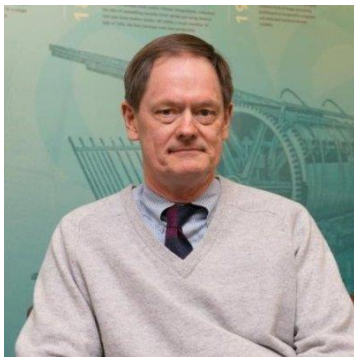


Subject Headings in the *Catalog of U.S. Government Publications* (CGP)

GPO Library Technical Services Webcast and Webinar Series, Part 14
August 12, 2015

Presenters



Bob Luoma



Liselle Drake

Coverage

Rationale for use of controlled vocabularies for subject analysis

Thesauri: Used, not used, and new sources

GPO's QC activities for subject headings

Tips for searching the CGP

In a keyword-driven search
environment,
why use controlled vocabularies for
subject indexing and searching?

Theater (May Subd Geog)

[\[PN2000-3299\]](#)

Here are entered works on drama as acted on the stage. Works on facilities used to stage drama are entered under Theaters. Works on drama as a literary form are entered under Drama.

- UF Dramatics
 - Histrionics
 - Professional theater
 - Stage
 - Theatre
- BT [Performing arts](#)
- RT [Acting](#)
 - [Actors](#)
- NT [Amateur theater](#)
 - [Animals as represented on the stage](#)
 - [Apocalypse in the theater](#)
 - [Arena theater](#)
 - [Artists and theater](#)
 - [Authors and theater](#)

Thesauri used in the CGP

Library of Congress Subject Headings (LCSH)

Medical Subject Headings (MeSH) /
U.S. National Library of Medicine

NASA Thesaurus (NASAT)

Faceted Application of Subject Terminology (FAST) /
OCLC

Library of Congress Genre/Form Terms for Library and
Archival Materials (LCGFT)

Thesauri not used or not maintained in CGP

Art and Architecture Thesaurus / Getty Research Inst.
Canadian Subject Headings
Children's Subject Headings / Library of Congress
Agricultural Thesaurus / National Agricultural Library
Sears List of Subject Headings
Thesaurus of ERIC Descriptors

Subject access fields & MARC codes

Topical headings as subject added entries:

650 Topics

and

Index Term for:

655 Genre/Form

Name headings as subject added entries:

600 Personal name, including name/title entry

610 Corporate body name

611 Conference name

630 Title

651 Geographic name

Source: LC Name Authority File: <http://authorities.loc.gov/>

Thesauri used in the CGP: LCSH

Library of Congress Subject Headings (LCSH)

<http://authorities.loc.gov/>

<http://www.loc.gov/aba/publications/FreeLCSH/freelcsh.html>

Structure – Elaborated
MARC field – 650 _0 [term]



Facets in subject heading strings: Patterns

Typical patterns:

Topic / Geography / Subtopic / Chronology / Form

or

Topic / Subtopic / Geography / Chronology / Form

Facets in subject heading strings

Topic / Geography / Subtopic / Chronology / Form

Earthquake damage—California--San Francisco--
20th century--Pictorial works.

Medicine, Naval--United States—History--20th
century--Interactive multimedia.

Information technology--United States—
Management—Periodicals.

Facets in subject heading strings

Topic / Subtopic / Geography / Chronology / Form

Customs administration--Law and legislation--United
States--Periodicals.

History—Study and teaching—United States—
Evaluation—Periodicals.

Foodborne diseases—Economic aspects—United
States.

Waterways—Political aspects—Arctic Regions.

Thesauri used in the CGP: MeSH

Medical Subject Headings (MeSH) /
U.S. National Library of Medicine
<https://www.nlm.nih.gov/mesh/>



Structure – Elaborated
MARC field – 650 _2 [term]

Thesauri used in the CGP: MeSH

040 **NLM #b eng #c NLM #d COO #d OCLCO #d OCLCQ**

245 Hospital nurse staffing and quality of care / Mark W. Stanton.

650 0Nurse administrators #x Standards #z United States.

650 0Health services administrators #x Standards #z United States.

650 0Medical care #x Standards #z United States.

65012Nursing Staff, Hospital #x standards #z United States.

65012Nursing Staff, Hospital #x supply & distribution #z United States.

65022Quality of Health Care #x standards #z United States.

LCSH & MeSH subject headings

Title: Examining the implications of the Affordable Care Act on VA health care: hearing before the Committee on Veterans' Affairs ...

