LCSH, SKOS and Linked Data

Ed Summers, Antoine Isaac, Clay Redding, Dan Krech

http://arxiv.org/abs/0805.2855

[Whole Number 840

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BY

CHARLES A. CUTTER

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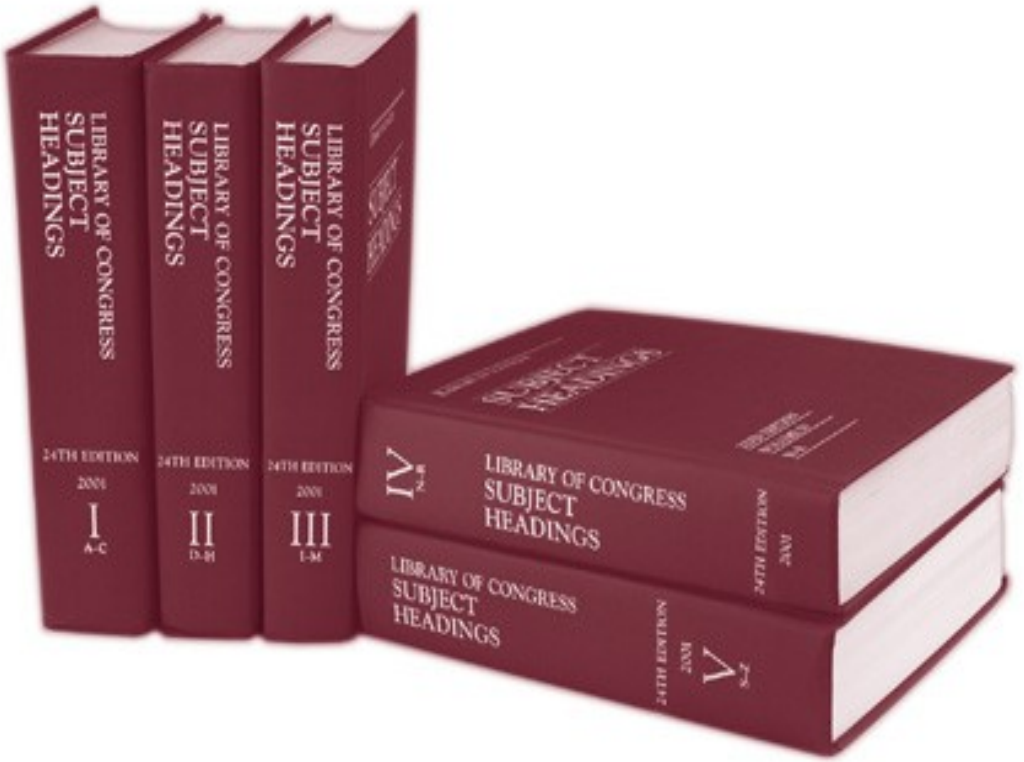
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YOU SEARCHED: Keyword (match all words) = weaving web destiny

SEARCH RESULTS: Displaying 1 of 2.

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Brief Record | Subjects/Content | Full Record | MARC Tags

Weaving the Web : the original design and ultimate destiny of the World...

Relevance:

LC Control No.: 00039593

LCCN Permalink: http://lccn.loc.gov/00039593

Type of Material: Book (Print, Microform, Electronic, etc.)

Personal Name: Berners-Lee, Tim.

Main Title: Weaving the Web : the original design and ultimate destiny of the World Wide Web by its inventor / Tim Berners-Lee with Mark Fischetti ; [foreword by Michael Dertouzos].

Edition Information: 1st pbk. ed.

Published/Created: New York : HarperCollins Publishers, 2000.

Description: ix, 246 p. : ill. ; 21 cm.

ISBN: 006251587X (pbk.)

