The Oxford Digital Library
A first retrospective view and future prospects
27 June 2002
http://www.odl.ox.ac.uk
odl@ulib.ox.ac.uk
Topics

⇒ The Oxford Digital Library (ODL) – improved and integrated access to digitally converted library holdings
⇒ ODL Activities – Retrospective View
⇒ Planning and running a digitisation project
⇒ ODL Activities – Future prospects
The Development of the Oxford Digital Library

Strategic decision of senior Oxford University Library Services management

⇒ Improving online access to collections
⇒ Integrated access
Digital Initiatives

This page lists some of the interesting digital initiatives currently taking place in different sectors of the University of Oxford.

Digital Initiatives

Ashmolean Museum (http://www.ashmolean.ox.ac.uk). The Ashmolean Museum has been the site of various projects. These include a collaboration with the Bridgeman Art Library to build up an image library from transparencies, and a forthcoming project looking at the Allen Photography Archive (c. 1,500 black and white photographs).

Beazley Archive (http://www.beazley.ox.ac.uk). Four projects are currently underway at the Beazley Archive: a Database of Athenian Pottery, Beazley’s Drawings, the Cast Collection, and Ancient Gems and Finger-rings. The Archive is also investigating a system to watermark images automatically.

Bodleian Broadside Ballads Project (http://www.bodley.ox.ac.uk/ballads/). This project is digitizing around 30,000 images of broadside ballads held at the Bodleian Library.

Celtic and Medieval Manuscripts (http://imago.ox.ac.uk/). This project has been concentrating on the high-resolution digitization of a series of medieval manuscripts held at the Bodleian Library and college libraries.

Centre for the Study of Ancient Documents (http://www.csad.ox.ac.uk/CSAD/imago.htm). This unit, part of the Faculty of Literae Humaniores, is conducting a series of imaging projects on rare and unique material, including “squeezed” (finger-paper impressions of inscriptions), stylus tablets (using 3D imaging in collaboration with the University’s Department of Engineering), ink tablets, and papyrology.

Internet Library of Early Journals (ILEJ, http://www.bodley.ox.ac.uk/ilej/). A collaborative project between the universities of Oxford, Leeds, Birmingham, and Manchester. It chose six journals – The Builder, Notes & Queries, Blackwood’s (nineteenth century), Philosophical Transactions of the Royal Society, Gentleman’s Magazine, and the Annual Register (eighteenth century) – covering a ten or twenty run from each, with the total images amounting to around 100,000.

John Johnson Collection (see http://www.bodley.ox.ac.uk/johnson). Part of the UK’s JISC Image Digitization Initiative (JIDI), this project selected material from the John Johnson Collection of printed ephemera. Items chosen centred on political prints and soap ephemera, amounting to between 2,300 and 3,200 images. Material was selected because of its importance in social history and its attractiveness (the soap collection could lead to a printed publication). Items are being scanned at various resolutions.
Welcome to GBVsearch&order

Union Catalogue (GVK)

You are accessing the Union Catalogue (GVK) of seven German States participating the Common Library Network (GBV).

This multimaterial bibliographic database covers the holdings of over 15,3 million records of more than 400 GBV member and associated libraries with over 32 million separate catalogue entries of books, conference proceedings, periodicals, dissertations, microfilms and electronic resources. The periodicals catalogue of subito and some other German libraries has also been integrated.

Access is free of charge.
All title holdings can be ordered by Online Inter Library Loan or GBVdirekt / subito document delivery service.
Your command was:

search (and) (author <AUT>) pieck, julius

There are 4 hits.
These are hits 1 - 4.


Download

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There are 4 hits.
This is hit 1.

Title: Von Hamburg nach San Francisco: eine sechswöchentliche Urlaubsreise / von Julius Pieck. - Berlin : Stillke, 1892

Collective title: Reisebeschreibungen der Niedersächsischen Staats- und Universitätsbibliothek Göttingen
Full text/Image: Display entire document: free access!