LCSH

United States. Patient Protection and Affordable Care Act.
Health care reform #x Law and legislation #z United States.
Veterans #x Medical care #z United States.
United States. #b Veterans Administration #x Appropriations and expenditures.

MeSH

United States. #t Patient Protection and Affordable Care Act.
Health Care Reform #x legislation & jurisprudence #z United States.
Veterans Health #z United States.

Thesauri used in the CGP: NASA Thesaurus

NASA/SP—2012-7501/VOL1



NASA THESAURUS

VOLUME 1

Hierarchical Listing With Definitions

NASA/SP—2012-7501/VOL2



NASA THESAURUS

VOLUME 2

Rotated Term Display

Lunar Polar Environmental Testing: Regolith Simulant Conditioning

NTRS Full-Text: [Click to View](#) [PDF Size: 906 KB]

Author and Affiliation: Kleinhenz, Julie Elise (NASA Glenn Research Center, Cleveland, OH United States)

Abstract: As ISRU system development approaches flight fidelity, there is a need to test hardware in relevant environments. Extensive laboratory and field testing have involved relevant soil (lunar regolith simulants), but the current design iterations necessitate relevant pressure and temperature conditions. Including significant quantities of lunar regolith simulant in a thermal vacuum chamber poses unique challenges. These include facility operational challenges (dust tolerant hardware) and difficulty maintaining a pre-prepared soil state during pump down (consolidation state, moisture retention). For ISRU purposes, the regolith at the lunar poles will be of most interest due to the elevated water content. To test at polar conditions, the regolith simulant must be doped with water to an appropriate percentage and then chilled to cryogenic temperatures while exposed to vacuum conditions. A 1m tall, 28cm diameter bin of simulant was developed for testing these simulant preparation and drilling operations. The bin itself was wrapped with liquid nitrogen cooling loops (100K) so that the simulant bed reached an average temperature of 140K at vacuum. Post-test sampling was used to determine desiccation of the bed due to vacuum exposure. Depth dependent moisture data is presented from frozen and thawed soil samples. Following simulant only evacuation tests, drill hardware was incorporated into the vacuum chamber to test auguring techniques in the frozen soil at thermal vacuum conditions. The focus of this testing was to produce cuttings piles for a newly developed spectrometer to evaluate. This instrument, which is part of the RESOLVE program science hardware, detects water signatures from surface regolith. The drill performance, behavior of simulant during drilling, and characteristics of the cuttings piles will be offered.

NASA Terms: IN SITU RESOURCE UTILIZATION; DRILLING; REGOLITH; ENVIRONMENTAL TESTS; POLAR REGIONS; LUNAR SOIL; SOIL MOISTURE; MOISTURE CONTENT; SOIL SAMPLING; CRYOGENIC TEMPERATURE; THERMAL VACUUM TESTS; LIQUID NITROGEN

NASA Thesaurus

- 074 |a 0830-D (online)
- 0860 |a NAS 1.15:2014-218295
- 1001 |a Kleinhenz, Julie E., |e author.
- 24510 |a Lunar polar environmental testing : |b regolith simulant conditioning / |c Julie E. Kleinhenz.
- 264 1 |a Cleveland, Ohio : |b National Aeronautics and Space Administration, Glenn Research Center, |c May 2014.
- 300 |a 1 online resource (12 pages) : |b illustrations (some color).
- 336 |a text |b txt |2 rdacontent
- 337 |a computer |b c |2 rdamedia
- 338 |a online resource |b cr |2 rdacarrier
- 4901 |a NASA/TM ; |v 2014-218295
- 500 |a Title from title screen (viewed Oct. 20, 2014).
- 500 |a "May 2014."
- 500 |a "Prepared for the SciTech 2014 sponsored by the American Institute of Aeronautics and Astronautics, National Harbor, Maryland, January 13-17, 2014."
- 504 |a Includes bibliographical references (page 12).
- 500 |a "AIAA-2014-0689."
- 650 7 |a In situ resource utilization. |2 nasat
- 650 7 |a Drilling. |2 nasat
- 650 7 |a Regolith. |2 nasat
- 650 7 |a Environmental tests. |2 nasat
- 650 7 |a Polar regions. |2 nasat
- 650 7 |a Lunar soil. |2 nasat
- 650 7 |a Soil moisture. |2 nasat
- 650 7 |a Moisture content. |2 nasat
- 7102 |a NASA Glenn Research Center, |e issuing body.
- 830 0 |a NASA technical memorandum ; |v 2014-218295.
- 85640 |u http://purl.fdlp.gov/GPO/gpo52767
- 8564 |u http://ntrs.nasa.gov/archive/nasa/casi.ntrs.nasa.gov/20140008661.pdf