CALL NUMBER: TK5105.888 .B46 2000

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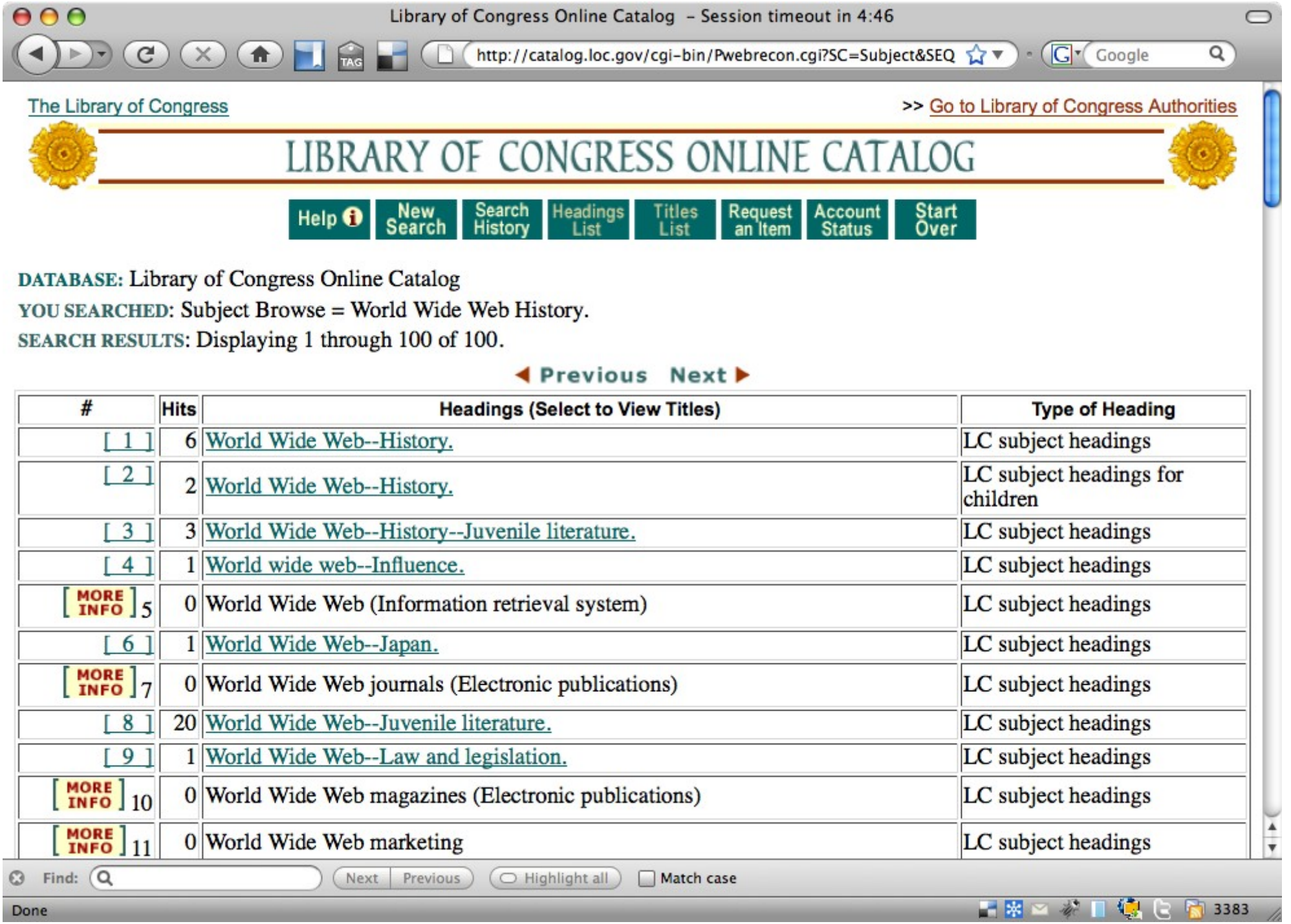
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[2] | 2 | World Wide Web--History. | LC subject headings for children
[3] | 3 | World Wide Web--History--Juvenile literature. | LC subject headings
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[MORE INFO] 7 | 0 | World Wide Web journals (Electronic publications) | LC subject headings
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[9] | 1 | World Wide Web--Law and legislation. | LC subject headings
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[MORE INFO] 11 | 0 | World Wide Web marketing | LC subject headings
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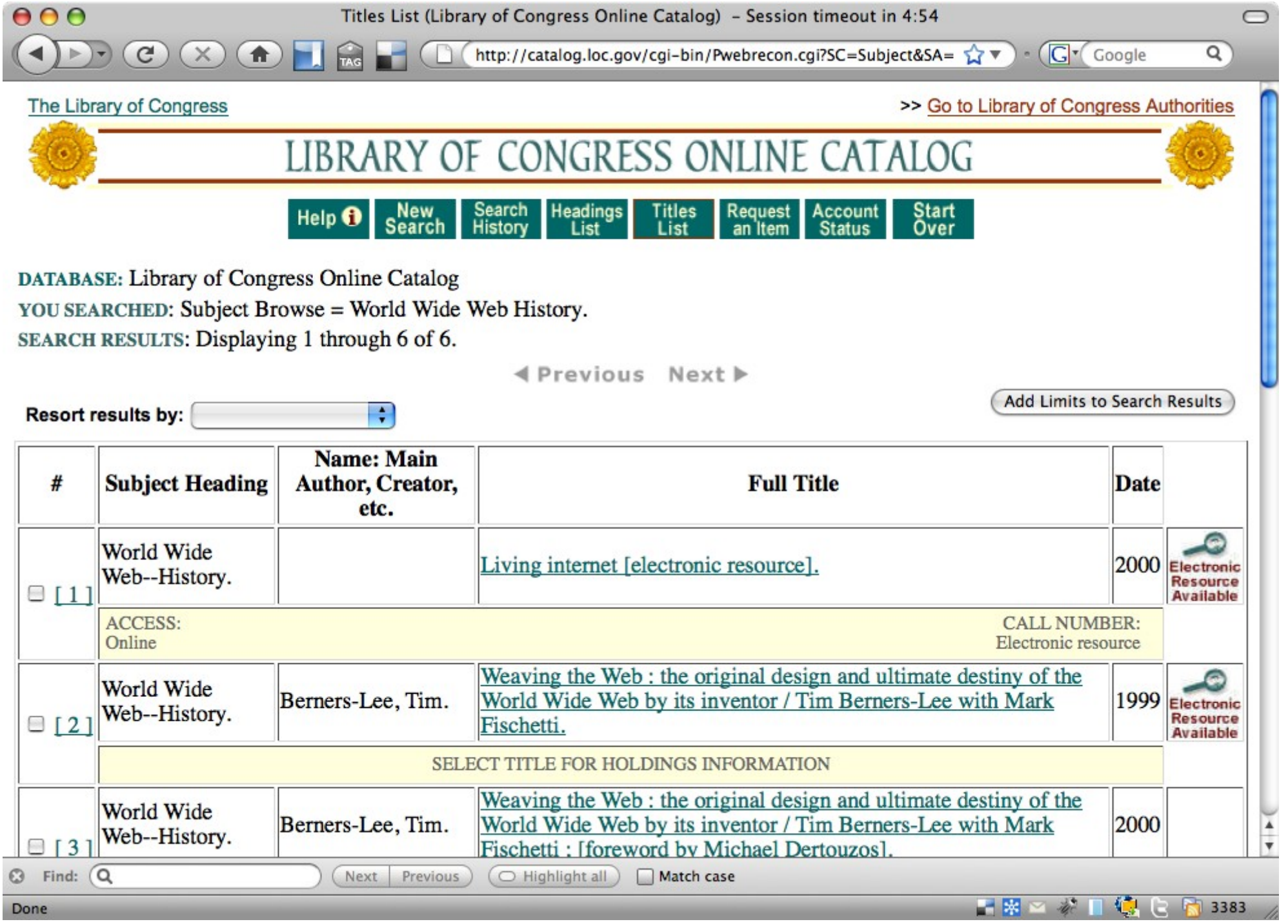
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Subject Heading Name: Main Author, Creator, etc. Full Title Date
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ACCESS: Online
CALL NUMBER: Electronic resource
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SELECT TITLE FOR HOLDINGS INFORMATION
[3] World Wide Web--History. Berners-Lee, Tim. Weaving the Web : the original design and ultimate destiny of the World Wide Web by its inventor / Tim Berners-Lee with Mark Fischetti ; [foreword by Michael Dertouzos]. 2000
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SOURCE OF HEADINGS: Library of Congress Online Catalog

INFORMATION FOR: World Wide Web.

Please note: Broader Terms are not currently available

Select a Link Below to Continue...
Authority Record
Narrower Term: Mashups (World Wide Web)
Narrower Term: Semantic Web.
Narrower Term: Web 2.0.
Narrower Term: WebDAV (Standard)
Narrower Term: WebTV (Trademark)
See Also: Internet.

