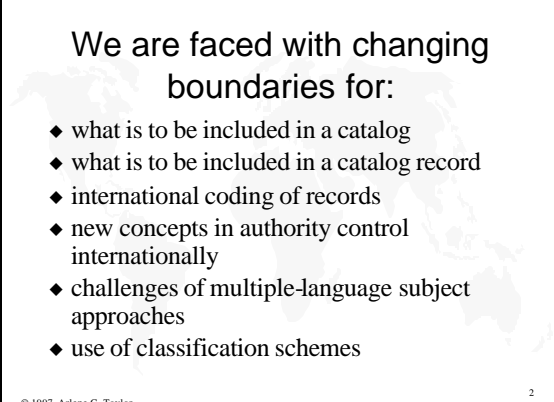


## A World of Disappearing Boundaries: Traditional Organization of Information in an Electronic Environment

Arlene G. Taylor

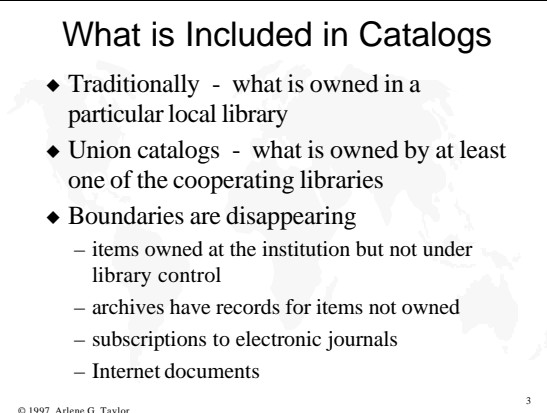
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## We are faced with changing boundaries for:

- ◆ what is to be included in a catalog
- ◆ what is to be included in a catalog record
- ◆ international coding of records
- ◆ new concepts in authority control internationally
- ◆ challenges of multiple-language subject approaches
- ◆ use of classification schemes

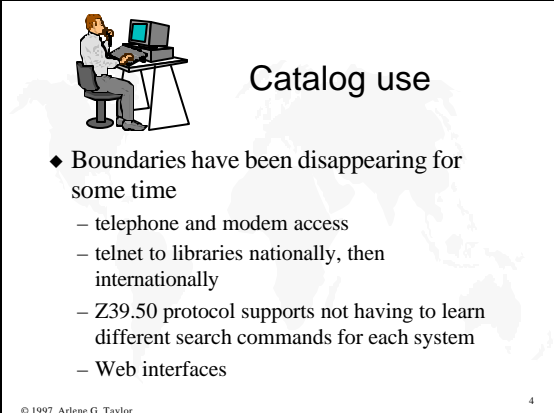

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## What is Included in Catalogs

- ◆ Traditionally - what is owned in a particular local library
- ◆ Union catalogs - what is owned by at least one of the cooperating libraries
- ◆ Boundaries are disappearing
  - items owned at the institution but not under library control
  - archives have records for items not owned
  - subscriptions to electronic journals
  - Internet documents

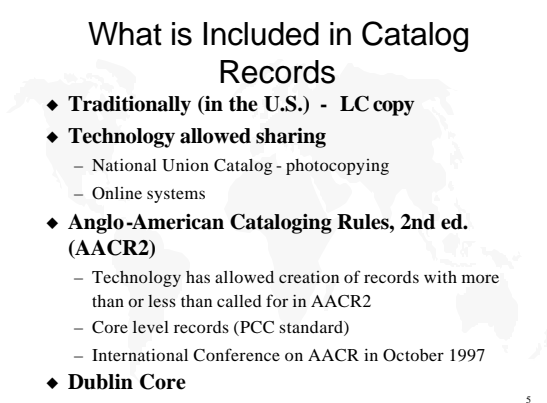
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## Catalog use

- ◆ Boundaries have been disappearing for some time
  - telephone and modem access
  - telnet to libraries nationally, then internationally
  - Z39.50 protocol supports not having to learn different search commands for each system
  - Web interfaces

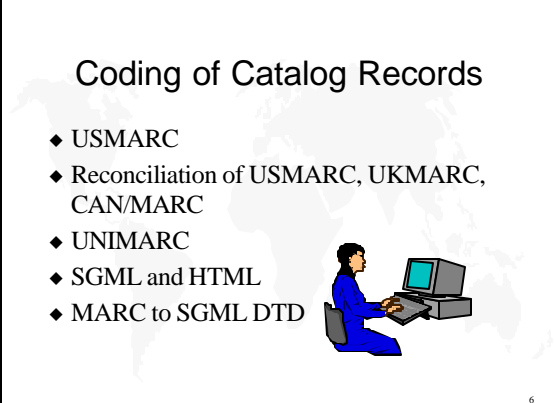

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## What is Included in Catalog Records

- ◆ Traditionally (in the U.S.) - LC copy
- ◆ Technology allowed sharing
  - National Union Catalog - photocopying
  - Online systems
- ◆ Anglo-American Cataloging Rules, 2nd ed. (AACR2)
  - Technology has allowed creation of records with more than or less than called for in AACR2
  - Core level records (PCC standard)
  - International Conference on AACR in October 1997
- ◆ Dublin Core

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## Coding of Catalog Records

- ◆ USMARC
- ◆ Reconciliation of USMARC, UKMARC, CAN/MARC
- ◆ UNIMARC
- ◆ SGML and HTML
- ◆ MARC to SGML DTD