Thesauri used in the CGP: FAST

Faceted Application of Subject Terminology (FAST) / OCLC

<http://www.oclc.org/research/themes/data-science/fast.html?urlm=168918>

The broad purpose of adapting the LCSH with a simplified syntax to create FAST is to retain the very rich vocabulary of LCSH while making the schema easier to understand, control, apply, and use. The schema maintains upward compatibility with LCSH. ... FAST has evolved into an eight-facet vocabulary with a universe of approximately 1.7 million headings ...

Structure – Enumerated

MARC field – 6XX _7 [term] \$2 fast #0 (OCoLC)fstnn

FAST contrasted with LCSH

Title: Out of bounds: transnational sanctuary in irregular warfare.

LCSH:

Transnational sanctuaries (Military science)—Case studies.
Transnational sanctuaries (Military science)—History—20th century.
Vietnam War, 1961-1975—Campaigns.
Afghanistan—History--Soviet occupation, 1979-1989—Campaigns.
Irregular warfare.

FAST Terms:

Soviet Occupation of Afghanistan (1979-1989)
Vietnam War (1961-1975)
Irregular warfare.
Military campaigns.
Transnational sanctuaries (Military science)
Afghanistan.
1900 – 1999.
Case studies.
History.

Why are both LCSH and FAST terms retained in CGP records?

Thesauri used in the CGP:LCGFT

Library of Congress Genre Form Terms
for Library and Archival Materials (LCGFT)

<http://www.loc.gov/aba/publications/FreeLCSH/GENRE.pdf>

<http://id.loc.gov/authorities/genreForms.html>

<http://www.loc.gov/catdir/cpsd/genreformgeneral.html>

Structure – Enumerated
MARC field – 655 _7 [term] \$2 lcgft

LCGFTs in CGP records

Audio-visual materials

- Documentary films
- Educational films
- Educational radio programs
- Instructional films
- Internet videos
- Public service announcements (Motion pictures)
- Public service radio programs
- Public service television programs
- Radio public service announcements
- Video recordings for the hearing impaired

LCGFTs in CGP records

Cartographic materials

- Maps
 - Aeronautical charts
 - Atlases
 - Index maps
 - Nautical charts
 - Pictorial maps
 - Quadrangle maps
 - Remote-sensing maps
 - Road maps
 - Topographic maps
 - Tourist maps
 - World maps

LCGFTs in CGP records

Legal materials

- Legislative hearings
- Legislative materials
- Statutes and codes
- Treaties

Newest development:

Library of Congress Genre/Form Terms for General Terms (LCGFTs)

http://www.loc.gov/catdir/cpsd/genre_form_general_terms.html

Commemorative works	Informational works
Creative nonfiction	Instructional and educational works
Derivative works	Recreational works
Discursive works	Tactile works
Ephemera	
Illustrated works	

Important pilot project:

LC Demographic Group Terms (LCDGT)

<http://www.loc.gov/catdir/cpsolcdgt-announcement.html>

Age group	Nationality/regional group
Occupational group	Educational level group
Ethnic/cultural group	Religious group
Gender group	Sexual orientation group
Language group	Social group (all other)
Medical, psychological, & disability group	

Extent of subject headings & types of CGP records

Acquisitions / Brief bib. records	0
Historic Shelflist Project & K-level records	1
Other catalog records	3-5 (average)

Extent of subject headings

Monographs and Analytics
versus
Serials and Collection-level records

Serial record examples

Title: U.S. imports of merchandise.

LCSH:

Imports -- United States -- Statistics -- Periodicals.

Title: National healthcare disparities report.

LCSH:

Medical policy -- Social aspects -- United States -- Periodicals.

Medical care -- Needs assessment -- United States -- Periodicals.

Title: Maine's forest resources.

LCSH:

Forests and forestry -- Maine -- Statistics -- Periodicals.

Timber -- Maine -- Statistics -- Periodicals.

Collection record example

Title: THOMAS. House committee live streams.

Abstract: A streaming video collection of live and recorded live hearings conducted by committees of the U.S. House of Representatives ...

LCSH:

United States. Congress. House -- Committees.