Availability information institutes

> <7> Göttingen, Niedersächsische Staats- und Universitätsbibliothek

Please note that not all material is available for loan.

Download  Save
Von Hamburg nach San Francisco
Pieck, Julius

Eine Urlaubsreise
von, Julius Pieck.
Cross-Institutional, e.g. subject based

Integrated Access
The Jahrbuch Project

Electronic Research Archive for Mathematics
(ERAM)

The project provides a digital archive of the most important mathematical publications of the period 1868-1942 and a database based on the

"Jahrbuch über die Fortschritte der Mathematik"

- Project Information
  - the background of the project
  - the aim of the project
  - a description of the project
  - persons and institutions involved
  - the first page of the JFM and the preface of the editors
  - history of JFM (volume 33, 1863)
  - example: scanned article at the SUB Göttingen
  - example: scanned book at the digital Library of Cornell
  - example: scanned article by the project "Gallica" (Bibliothèques nationales de France)

- The Database
  - SEARCH in the database (2085 links to facsimiles in Göttingen, Cornell, Paris, Linz, corrected data up to 1907)
  - HELP for Searching
  - CONTENT of the database

Wanted: Mathematicians editing the "Jahrbuch" data! Please look at the project description and contact the project management.

Last modified: 26.07.2001    jfin@zblmath.fiz-karlsruhe.de
The Oxford Digital Library

Transition: from projects to a core Service of Oxford University Libraries, centrally organised and set up

⇒ From projects to programme
The ODL Core Team Today

Unit within the OULS System and Electronic Resources Service (SERS)
⇒ Richard Mawby, Administrator
⇒ Richard Gartner, Metadata
⇒ Alexander Huber, Metadata
⇒ James Allan, Digital Imaging
⇒ Anne Rawlings, Database Designer and Programmer
⇒ Norbert Lossau, Head

PLUS OULS Imaging Service
Activities first year of ODL

⇒ Central digital image production service (OULIS)

- Evaluation and purchase of new digital scanning back (*Betterlight 8K-2*)
- Purchase and set-up of bookscanner for black&white, greyscale scans (*Zeutschel Omniscan 7000*, 600 dpi resolution, motorized book cradle)
- Purchase of a new highly versatile bookcradle ("Grazer model")
- Standards (colour management, colour profiles)
- Review and revision of the production workflow
- Automatic image processing and data transfer scripts
Activities

⇒ Oxford Digital Library/Development Fund – 1st Call for Proposals 2001/2002
⇒ 5 major, 3 pilot digitisation projects
The ODL Development Fund

Major Projects

⇒ Political Prints from the Curzon Collection, 1803-1808
⇒ 18th century entertainment (ephemera, prints and contemporary newscuttings)
⇒ Cobbett’s Parliamentary History
⇒ Historic Photographs taken by Sarah A. Acland
⇒ Key 17th to 19th century geological literature
The ODL Development Fund
Pilot Projects

⇒ Full text recognition for Bodleian Broadside Ballads
⇒ Oxford Digital Library for Forestry
⇒ Flora Graeca 2000
The ODL Development Fund

Second call expected for October/November 2002, c. £170,000
Other digital projects

⇒ RLG – History of Science and Technology Digitisation (Bodleian Library, SPCWMSS, Oriental Collection)
⇒ Heritage Lottery Fund – Digitisation and digital presentation of “The Book of Strange Arts and Visual Delights” (Bodleian Library, Oriental Collection)
⇒ Several projects pending
**Activities ongoing**

⇒ Providing ODL digital projects with overall support throughout the project time
⇒ Giving advice to upcoming digital projects during the application process
⇒ International collaborations – FEDORA (University of Virginia Library, Cornell University etc.), EEBO-TCP, METS – International Editorial Board
⇒ Initial planning for the Digital Library System
Activities ongoing and future

→ Publishing guidelines for digital projects on the ODL website
→ Participating in national and international DL working groups, conferences etc.
ongoing

