Present and Future Services for the Digital Library

Searching, Linking, and Meta Tags

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Opportunities & Challenges

- New access to library material
- Reach a larger audience
- Internet access
 - World-wide audience
 - Local access at home and work
- Difficulties
 - Access and discovery
 - Changing technology

Search Engines

Primary finding tool But miss many digital collections

Ignore most meta tags

Dependent on link patterns



Digital Library Services Should Consider

Actual current meta tag handling
Potential future meta tag handling
Exploring search engines limitations
Implement alternate finding strategies



Searching Digital Libraries

Literature focus on

Internal search

Gustman 2002

Specialized search of groups

Detlor and Arsenault 2002

Petinot, et. al. 2003

Distributed digital library

Nicholson and Shiri 2003

Very important for local users

But very different from general Web search engines



Search Engine Accessible

- No password or IP limit
- Not blocked by robots.txt
- No noindex meta tag
- Linked from elsewhere



No Robots

- robotstxt.org/wc/robots.html
- /robots.txt file (root directory) User-agent: *
 - Disallow: /
- No robot meta tag
 In header

<META NAME="ROBOTS" CONTENT="NOINDEX, NOFOLLOW">



Consider two access points

1. Home page

Include metadata for collection

Every page for each individual record Many more, so may be found more Each page may become the entry point to the collection



Example 1: Emma Goldman Papers



About the Project | Overview of Resources | Publications | Primary Documents | Online Exhibit Emma Goldman and the Project in the News | Supporting the Project | Feedback



EMMA GOLDMAN (1869-1940) stands as a major figure in the history of American radicalism and feminism. An influential and well-known anarchist of her day, Goldman was an early advocate of free speech, birth control, women's equality and independence, and union organization. Her criticism of mandatory conscription of young men into the military

during World War I led to a two-year imprisonment, followed by her deportation in 1919. For the rest of her life until her death in 1940, she continued to participate in the social and political movements of her age, from the Russian Revolution to the Spanish Civil War.

PROJECT NEWS:

HOLIDAY LETTER. Read the 2003 holiday letter from the Emma Goldman Papers.

EMMA GOLDMAN PAPERS IN THE NEWS. Read the *New York Times* article from 14 January 2003.

Individual Record Indexed (& Linked)

Letter from Harry Weinberger to Emma Goldman

http://sunsite.berkeley.edu/Goldman/Features/harry.htm

Harry Weinberger to Emma Goldman, July 12, 1919

[New York] July 12th, 1919

My dear E.G.:-

What your nephew suggests can be done, but it will not gain any results or be of any avail. I h father correct, that is, first 89, second 94, but the 94 date is the one that counts, and minors, twenty-one are only benefitted by it. I think, however, that we can rely on Kersner. I have sp three days this week, finishing up the law on that end, and though the thread is weak, it may h have to take into consideration the prejudice that we will meet, though that itself may even be snapping the thread will appear like persecution and not like law.



In or Out of Search Engines?

Home Page In

alltheweb				advanced search :: customize preferences :: submit site			
				Pali Text Society's Pali-English Dictionary			
🔹 🗢 😑 find it all 으 🔍 🔹 Results in: 💽 Any Language 🔘 English, Russian							
Web	News	Pictures	Video	Audio	FTP files		
1 - 100 of 405 Results for Pali Text Society's Pali-English Dictionary Offensive conter							

Pali-English Dictionary (sponsored)

By T. W. Davids. Buy now for \$52.95. Read product reviews.

http://www.amazon.com

The Pali Text Society's Pali-English Dictionary

… London. The Pali Text Society's Pali-English dictionary. Chipstead, 1921-1925 … i The Pali Text Society's Pali-English dictionary have been applied … database. The P Society's Pali-English dictionary has many accented …

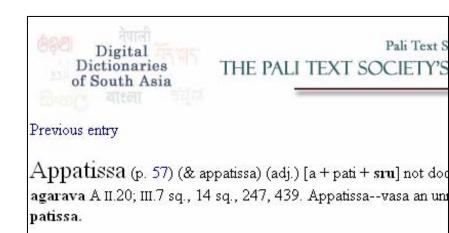
Description: Online version of The Pali Text Society's Pali-English Dictionary' from the Dictionaries of South Asia

more hits from: http://dsal.uchicago.edu/dictionaries/pali/index.html - 9 KB

The Pali Text Society's Pali-English Dictionary

... passages from **Pali text** is that proposed in J P T **S**. 1909, pp. 385 … Th., Halayudha Abhidhana--ratna … Childers, R. C., A **Dictionary** of the **Pali** Language, London … Jour

Individual Records Not





1. The Compilation 6s

... - As adj. in sagerava and agerava full of reverence toward (with loc.) and disrespectful; combd with appatissa and sappatissa (obedient). ... www.buddhadust.org/sutta/dn/33_sangiti/ DN33_the_compilation_6s.htm - 64

2. Quang Duc Homepage - Vietnamese - English Buddhist library ... kinh). [2] . Hán: b?t thi?n quán ? ? ?. Pali: appatissa, không thu?n tùng, không ph?c tùng, hay gây g?. [3 ... www.tuvienquangduc.net/Kinhdien/ Trungaham/trungah05-49.html - 29k - Su

3. Thu Vien Hoa Sen

... [2] Hán: b?t thi?n quán???. Pali: appatissa, không thu?n tùng, không ph?c tùng, hay gây g?. [3] Hán: b?t kính tr?ng???. ... www.thuvienhoasen.org/trungaham-05-049.htm - 26k - Supplemental Result -

4. Welcome to LotusMedia: Kinh Trung A Ham

... [02] Hán: b?t thi?n quán ???. Pali: appatissa, không thu?n tùng, không ph?c tùng, hay gây g?. [03] Hán: b?t kính tr?ng ???. ... www.lotusmedia.net/unicode/TrungAHamKinh/ TrungAHam049.htm - 18k - S

Quang Duc Homepage - Vietnamese - English Buddhist library

... kính). [2] . Hán: b?t thi?n quán ? ? ?. Pali: appatissa, .

Slide 1 không thu?n tùng, không ph?c tùng, hay gây g?. [3 ...

www.phatviet.net/kinh/Trungaham/trungah05-49.html - 25k - Supplemental R

India Presentations

Linking

- Important for getting included
- Search engine optimization
 - Aims to raise relevance scores
 - Ecommerce mostly
- Some strategies can be used by digital libraries



For example

Pali-English dictionary entries

- Not just search form
- Link each record separately from list



Titles

- Important in linking & relevance rank
- Some collections: same title on each record
- Instead, use metadata in title
 Derived from individual record



Picture Australia Collection

- Access to several picture collections
 Some use picture title as HTML title
 Others just have
 - "PICMAN Database Full Image Display"



Metadata Importance

- Internal navigation
- Internal searching
- Resource discovery
- Different from meta tags



Meta Tags

Old Advice: Use to help ranking
Now: Make no difference
Hidden in header tag of HTML
<meta name ="description" content="Text">
Dublin Core counterpart
<meta name ="DC.Description" content="Text">





Most search engines ignore and do not index any meta tags



Slide 20 India Presentations – Greg Notess



Most use was spam

- Meta tags did not reflect content
- So . . .
 - Use metadata to create visible descriptions
 - Use meta tags for internal needs



Searching, Linking, Meta Tags

- Understanding these helps digital libraries
 - Help users find resources
 - Save the time of the searcher
 - Avoids wasted effort