Legislative hearings -- United States -- 21st century.

Governmental investigations -- United States -- 21st century.

LCGFTs:

Legislative materials.

Internet videos.

Collection record example

Title: The National Archives blogs.

LCSH:

United States. National Archives and Records Administration--
Blogs.

United States -- Archival resources -- Blogs.

United States -- History -- Sources -- Blogs.

Government information -- United States -- Blogs.

Archival materials -- United States -- Blogs.

Public records -- United States -- Blogs.

National archivists -- United States -- Blogs.

Monograph record example

Title: NAFTA at 20: North America's free trade area and its impact on agriculture.

LCSH:

North American Free Trade Agreement (1992 December 17)

North America -- Commercial treaties.

International trade -- Statistics.

Free trade -- North America -- Statistics.

Agricultural industries -- North America -- Statistics.

Agricultural productivity -- North America -- Statistics.

Exports -- United States -- Statistics.

Farm produce -- North America -- Statistics.

Quality control of subject headings

Vendor-executed actions

- Conduct monthly checks of all subject access points

- Generate reports of errors

Internal actions

- Execute quality control of the QC vendor

- Identify anomalies id'd by vendor software

- Prompt corrections in records

Quality control: Flipped heading

LCSH subject : linked to: **sh 87007340** -- all subfields
old: 650 -aGays in the military xGovernment policy zUnited States
new: 650 -aGay military personnel zUnited States

LCSH subject : linked to: **sh2006000714** -- 1 of 3 subfields
old: 650 -aGays in the military xLegal status, laws, etc. zUnited States
new: 650 -aGay military personnel xLegal status, laws, etc. zUnited States

LCSH subject : linked to: **sh 87007340** -- all subfields
old: 650 -aGays in the military zUnited States
new: 650 -aGay military personnel zUnited States

CGP search interface for thesauri: "Advanced" option

The screenshot shows the 'Advanced Search: Full Catalog' interface. The search dropdown menu is open, and a red arrow points to the 'LC Subjects keyword(s)' option. The search criteria are set to 'Search by: Keyword(s)'. The search box contains the text 'Enter word/"phrase"'. The search results are displayed as a list of items, with the first item being 'LC Subjects keyword(s)'. The search results are displayed in a table format with columns for 'Search by', 'Search criteria', and 'Search results'. The search results are as follows:

Search by	Search criteria	Search results
Keyword(s)	Enter word/"phrase"	LC Subjects keyword(s)
Title keyword(s)		
Series/Periodical keyword(s)		
Conference Proceeding keyword(s)		
Corporate/Agency Author keyword(s)		
Author keyword(s)		
All Subject keyword(s)		
LC Subjects keyword(s)		
Geographic Subjects keyword(s)		
MeSH Subject keyword(s)		
NASA Subjects keyword(s)		
Publisher keyword(s)		
Publication Place		
SuDoc Class Number		

CGP search interface for thesauri: Sample search and search results

[Catalog of U.S. Government Publications Home Page](#) > National Bibliography of U.S. Government Publications

Catalogs to Search:

My Options:

[Congressional Serial Set](#) [Historic Shelflist](#) [Serials](#)
[Congressional Publications](#) [Internet Publications](#)

[Bookshelf](#) [Results list](#)
[Preferences](#) [Previous Searches](#)

Results for W-LC Subject Heading= sustainable buildings AND W-LC Subject Heading= st

Sort options: | Year(d) | Title | Year(a) | Title | Year(a) | SubDoc(a)

Display options: [Extended](#) | [Brief](#)

Records 1 - 10 of 74 (maximum display and sort is 2000 records)