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5105.888^_cTelecommunication^^ 0^_aZA4195^_bZA4235^_cInformation resources^^  ^_
aWorld Wide Web^^  ^_aW3 (World Wide Web)^^  ^_aWeb (World Wide Web)^^  ^_wnne^_
aWorld Wide Web (Information retrieval system)^^  ^_aWWW (World Wide Web)^^  ^_w
g^_aHypertext systems^^  ^_wg^_aMultimedia systems^^  ^_aInternet^^  ^_aWork cat
.: 94067520: December, J. The World Wide Web Unleashed, c1994^_b(WWW, the Web, a
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t is an interface)^^  ^_a94234135: Brown, S. The Internet via Mosaic and World W
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to run the WWW client/server software)^^  ^_aInternet publishing handbook, c1995
:^_bp. 15 (World-Wide Web system is known by its various names: WWW, W3, and Web
)^^  ^_aMAGS, Dec. 8, 1995:^_barticle by Robert M. Metcalfe (first generation of
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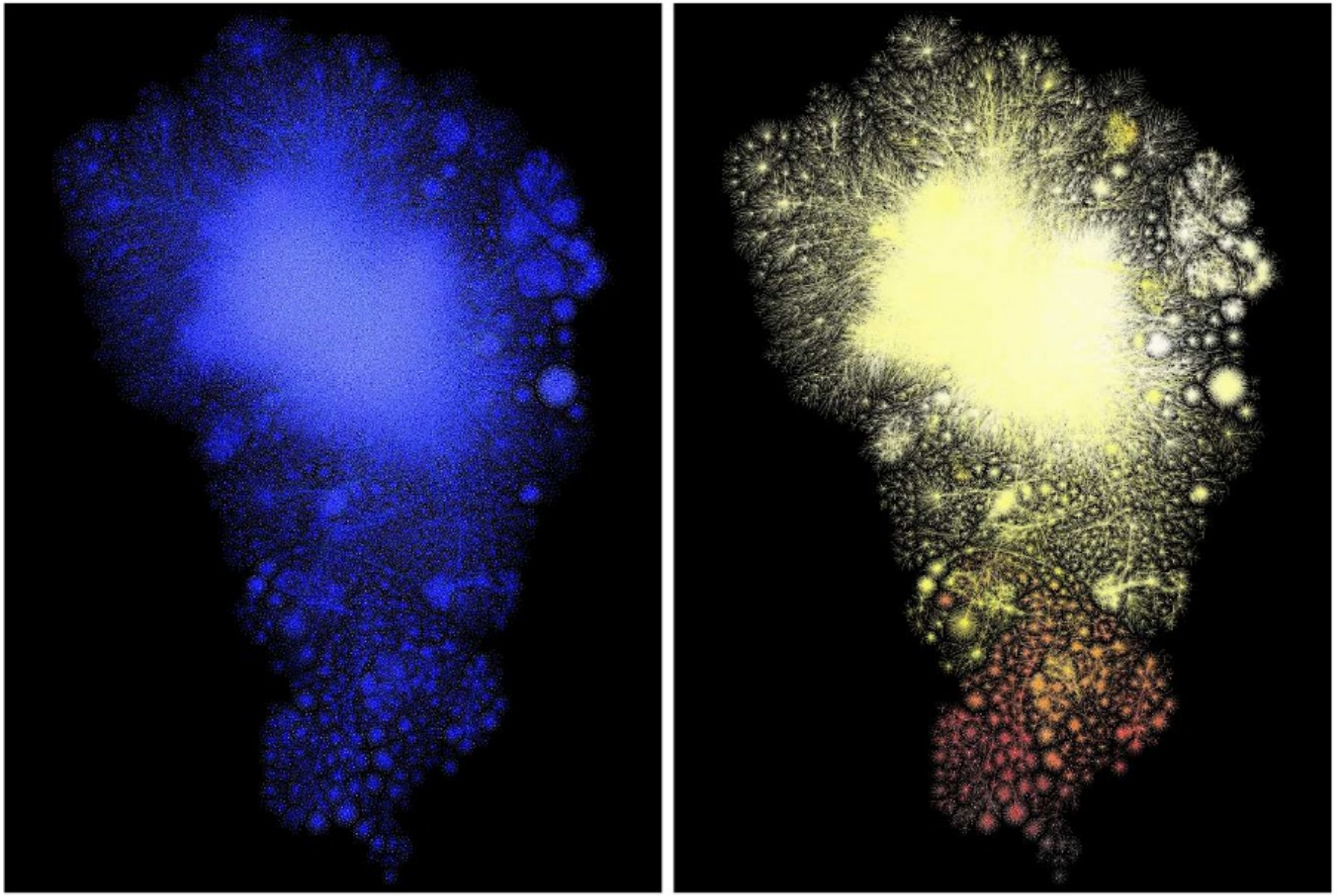
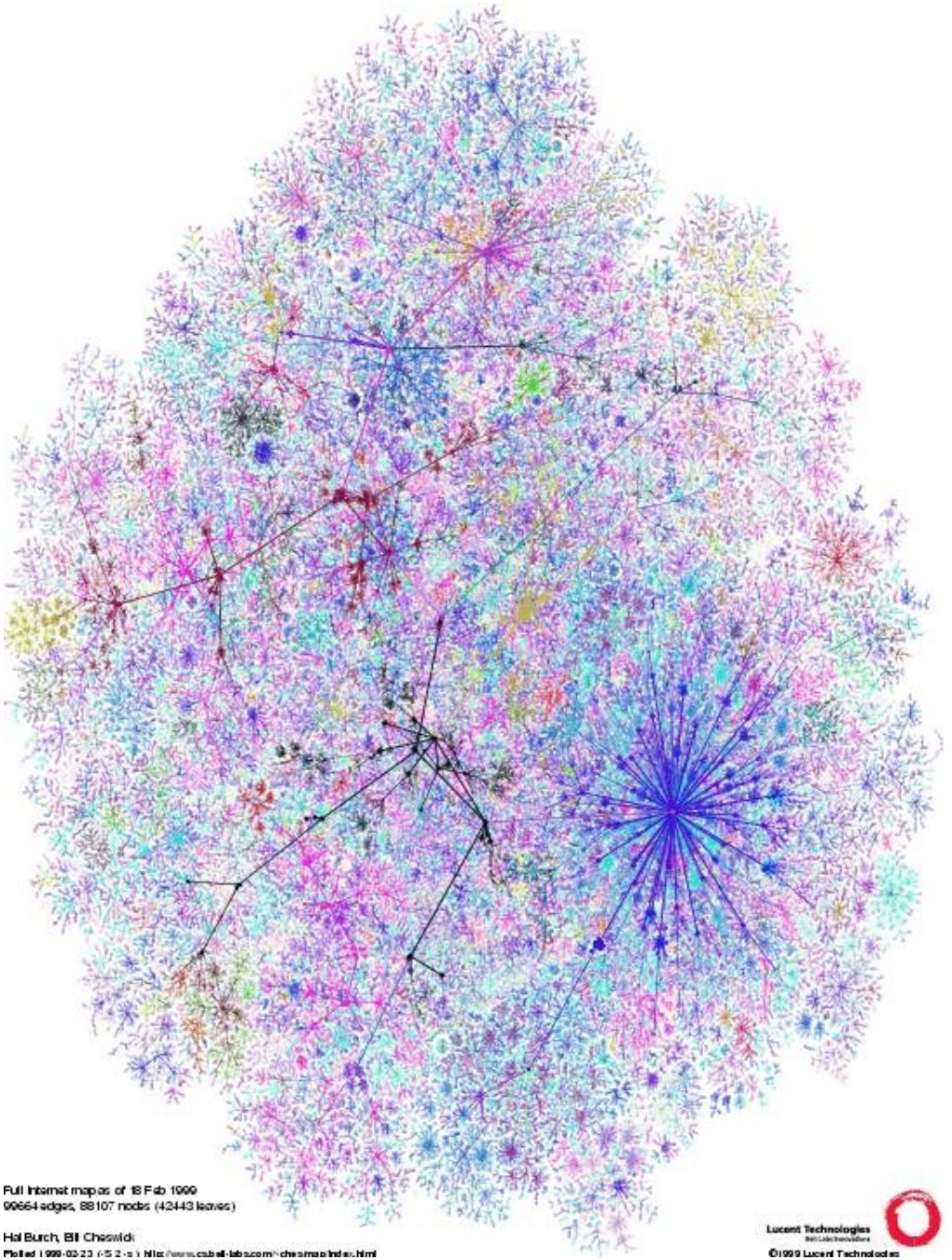


Figure 3.2: The layout computed by the lgl program shows more tangible structure. The colors of the left figure are drawn as in figure 3.1, whereas the edges in the right figures are drawn based on the distance from the root of the spanning tree used for the layout. Yellow indicates an edge close to the root and red indicates an edge far from the root. This figure shows the tree-like structure and a core-region of the LCSH graph.