Activities
⇒ Meetings and Liaison with other Oxford University’s services/institutions (Learning Technologies Group, Office for Online and Distance Learning, TALL, Oxford Internet Institute)
Services provided by ODL to projects

⇒ Establishing the ODL website as a "first point of reference" for all issues regarding the process of metadata capture, digitization etc
Digital Initiatives at Oxford University

Collections Available Online

1. Ashmolean Museum
   Bridgeman Art Library & Allen Photopahy Archive
2. Beazley Archive
   A Database of Athenian Pottery; Beazley’s Drawings; the Cast Collection; and Ancient Gems and Finger-rings
3. Bodleian Library
   John Johnson Collection
4. Bodleian Library
   Bodleian Broadside Ballads Project
5. Bodleian Library
   Celtic and Medieval Manuscripts or ‘early Manuscripts at Oxford’
6. Bodleian Library
   Medieval and Renaissance Manuscripts Acquired since 1916
7. Bodleian Library
   Toyota City Imaging Project
8. Computing Services
   Oxford Text Archive
9. Faculty of Literae Humaniores
   Centre for the Study of Ancient Documents
10. Humanities Computing Unit
    Wilfred Owen Multimedia Digital Archive
13. Queen Elizabeth House
    Refugee Studies Programme Digital Library Project

Development Fund Projects (see for explanation)

1. Bodleian Library (John Johnson Collection)
   18th century Entertainment Ephemera
2. Bodleian Library
   Full text recognition of Bodleian Broadside Ballads (Pilot Project)
3. Department of Plants Sciences
   Flora Graeca 2000: Improving access to Oxford’s finest botanical treasure – Demonstration Project
4. Department of Politics and International Relations
   Prints from the Curzon Collection: images of Napoleon and British fears of invasion, 1799-1815
5. Oxford Forestry Institute (Department of Plant Sciences)
   Oxford Digital Library for Forestry - Demonstration Project
6. History Faculty Library
   Cobbett’s Parliamentary History
7. Museum of the History of Science
   Acland Image Archive
8. Museum of Natural History
   Key 17th, 18th and early 19th century geological literature related to the Collections of the Oxford University Museum of Natural History and the early development of the English School of Geology
## General Information

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**Short description or summary**

The initial project will see the digitisation of all 36 volumes of Cobbett's Parliamentary History, a major source for eighteenth century historians, providing online access to it initially as a stand alone database. A further development would see it also forming one element within a group of related databases offering access to a range of parliamentary source materials sharing a common interface. This later stage would be done in close cooperation with the House of Commons Library which is hoping to start work in the near future on a project to digitise volumes of Hansard from 1803 onwards, and with the History of Parliament Trust which has plans to digitise the Commons and Lord Journals, and also with SCOPCRIS that wishes to digitise Stella Lambert's index and collection of Sessional Papers and numerous nineteenth and twentieth century sessional papers.

## Collection Description

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**Contact Details**

- Miss Valerie Lawrence
  - valerie.lawrence@history-library.ox.ac.uk
- Deputy Librarian
- History Faculty Library
- Broad Street
- Oxford
- OX1 3BD
- UK

**URL**

- N.A. at present

**Record updated**

- 20.06.2003
Services provided by ODL to projects

⇒ Advice and support throughout the running time of the project, e.g.

- Liaison with technical services over production of MARC records for OLIS
- Analyses of metadata needs and mapping to ODL metadata scheme
- Metadata capture: providing tools and training in use of ODL metadata systems (Dublin Core, EAD, METS in XML)
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Services provided by ODL to projects

⇒ Central digital image capture
⇒ Open digital library system with persistent online addresses to enable linking from external applications
⇒ Central long-term maintenance of digital data and online access
Planning and running a digitisation project within and for the ODL ... ODL-planningscheme.ppt
Content Selection

⇒ Collaboration of scholars and librarians!
⇒ Use traditional inventories and their descriptions of collections e.g. bibliographies, catalogues
⇒ Assess scholarly relevance
⇒ Evaluate local and remote demand for the materials
⇒ Other
Evaluation of physical items

