



# The National Library of Australia's new discovery service

Annual RLG Partnership Meeting  
2 June 2009

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National Library of Australia







## NLA mandates

- Build and manage the world's best collection relating to “Australia” – containing both analog and digital resources
- Provide researchers and the public with access to this collection
- Facilitate national access to all Australian collections [eg by aggregating metadata]
- Work with others in Australia and overseas [eg on policies, projects, standards, software]



# Three major projects

- “Dealing with the Digital Deluge”
  - Collaboration with National Archives, National Film & Sound Archive
- “Getwise”
  - Gain Efficiencies Through Workflow Investigation and System Exploration
- “Single Business Discovery Project”



# “Facilitate access to Australian collections”

- Libraries Australia
  - bibliographic utility (since 1981)
  - holdings now synchronised with WorldCat
- Free discovery services:
  - Picture Australia
  - Music Australia
  - Australian Research Online
  - Australian Newspapers Beta
  - PANDORA search service
  - others

# NATIONAL LIBRARY OF AUSTRALIA



## PICTURE AUSTRALIA

Search

Picture trails

News

To contribute



- Search great cultural institutions for Australian images.
- See pictures of Australia's past and present including: photographs, objects, maps and works of art.
- Request print quality copies.

### Find pictures of

search

[more search options](#)

Indigenous Australians are advised that Picture Australia may include images or names of people now deceased.



### Re-Picture Australia

Access [public domain images](#) from our [participants](#), ready for you to download, mash-up and reload with new meaning into Picture Australia via our new [Flickr group](#). Please read the *Re-Picture Australia* [instructions](#) for more information. [Media Release](#)

### Picture trails

Flip through our [themed albums](#).



Art & culture



Geography & Environment

### Latest News

Our 'Outstanding Contributor' award winner for April is [Darren Stones](#).

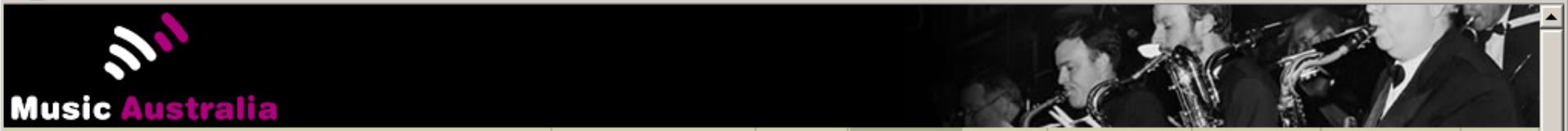
[International Nurses Day](#) celebrates the birth of Florence Nightingale, a pioneer of the profession, who was born on 12 May 1820.

[More news](#)

### Add your images

[Upload your photos into Flickr](#) and then see them on Picture Australia!






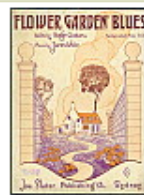





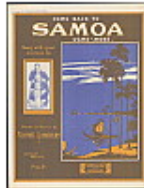
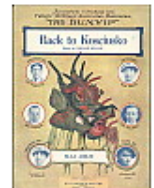









You are here: Themes

### Australian music themes

Don't know where to start? Explore highlights of Music Australia. If you have a suggestion for a particular theme, please [let us know](#).

 ARIA Awards	 Musical Treasures	 Popular music	 ABC Concert online	 Rock 'n' roll	 Flora
 Indigenous music	 Bush and beach	 Children	 Dance music	 Instruments and instrumentalists	 Music from many lands
 Back to frontiers	 Dawn of Kosciusko	 The Lady Aviator	 Religious music	 Five Stubbs	 Keep Your Tail Up Kangaroo

# Search Results

Search

Your search on **keyword:climate change** found these results. **1 to 10 of 1663** records in 3.26s

Order by: **Relevance** Title Institution Creator Year Subject Type

First **1** 2 3 4 5 6 7 8 9 10 Next Last

## Climate change impacts and coastal planning in the Sydney greater metropolitan region

Hebert, Kristen, Taplin, Ros; Macquarie University  
2006; journal article  
[climate change, Sydney](#)

### Description

Considerable information is available on the global impacts of coastal climate change. However, on a country-scale, and even more importantly, on a local and community-scale there exists significant data uncertainties and insufficiencies. The Sydney Greater ...  
[more](#)

save citation   
full views 9  
citation viewed 3

## The impact of projected greenhouse gas-induced climate change on the Australian wine industry

Webb, Leanne Beryl; Australasian Digital Theses Program, The University of Melbourne  
2006, 2007; PhD thesis  
[wine, climate change, phenology](#)