Full Internet mapas of 18 Feb 1999
99664 edges, 88107 nodes (42443 leaves)

Hal Burch, Bill Cheswick
Plotted 1999-03-23 (-5 2 -1) http://www.cs.bell-labs.com/~cheswick/index.html

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Working Group on the Future of Bibliographic Control

3.1.2 Integrate Library Standards into Web Environment

3.1.2.1 All: Express library standards in machine-readable and machine-actionable formats, in particular those developed for use on the Web.

3.1.2.2 All: Provide access to standards through registries or Web sites so that the standards can be used by any and all Web applications.

3.1.2.3 LC: Begin transitioning LC-managed vocabularies to a platform that is both Web services-friendly and allows files to be downloaded for incorporation into other applications. These vocabularies include the many lists that are used in bibliographic records such as language and geographic codes, resource format codes, etc.

3.1.3 Extend Use of Standard Identifiers

3.1.3.1 LC: Generate standard Web-based identifiers for all data elements and vocabularies that LC maintains.

3.1.3.2 All: Work to include standard identifiers for individual data elements in bibliographic records, both prospectively and retrospectively, wherever such identifiers are defined, and work to identify changes in metadata carrier standards necessary to incorporate and use such identifiers.

Default

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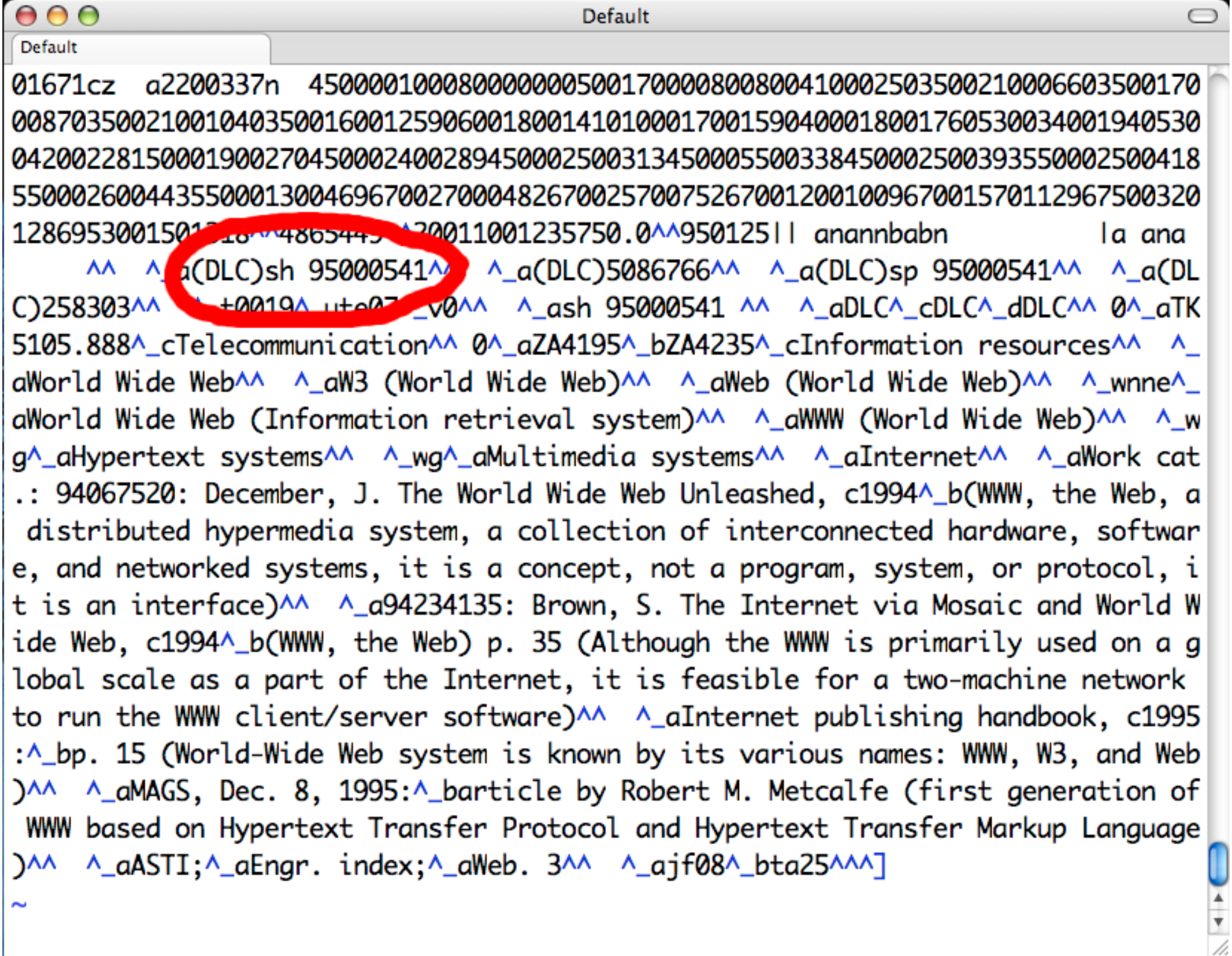

