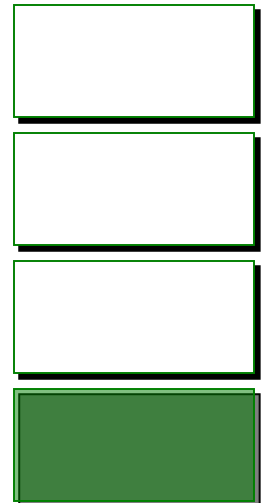
Part 5

- On the discrimination of interests



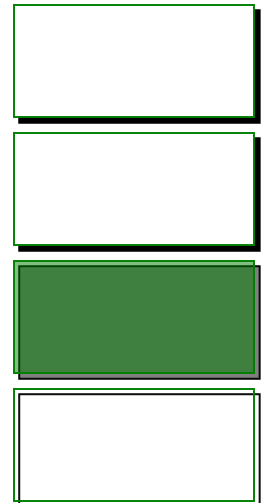
Technology

- Creates the shared space
 - Liquidity, friction, collectibility, ...
 - Recombinant
 - Information objects
 - Metadata
 - Services
 - Interoperability - model
 - Framework for second order judgement

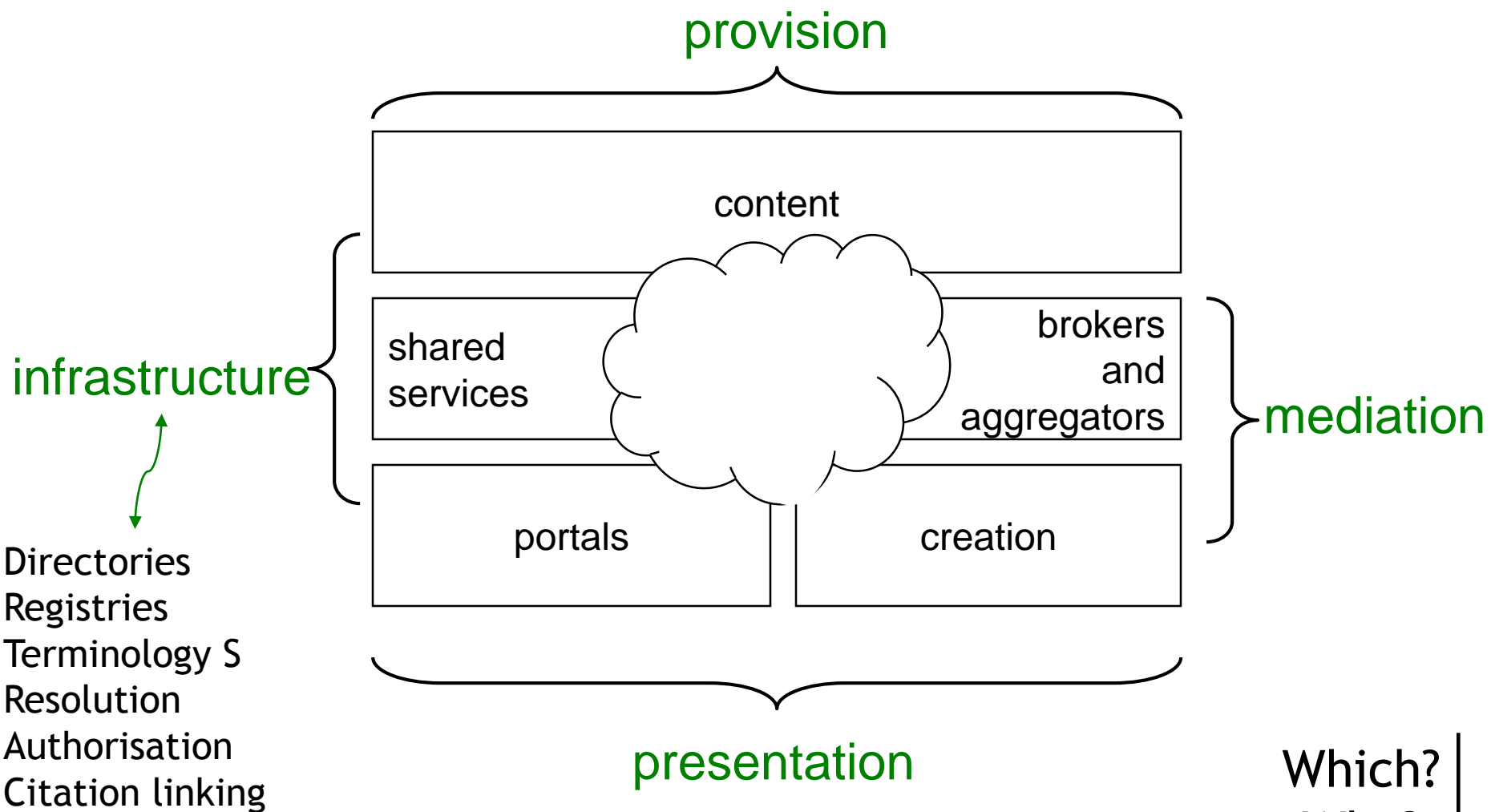


Towards an information environment - services

- No single resource is the sole focus of a user's attention
- In a distributed environment resources can be specialized to provide particular function
- Leverage communication between resources to add value to user's experience