⇒ Assess physical condition (e.g. level of deterioration) and give recommendations for scanning (e.g. restrictions on opening the object)

⇒ Check items for completeness and correct sequence of pages (e.g. in particular for journals)

⇒ Identify special characteristics of items (e.g. oversize formats, illegible letters) and list items in a separate inventory

⇒ Discuss special scanning requirements with ODL Digital Imaging Adviser (for specific objects, e.g. paintings)

⇒ Explore options of using other copies where necessary (consulting library colleagues)
Preparations of items prior to scanning

⇒ Quantify different types of scanning required (e.g. bitonal – black & white, greyscale – continuous tone, colour)

⇒ Identify and mark special scanning requirements for pages within items (e.g. tonal or colour illustrations within text books, fold-out maps)
Enhancing Access or Metadata Capture

⇒ format specifications provided by ODL/OU LS

⇒ Create bibliographic descriptions (short versions will be used during the scanning process in the TIFF header of the archival master image)

⇒ Create structural metadata (e.g. for chapter headings of text books, concordance of digital image - logical (i.e. printed) page numbers)
Digital Image Capture

- Further digital image processing
- Storage / Archiving

⇒ Central Service ODL/OULIS
Delivery  ➞ Central Service ODL (OULIS)

- Standard - Online (standard web browser, working copy)
- Optional (charged service for customers, possibly royalties for copyright holders)
  - Offline (e.g. digitised historical book on CD-R)
  - Hardcopy (printout, range of quality options)
  - High quality for e.g. scholarly publication
  - ...

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Major Activities

Short and Mid-term prospects

⇒ Digital Library System
⇒ Promotion of further digital projects
⇒ Advice and support for current projects
⇒ Long-term archiving of digital data
⇒ First concrete projects involving online learning activities (in collaboration with e.g. LTG, TALL)
⇒ Monitoring use of the digital material (potential collaboration with other University Departments)
Major Activities

Long-term prospects

⇒ Seamless online access of all electronic material (digitised and born digital)
⇒ Creation of ONE electronic working place for research and teaching (Online Library Catalogue, Digital Library System, VLE system)
Digital Library System

⇒ Drafting specs for the Digital Library System
  - Preparing internal expert workshop at Oxford
  - Preparing workshop with system suppliers
⇒ Testing, developing and installing DL system
Oxford Digital Library System – Current, temporary solution

University of Michigan Library – DLXS system (also mirror for EEBO-TCP)
Oxford Digital Library System - Main Architecture

- Open, modular and scalable system – NO black box
- Preferably platform independent
- Comfortable API support
Oxford Digital Library System - Main Architecture

⇒ Discovery Services
⇒ Delivery Services
⇒ Content Management
⇒ Access Management
⇒ Repository Management
Digital Library System

Potential Discovery Services

- Library Catalogue(s)
- Digital Library system (i.e. document server, image database system)
- Subject specific databases, HUMBUL
- Faculty web sites
- Learning/Teaching applications
- Web search engines
- Metadata gatherer (e.g. using the OAI protocol)
- Other specific portals
Digital Library System

Discovery Services

⇒ Key issues for the system

- To be open for external object linking
- To handle persistent identifiers (e.g. URN, DOI)
Digital Library System

Delivery Services

- Open to handle all kinds of digital objects (single, structured, images, full text, audio, video)
- Flexible GUI - some requirements (search/browse facilities, use of authority files, profiling of interfaces for single collections)
Digital Library System

Content Management

- Comfortable (graphical) administration client
- Variety of import - export formats
- Flexible import – export of data (manual and batch, all-in-one and partial)
- Version tracking
- Supports creation of offline versions (e.g. writing digital objects in a specified format on CD)
Access Management
- Digital Rights Management
- Authentication
- Security
Repository Management

- Storage, long-term archiving (e.g. handle standard archival description schemes, different versions of one object)
- Statistical reports