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~

http://lcsh.info/sh95000541#concept

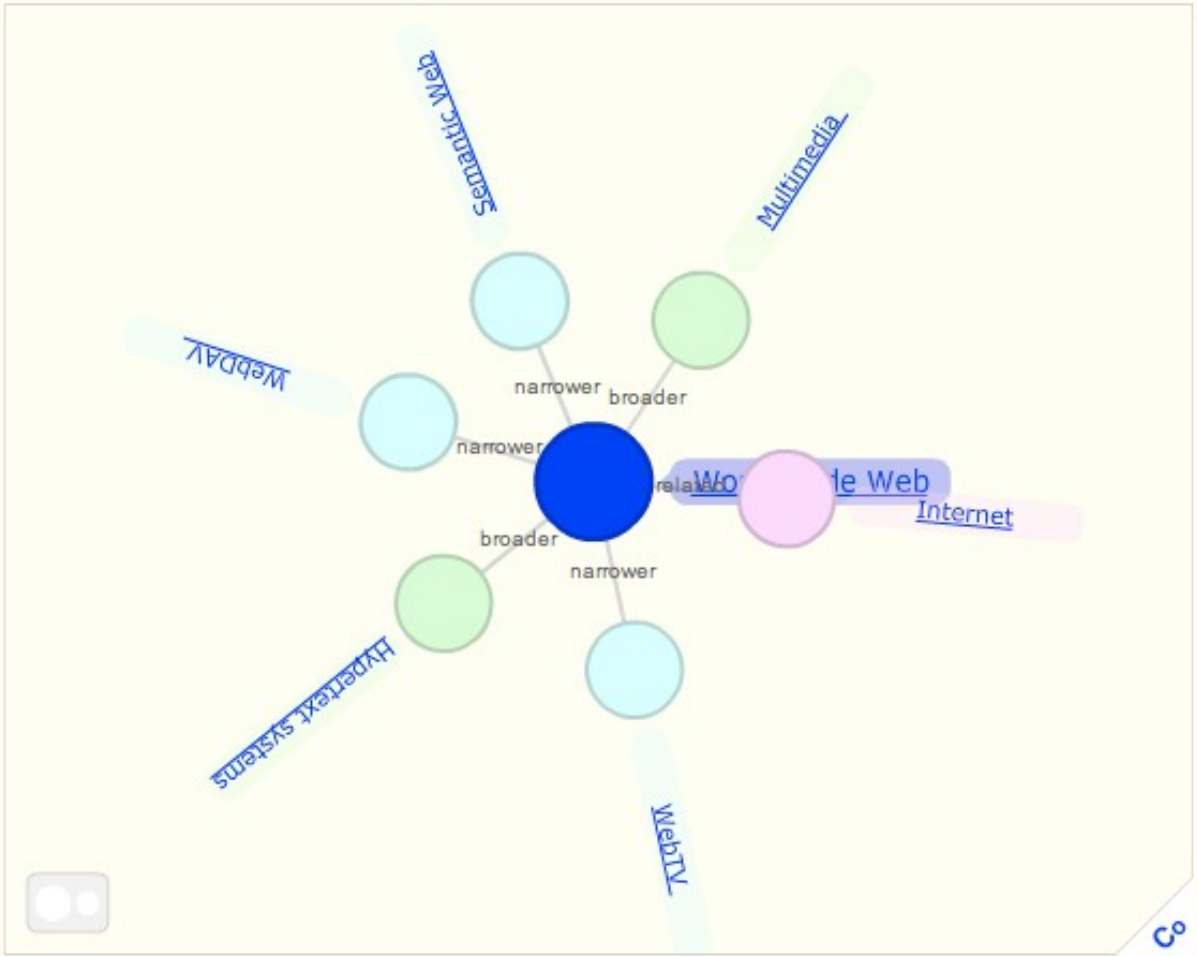
World Wide Web

Use For: W3 (World Wide Web), WWW (World Wide Web), Web (World Wide Web), World Wide Web (Information retrieval system),

Broader Terms: Hypertext systems, Multimedia systems,

Narrower Terms: Semantic Web, WebDAV (Standard), WebTV (Trademark),

Related Terms: Internet,



Editorial Notes:

- 94234135: Brown, S. The Internet via Mosaic and World Wide Web, c1994 (WWW, the Web) p. 35 (Although the WWW is primarily used on a global scale as a part of the Internet, it is feasible for a two-machine network to run the WWW client/server software)
- ASTI; Engr. index; Web. 3
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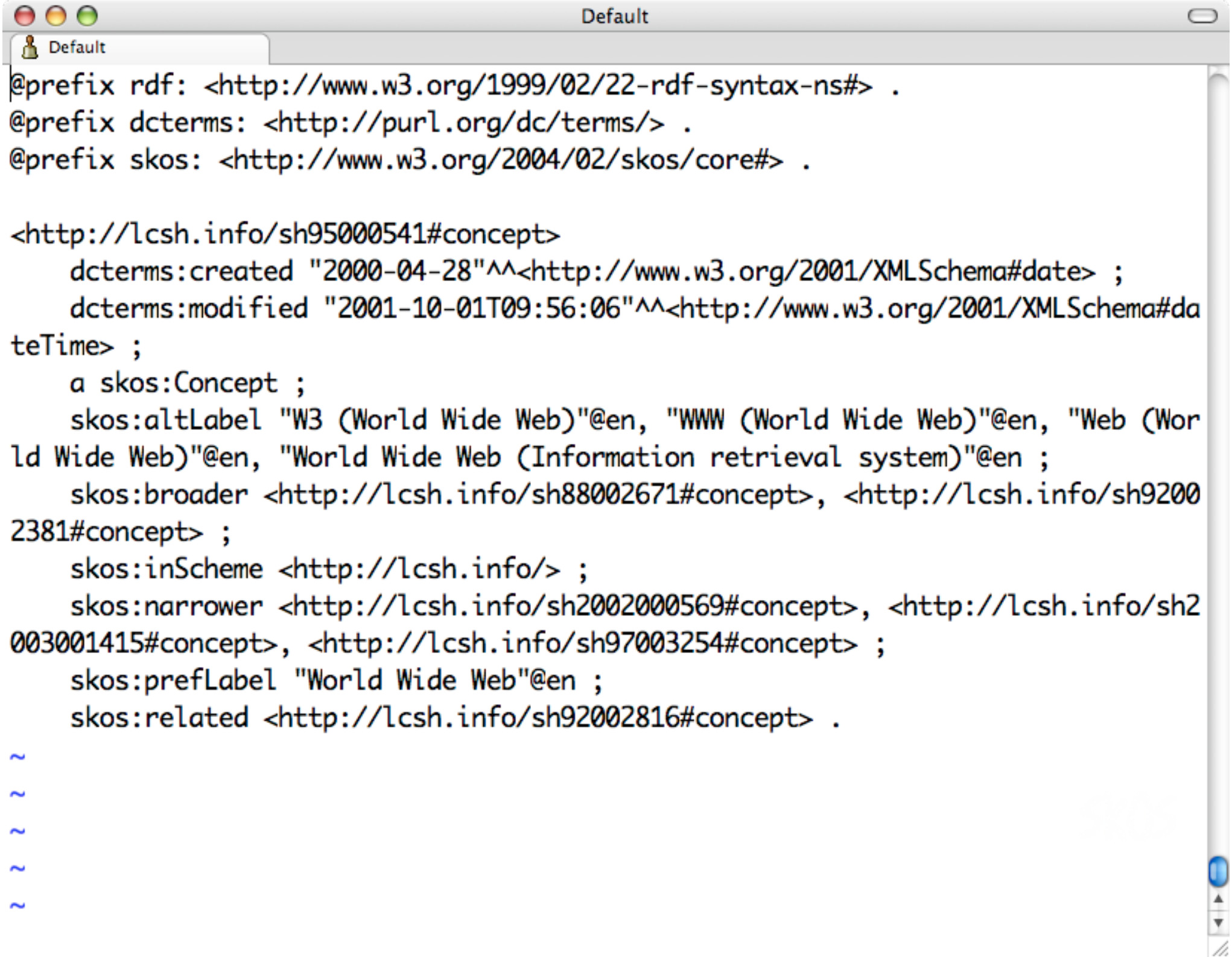
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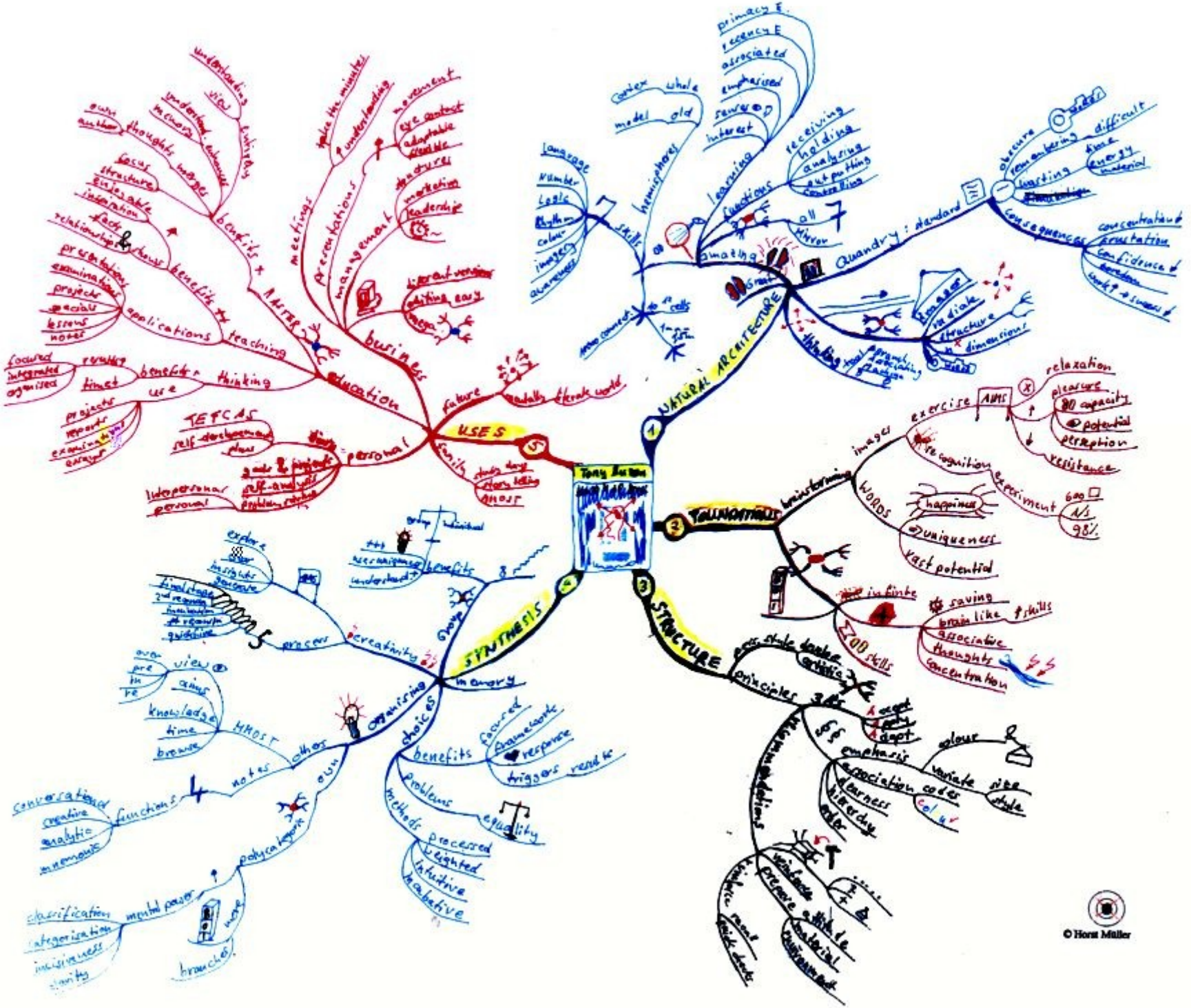
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        "World Wide Web (Information retrieval system)"@en ;
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    skos:broader <http://lcsh.info/sh88002671#concept>,
        <http://lcsh.info/sh92002381#concept> ;
    skos:narrower <http://lcsh.info/sh2002000569#concept>,
        <http://lcsh.info/sh2003001415#concept>,
        <http://lcsh.info/sh97003254#concept> ;
    skos:related <http://lcsh.info/sh92002816#concept> ;
    skos:inScheme <http://lcsh.info/#conceptScheme>.
```

001 4865449
150 _aWorld Wide Web
450 _aW3 (World Wide Web)
450 _aWeb (World Wide Web)
450 _wnne
_aWorld Wide Web (Information retrieval system)
450 _aWWW (World Wide Web)