- Take opportunity to remove redundancy
 - Birte Christensen-Dalsgaard
 - Digitisation/archiving



Services



Biblioludica

A Bibliographical Mystery Game

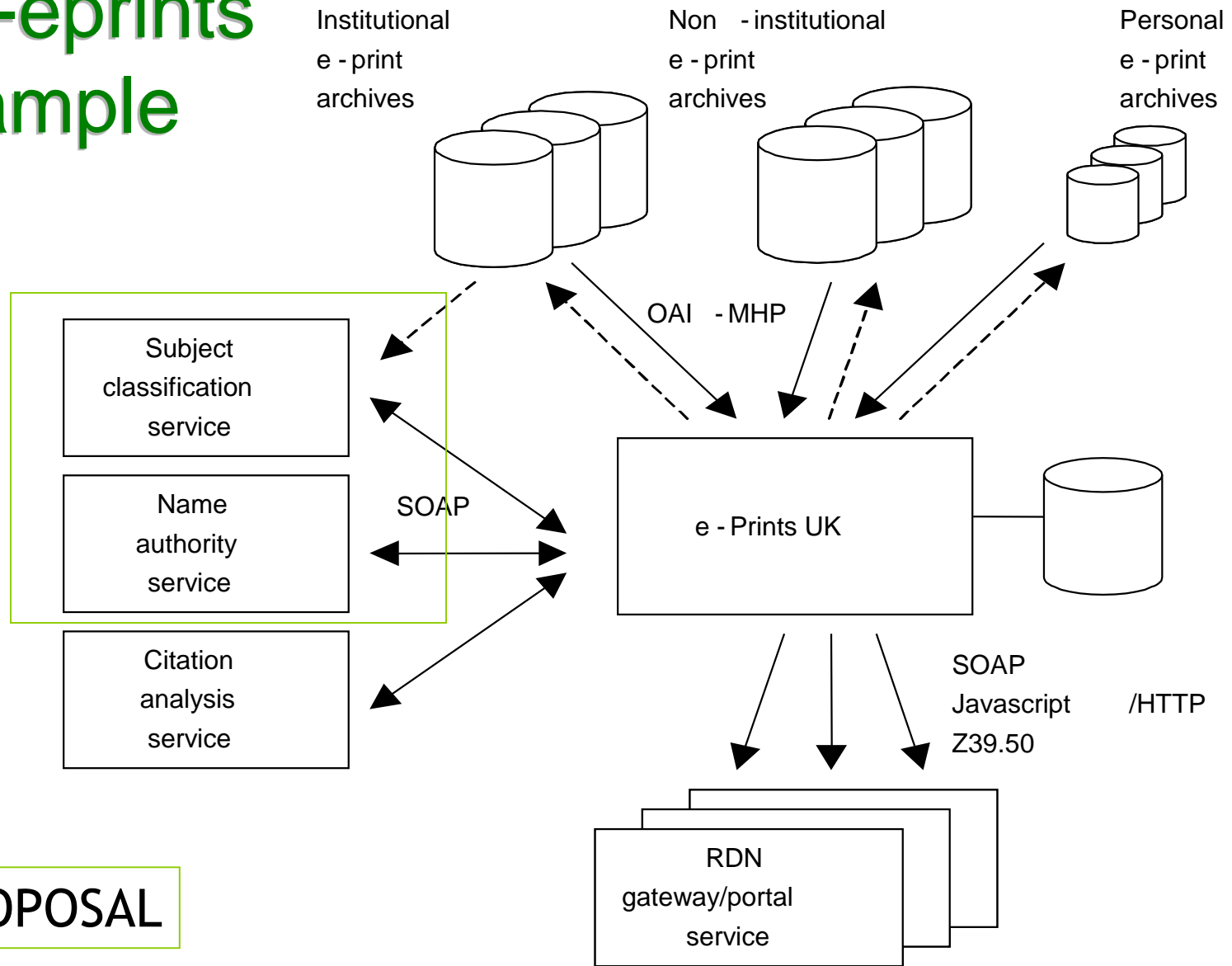
Biblioludica is a bibliographical research game currently in development by graduate student [Bethany Nowwiskie](#) of the [UVA Speculative Computing Lab](#). It was conceived as a way of teaching textual materiality and book history at the [University of Virginia](#), but its principles and methods are broadly applicable to humanities fields in which historical research, close examination of material artifacts, and production as a mode of enquiry are relevant activities for students and scholars.