Jump to #

#	Title	Year	LC Subjects keyword(s)
1	<input type="checkbox"/> Green buildings: an evaluation of energy savings performance contracts: joint hearing before the Subcommittee on Oversight & Subcommittee on Energy, Committee on Science, Space, and Technology, House of Representatives, One Hundred Thirteenth Congress, first session, Thursday, June 27, 2013.	2014	LC Subjects keyword(s)
2	<input type="checkbox"/> Performance verification of production-scalable energy-efficient solutions: Winchester/Camberly Homes mixed-humid climate/	2014	LC Subjects keyword(s)
3	<input type="checkbox"/> Energy efficient building retrofits: hearings before the Committee on Energy and Natural Resources, United States Senate, One Hundred Twelfth Congress, second session, June 26, 2012.	2013	United States Congress Senate Committee on Energy and Natural Resources Y 4 ENV 2 HRG 112-926
4	<input type="checkbox"/> Green buildings: an evaluation of energy savings performance contracts: joint hearing before the Subcommittee on Oversight & Subcommittee on Energy, Committee on Science, Space, and Technology, House of Representatives, One Hundred Thirteenth Congress, first session, Thursday, June 27, 2013.	2013	United States Congress House Committee on Science, Space, and Technology (2011) Subcommittee on O Y 4 SCI 2 113-39
5	<input type="checkbox"/> Green buildings: an evaluation of energy savings performance contracts: joint hearing before the Subcommittee on Oversight & Subcommittee on Energy, Committee on Science, Space, and Technology, House of Representatives, One Hundred Thirteenth Congress, first session, Thursday, June 27, 2013.	2013	United States Congress House Committee on Science, Space, and Technology (2011) Subcommittee on O Y 4 SCI 2 113-39
6	<input type="checkbox"/> Design and evaluation of a net zero low-income residential housing development in Lafayette, Louisiana (electronic resource)/	2012	Dean, Jesse E 9 16 NREL/TP-7 A 20-63756

Advanced Search: Full Catalog

Search for word/"phrase" in...

Enter word/"phrase"

 AND

Go Clear or limit search by:

GPO U.S. GOVERNMENT PUBLISHING OFFICE | Keeping America Informed www.gpo.gov | facebook.com/USGPO | twitter.com/usgpo

CGP search interface for thesauri: "Expert" option

[Catalog of U.S. Government Publications Home Page](#) > National Bibliography of U.S.

Catalogs to Search:

[Congressional Serial Set](#) [Historic Shelflist](#) [Serials](#)
[Congressional Publications](#) [Internet Publications](#)

Expert Search: Full Catalog

Enter command language phrase

Go Clear

Search hints:

- Following are the most common abbreviations used by the ALEPH command language. For a complete list, see CCL Codes under [How to Search > Expert](#) in Help.

WRD - Words
 WTI - Words in title field
 WAI - Words in author field
 WPU - Words in publisher field
 WSR - Words in series field
 WSU - Words in subject field
 WGS - Words in geographic subjects fields
 WYR - Year of publication

- COMPUTER = computer, Computer, and COMPUTER

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CGP search interface for thesauri: “Browse” option

The screenshot shows the 'CATALOG OF U.S. GOVERNMENT PUBLICATIONS' search interface. At the top, there are navigation tabs: 'Search the CGP', 'BASIC', 'ADVANCED', 'EXPERT', 'BROWSE' (highlighted in red), and 'NEW TITLES'. Below the tabs, there are links for 'Catalogs to Search:' (Congressional Serial Set, Historic Shelflist, Serials, Congressional Publications, Internet Publications) and 'My Options:' (Bookshelf, Preferences). A red arrow points to the 'Browse Search: Full Catalog' section. Under this section, there is a dropdown menu for 'Choose Type of Search' with the following options: 'Title begins with... (omit initial article)', 'Title, Title variation, former Title begins...', 'Series/Periodical Title begins...', 'Corporate/Agency Author begins with...', 'Author begins with... (last name first)', 'Conference Proceedings begins with...', 'Subject begins...', 'LC Subject begins...', 'MeSH Subject begins...', 'NASA Subject begins...', 'SuDoc Class Number begins...', and 'LC Class Number begins...'. A search box labeled 'Enter Word/s to Search:' is also visible.

Search tips for CGP

States' policies and practices: “United States—States”



Title: Laboratories of democracy: the economic impact of state energy policies: hearing ...

LCSH: Energy development--Government policy--United States--States.

Title: Federal implementation of Obamacare: concerns of state governments: joint hearing

LCSH: Health insurance -- Government policy -- United States -- States.

Search tips for CGP

Cross-cultural studies

Title: Through the lens of cultural awareness: a primer for US Armed Forces deploying to Arab and Middle Eastern countries.

LCSH: Military art and science—Cross-cultural studies.

Title: An international comparison of teacher education.

LCSH: Teachers—Training of—Cross-cultural studies.

Search tips for CGP



Comic books, strips,
etc.



Graphic novels

Search tips for CGP



Search tips for CGP

INTERVIEWS



Anticipating catalogs / discovery tools of the future

What can we expect in a post-MARC environment?

and

What are we doing about it?

Questions? Suggestions?

AskGPO

<http://www.gpo.gov/askgpo/>