550 _wg
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550 _aInternet
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December, J. The World Wide Web Unleashed, c1994

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```
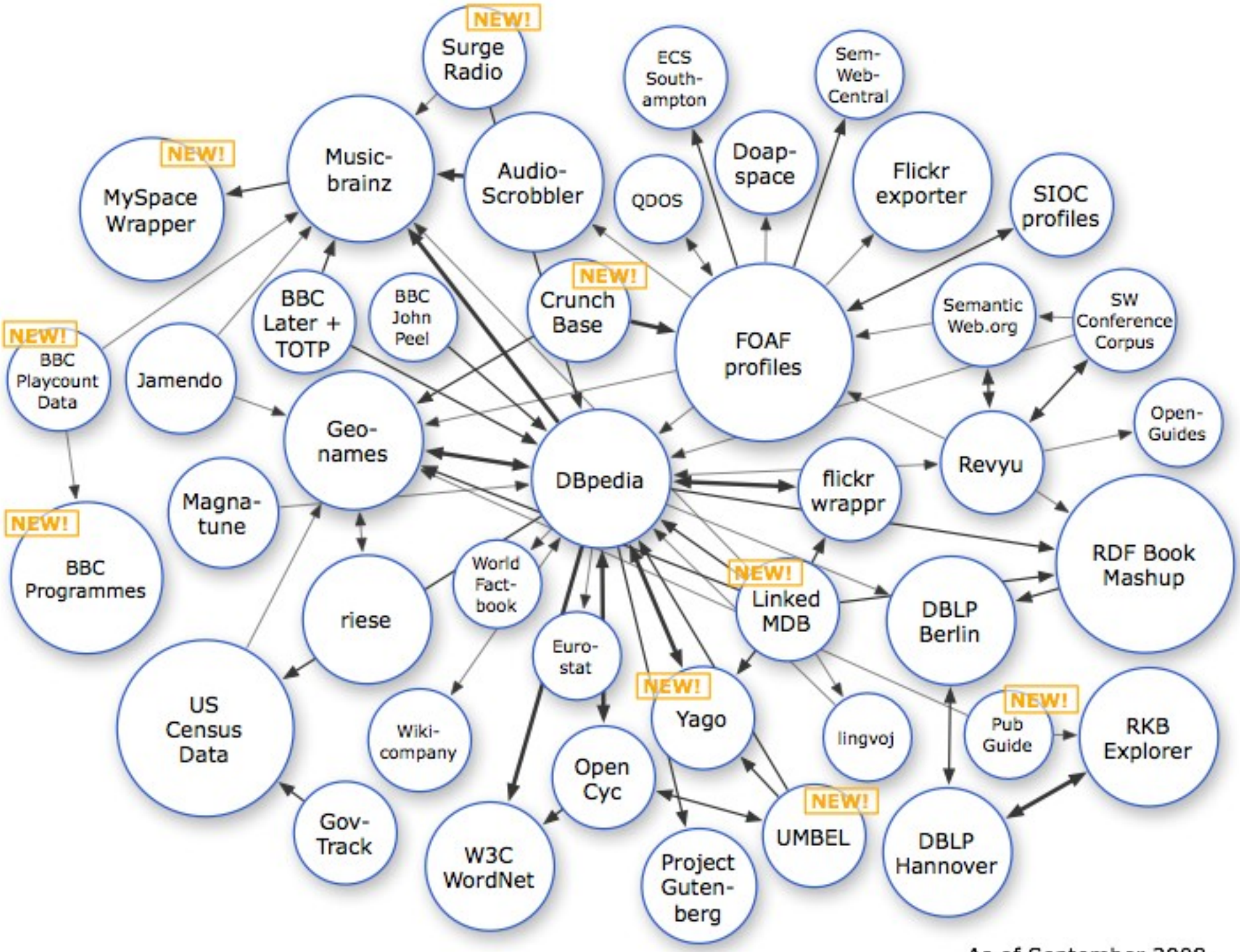

Yeah, but so what ...

SKOS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NEW!
Yago
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Pub Guide
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Weaving the Web (Open Library)

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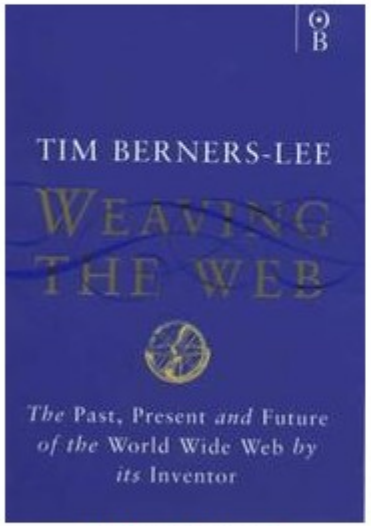
GO

Weaving the Web

by Tim Berners-Lee

Published in June 2001, Texere Publishing



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SKOS

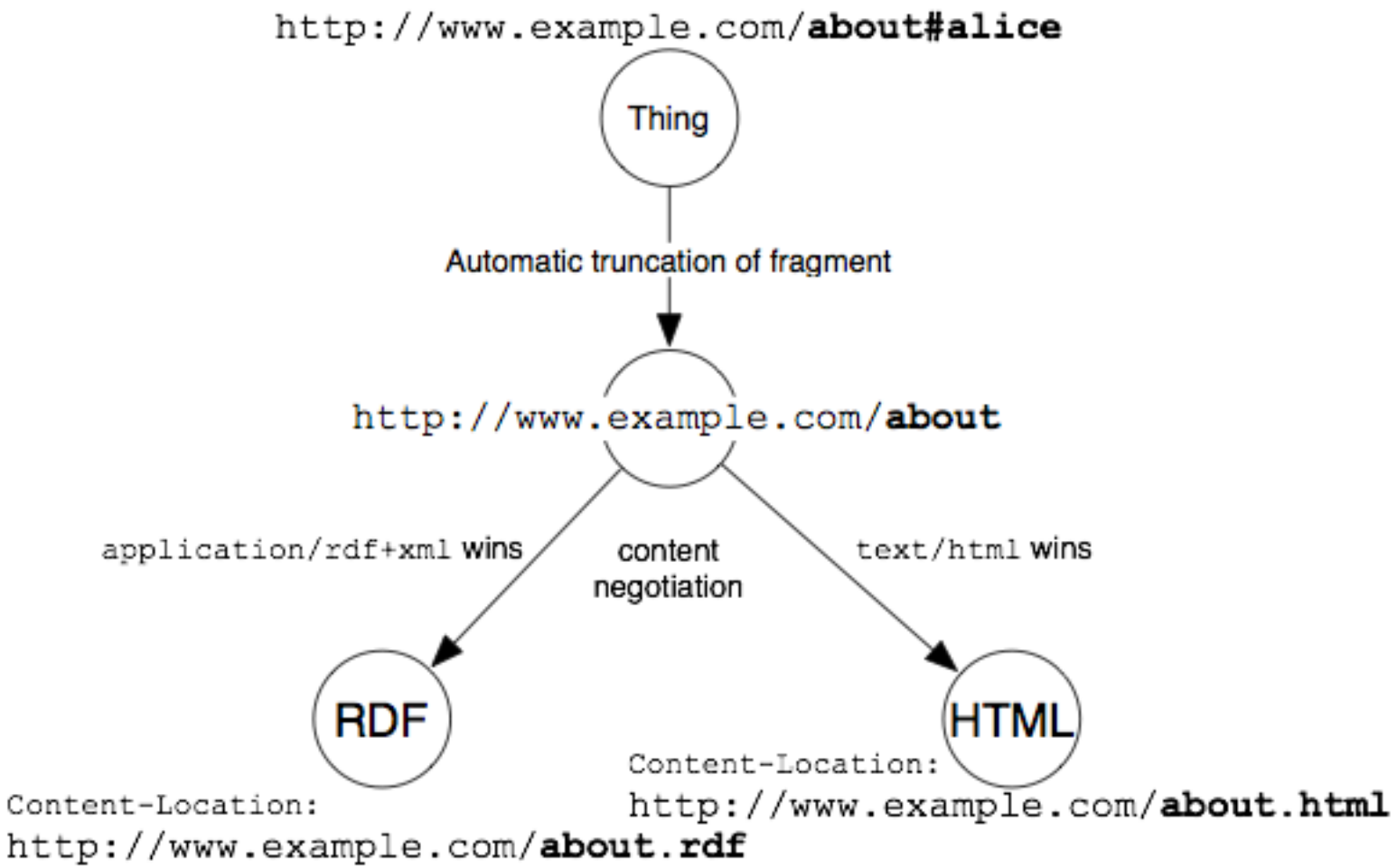
... by treating values as non-literal resources and assigning URIs to them we give ourselves (and others) the hooks on which to hang further descriptions.

--Andy Powell

http://efoundations.typepad.com/efoundations/2008/08/index.html

Cool URIs for the Semantic Web

http://www.w3.org/TR/cooluris/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http://www.example.com/about