The game consists of a series of research and production projects through which a semi-fictional bibliographical mystery is revealed. University faculty take on roles in the game, serving as facilitators or generating obstacles which require players to design new strategies. Local resources (such as rare book libraries, laboratories, academic departments, and printing presses) make up the game's contemporary setting, while a rich historical backdrop ensures that the mystery has enough depth to encourage innovative and idiosyncratic research. Students gain experience in bibliographical methods and book history as the game progresses, and their actions and interests serve to advance and alter the plot. They are ultimately asked to exhibit their mastery of course material by intervening in the production history of a problematic artifact (a book or manuscript) to produce a credible forgery. In its first semester (Spring 2002), Biblioludica is designed for open-ended play in the manner of improvisational role-playing games, but subsequent versions may incorporate a system of scoring, required roles or player-motivations, and defined end-game strategies.

Unlike the [Ivanhoe Game](#), the initial instance of Biblioludica comes "ready-loaded" with content appropriate to a college or graduate-level course in book history. However, like Ivanhoe, Biblioludica is not limited in its scope to a particular subject or discipline. At its core is a generalizable system -- a game model -- for shaping player experience. Because the [Ludica model](#) itself addresses gameplay, critical thinking, physical analysis and production, and pedagogy rather than specified texts and discipline-specific methodologies, instructors may adjust the elements of Biblioludica's plot to suit their own coursework. Bibliography, Historiography, Cultural Anthropology and Archaeology, Art History and other fields which study the material productions of human beings through time are well suited to the Biblioludica game model.

The first-semester iteration of Biblioludica is funded by a grant from the [Delmas Foundation](#). Please

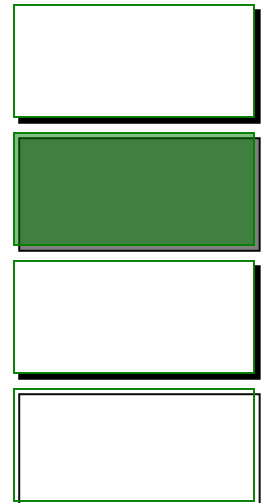
UK-eprints example



PROPOSAL

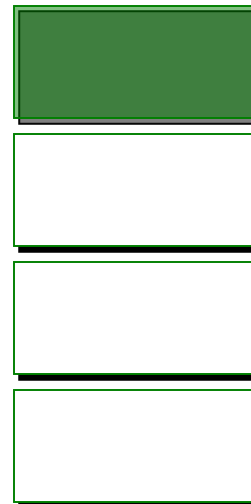
Business/Policy

- What organisational arrangement will support new service environment
 - Rules of engagement
 - Roles
 - Funding
- National <> local
- Compare OCLC and JISC
- A necessary transition?