### Description

The IPCC Third Assessment report (IPCC 2001 a) concludes that Australia has significant vulnerability to the changes in temperature and rainfall projected over the next decades to 400 years. Agriculture and industry

save citation   
full views 34  
citation viewed 1

## Narrow Search

### Institutions

- [Australasian Digital Theses Program](#) (362)
- [Australian National University](#) (35)
- [Australian Policy Online](#) (103)
- [Bond University](#) (5)
- [Central Queensland University](#) (26)
- [Curtin University of Technology](#) (13)
- [Deakin University](#) (23)
- [Defence Science and Technology Organisation Scientific Publications Online](#) (7)
- [Flinders University](#) (5)
- [Griffith University](#) (80)
- [James Cook University](#) (51)
- [Macquarie University](#) (55)
- [Monash University](#) (7)
- [Murdoch University](#) (14)
- [PORTAL: Journal of Multidisciplinary International Studies](#) (1)
- [Public History Review](#) (1)
- [Queensland Primary Industries and Fisheries eResearch Archive](#) (17)
- [Queensland University of Technology](#) (82)
- [RMIT University](#) (3)
- [Reviews in Australian Studies](#) (3)
- [Southern Cross University](#) (18)
- [Swinburne University of Technology](#) (52)





## REFINE SEARCH

## by Title

[The Canberra Times](#) (4)

[Argus \(Melbourne, Vic.\)](#) (1)

[Hobart Town Courier](#) (1)

## by Category

[News](#) (6)

## by Illustrated

## by Decade

[1820-1829](#) (1)

[1930-1939](#) (2)

[1940-1949](#) (2)

[1950-1959](#) (1)

## by Word Count

[≤ 100 words](#) (1)

[100-1000 words](#) (4)

[≥ 1000 words](#) (1)

## SEARCH RESULTS

Results 1 - 6 of 6 for "duke university"

[Refine search](#)
Sort by 

- [TAX CLAIM ON HEIRESS FAILED](#) WASHINGTON, Tuesday.  
*The Canberra Times* Wednesday 30 January 1946, page 2. News 48 words  
 ... TAX CLAIM ON HEIRESS FAILED WASHINGTON, Tuesday. The Supreme Court a claim by the Hillsborough Council for nearly 14 million dollars in taxation from the tobacco heiress Doris **Duke** Cromwell, as trustees of the **Duke** Endowment, established by her father for the benefit of the **Duke University**, 8'...
- [RICHEST HEIRESS](#) AMERICAN GIRL COMES OF AGE Succeeds to 50 Million Dollars  
 NEW YORK, Tuesday.  
*The Canberra Times* Thursday 23 November 1933, page 4. News 132 words  
 ... trustee of the **Duke" University** fl[ North Caiolina to which ner tattler gave 40,000,000 dolalrs,\ provided the original name of Trity **University** WM changed to "**Duke** 't 1 i At his death, the total ... Tuesday. , On attaining her majority to-morrow June Doris **Duke** will Inherit a fortunes of approximately...
- [DUKE TO OPEN UNIVERSITY HOUSE](#)  
*The Canberra Times* Saturday 14 November 1953, page 2. News 186 words  
 ... **DUKE TO UNIVERSITY HOUSE** The **Duke** of Edinburgh will open **University** House on February ruary 16 during the Royal Visit to Canberra next year. The Vice-Chancellor of the Australian National **University**, Mr. Melville, announced yester- day that the **University** was greatly honoured that. the **Duke** was to...
- [DAILY DIGEST](#) SPAN OF LIFE  
*Argus (Melbourne, Vic.)* Tuesday 24 April 1945, page 4. News 287 words  
 ... DAILY DIGEST Compiled by A.L.B SPAN OF A.L.B Prof Hornell Hart and Miss Hilda Hertz, of **Duke University**, find the average expectation of life at birth in progressive European and Ameri- can countries a good index in an article in the American Sociological Review. They refuse to accept 70 or 75...
- [TELEPATHY](#) Doctor's Claim Proved REMARKABLE EXPERIMENTS.  
*The Canberra Times* Monday 27 May 1935, page 2. News 841 words  
 ... dowed **Duke University**. It was not until Dr. Rhine had con- ducted "nearly 100.000 careful experi-

# These are legacy systems

- All developed in-house
- Mostly based on TeraText from SAIC
- Our direction is to integrate these services and move them to SOLR/Lucene platform



# IT Architecture report

- Released March 2007
- <http://www.nla.gov.au/dsp/documents/itag.pdf>
- Service Oriented Architecture
- Single Business approach
- Changed emphasis on open source

# The Prototype

- [Library Labs wiki](#)
- [Discovery prototype](#)



## Data for the discovery service

- Australian library catalogues
- Full text of digitised items
- Full text of web archives
- Metadata from university repositories
- Metadata describing digitised pictures
- Journal article metadata
- Finding aids and summaries



# Some technical details

- Developed by NLA Project Team using:
  - Java programming language
  - SOLR/Lucene for indexing
  - MySQL for record clustering
  - Jetty and Restlets as the HTTP container
  - Freemarker as the templating language

# Why not Google?

- Are trying unsuccessfully to get Google to harvest 100% of our metadata
- We want to preference Australian collections in the ranking
- We want the user to experience our facets, delivery interfaces, annotation interfaces

# What's next?

- Absorb comments, feedback
- Implement in late October 2009
  - Decommission some of the legacy services
- Priority improvements to the Australian Newspapers view
- Major extension to expand access to journal articles and e-resources (TBC)





# Questions?