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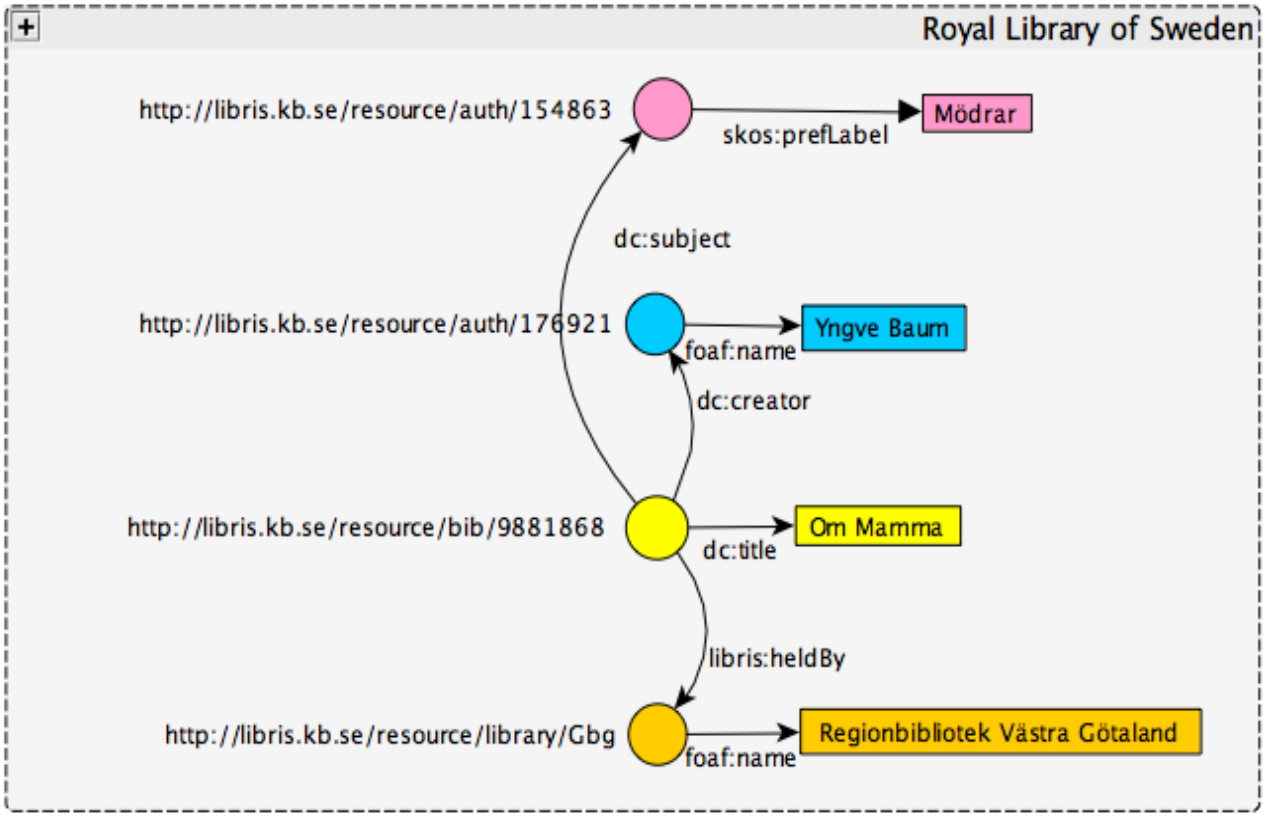
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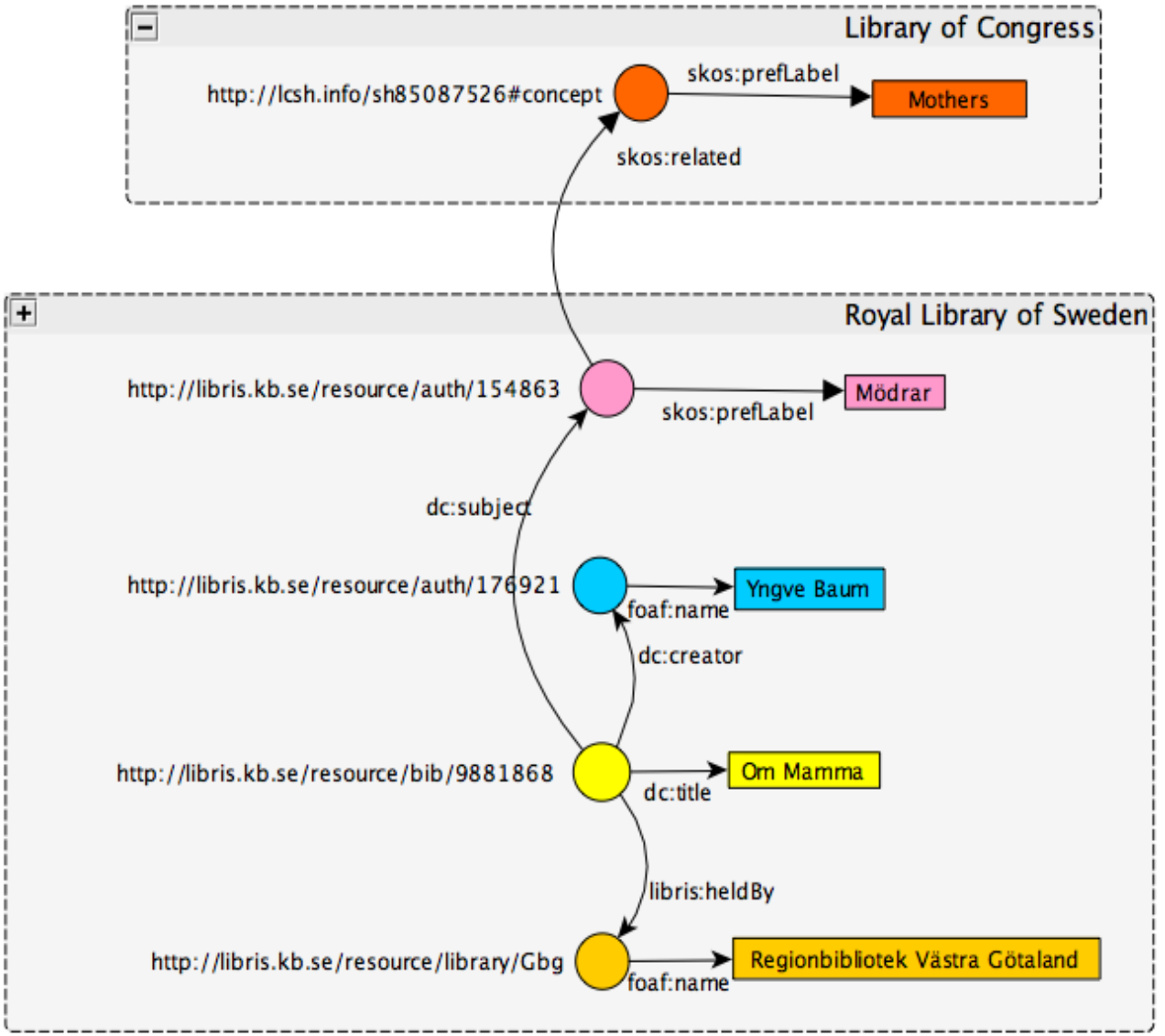
Regionbibliotek Västra Götaland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Web 2.0 means using the web as it was meant to be used, and Google does. That's their secret. The web naturally has a certain grain, and Google is aligned with it. That's why their success seems so effortless.

--Paul Graham

http://web.archive.org/web/20051124054805/http://paulgraham.com/web20.html

Future of Bibliographic Control

Future of Bibliographic ~~Control~~ *Ecosystems*

... libraries and related organizations are well placed to mint persistent and reusable 'http' URIs for much of this stuff ... provided they drag themselves out of the old world of text strings on cards and into the new world of the Web and the URI.

--Andy Powell

Linked Data Design Issues
Tim Berners-Lee
http://www.w3.org/DesignIssues/LinkedData.html

Cool URIs for the Semantic Web
Leo Sauermann and Richard Cyganiak
http://www.w3.org/TR/cooluris/

SKOS Reference
Alistair Miles and Sean Bechhofer
http://www.w3.org/TR/skos-reference/