Social

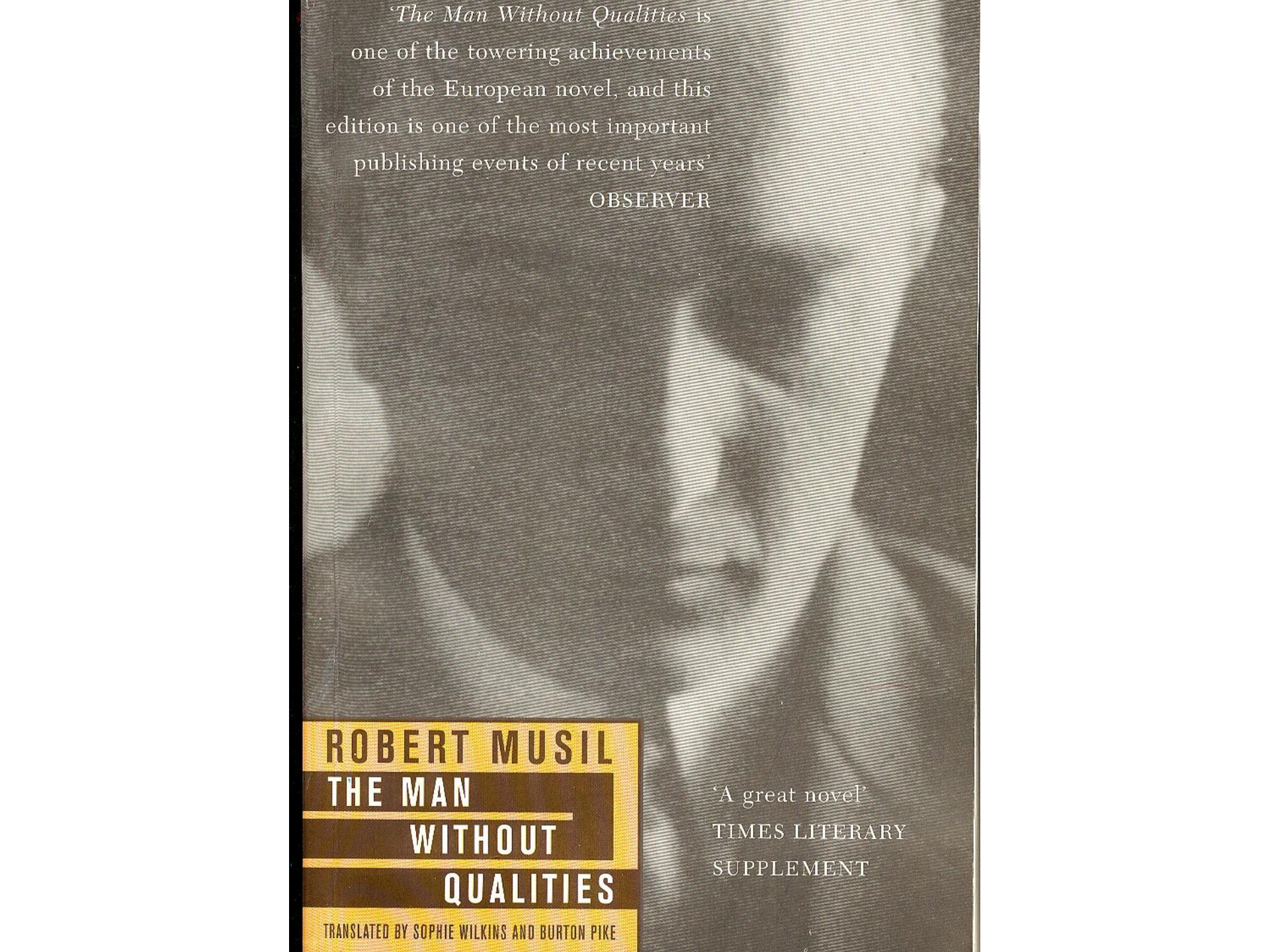
- Institutions
 - Persistent, authoritative, well-understood agency
- Secure long term access to the intellectual record
 - Public policy
- Experience
 - A new economy of attention and experience
 - Insinuation in research and learning behaviour



dempseyl@oclc.org

Part 2

- A literary interlude



*'The Man Without Qualities is
one of the towering achievements
of the European novel, and this
edition is one of the most important
publishing events of recent years'*