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### Authority Control

- ◆ Access control
- ◆ USNAF + BLNAL = AAAF
- ◆ International access control requires standard sets of data elements
- ◆ ISADN
- ◆ UNIMARC for Authorities

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1	010	n	80050515
2	040	DLC \$c DLC \$d DLC	
3	100	00	Confucius
4	400	00	Konfuzius
5	400	00	K'oeng Foe-tse
6	400	00	Kung-foo-tsze
7	400	00	Kung-Kew
8	400	00	Kong-Fou-Tze
9	400	00	Kwan-Foo-Tze
10	400	00	Kung-tse
11	400	00	Konfu tsius
12	400	00	Konfu tsi i
13	400	00	Kongjia
14	400	00	Khong Tju
15	400	00	K oshi
16	400	00	K ung-tzu
17	400	00	Kung Fu
18	400	00	Kungfutse
19	400	00	Confucio
20	670		Jakobs, P. M. Kritik an Lin Piao und Konfuzius, c1983: \$b t.p. (Konfuzius)
21	670		His Gespr ache (Luny u), 1910: \$b t.p. (Kunglutse)
22	670		Gomez Far ias, A. Confucioy Mart in Fierro, c1986.

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1	010	n	79004182
2	040	DLC \$c DLC \$d DLC \$d DLC-R \$d DLC	
3	100	00	Aristotle
4	400	00	Aristo
5	400	00	Arystoteles
6	400	00	Aristotel
7	400	00	Aristote
8	400	00	Ya-li-ssu-to-te
9	400	00	Aristoteles \$w nna
10	400	00	Ya-li-shih-to-te
11	400	00	Aristotele
12	400	00	Arist' otii
13	400	00	Arisutoteresu
14	400	00	Arist oteles, \$c de Estagira
15	670		Pereira, A. F. Hist oria da filos., 1980: \$b t.p. (Arist oteles)
16	670		Ya-li-shih-to-te hsing shih lo chi yen lun hs uan pien, 1984.
17	670		Calabi, F. La citt a dell'oikos, 1984: \$b t.p. (Aristotele)
18	670		Prevosti Moncl us, A. La fisica d'Arist' otii, 1984?: \$b t.p. (Arist' otii)
19	670		His Al ha- nefesh, c1989: \$b t.p. (Aris to)
20	670		His Arisutoteresu zenshu, 1971- : \$b v. 1, t.p. (Arisutoteresu [Japanese reading])
21	670		His Politeia, 1989: \$b t.p. (Arist oteles, de Estagira)

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### Multiple Language Subject Control

- ◆ U.S. academic libraries seem to be ignoring this issue
- ◆ Many online systems require removal of headings in languages other than English
- ◆ Logical display not yet dealt with in U.S
- ◆ Few multiple language interfaces in U.S.

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### Multiple Thesaurus Subject Control

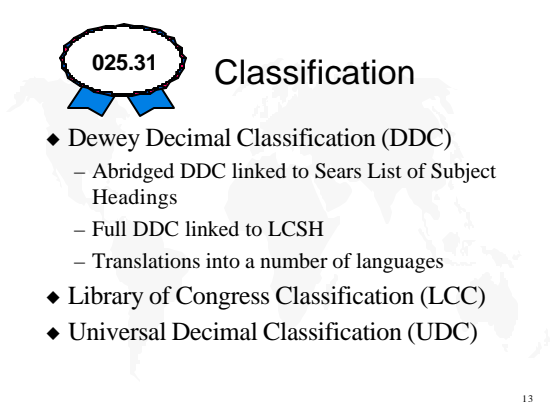
- ◆ LC Subject Headings (LCSH) and Medical Subject Headings (MeSH)
  - with card catalogs one or the other was chosen
  - with online catalogs displaying both is easy
- ◆ Logical and clear presentation to users is not easy
  - the abbreviations LC, MeSH, etc. may not be comprehensible to users
  - two lists for the same topic may cause users to miss some resources
- ◆ Combined thesauri (e.g., UMLS)

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### Example Variations between LCSH and MeSH

MeSH:	Nursing--dictionaries
LCSH:	Nursing--Dictionaries
MeSH:	Education, Nursing
LCSH:	Nursing--Study and teaching
MeSH:	Schools, Nursing
LCSH:	Nursing schools

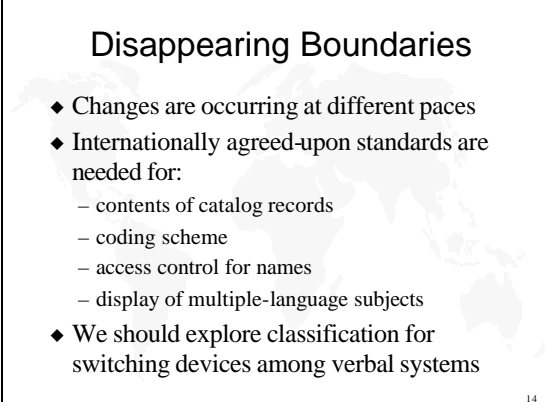
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**025.31** Classification

- ◆ Dewey Decimal Classification (DDC)
  - Abridged DDC linked to Sears List of Subject Headings
  - Full DDC linked to LCSH
  - Translations into a number of languages
- ◆ Library of Congress Classification (LCC)
- ◆ Universal Decimal Classification (UDC)

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**Disappearing Boundaries**

- ◆ Changes are occurring at different paces
- ◆ Internationally agreed-upon standards are needed for:
  - contents of catalog records
  - coding scheme
  - access control for names
  - display of multiple-language subjects
- ◆ We should explore classification for switching devices among verbal systems

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