OBSERVER

ROBERT MUSIL
THE MAN
WITHOUT
QUALITIES

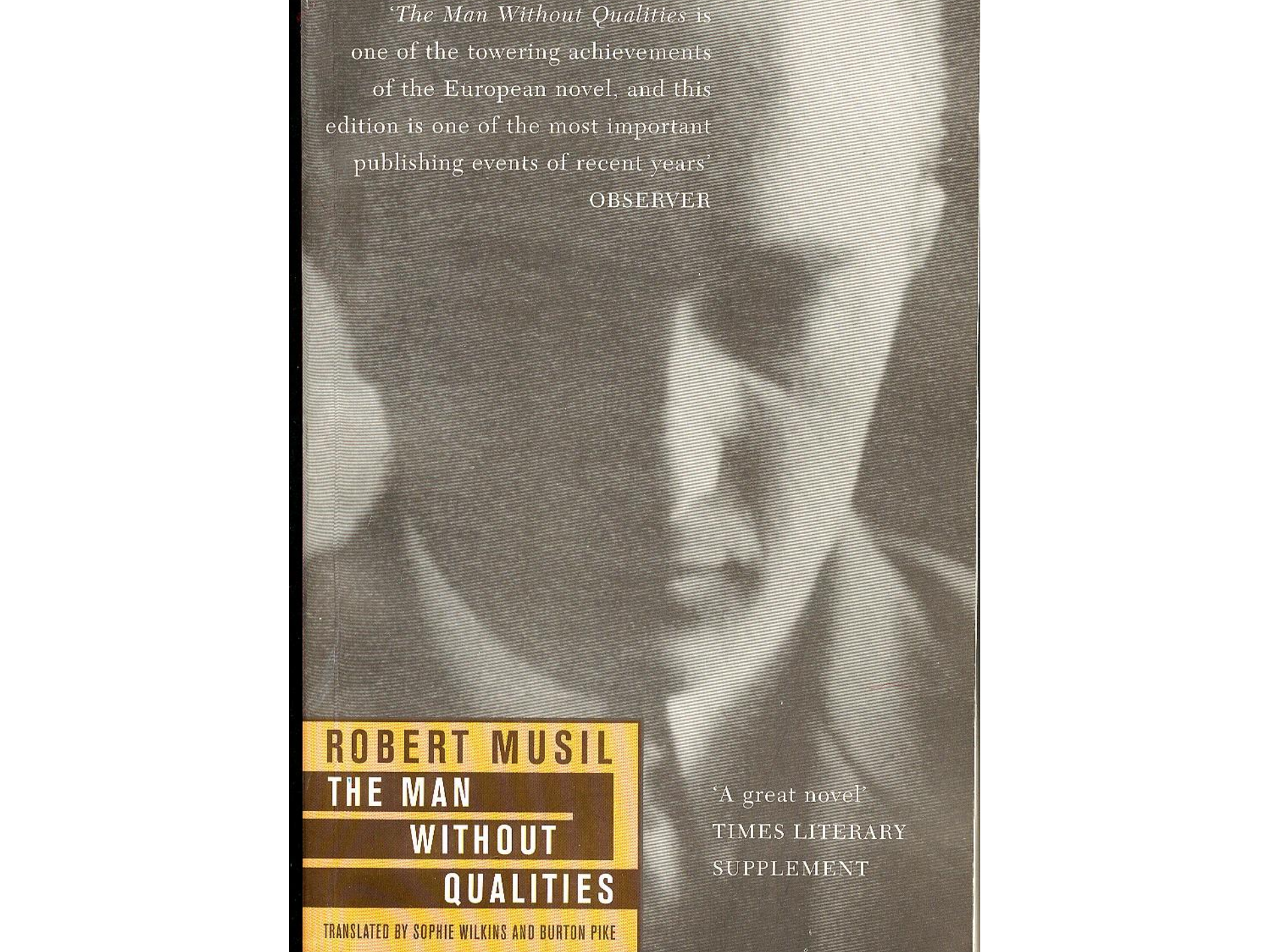
TRANSLATED BY SOPHIE WILKINS AND BURTON PIKE

'A great novel'
TIMES LITERARY
SUPPLEMENT

The man without qualities

Chapter 100

General Stumm invades the State Library and learns about the world of books, the librarians guarding it, and intellectual order



*'The Man Without Qualities is
one of the towering achievements
of the European novel, and this
edition is one of the most important
publishing events of recent years'*

OBSERVER

ROBERT MUSIL
THE MAN
WITHOUT
QUALITIES

TRANSLATED BY SOPHIE WILKINS AND BURTON PIKE

'A great novel'
TIMES LITERARY
SUPPLEMENT