



E-books and E-Journals in US University Libraries: Current Status and Future Prospects

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Symposium Keio University

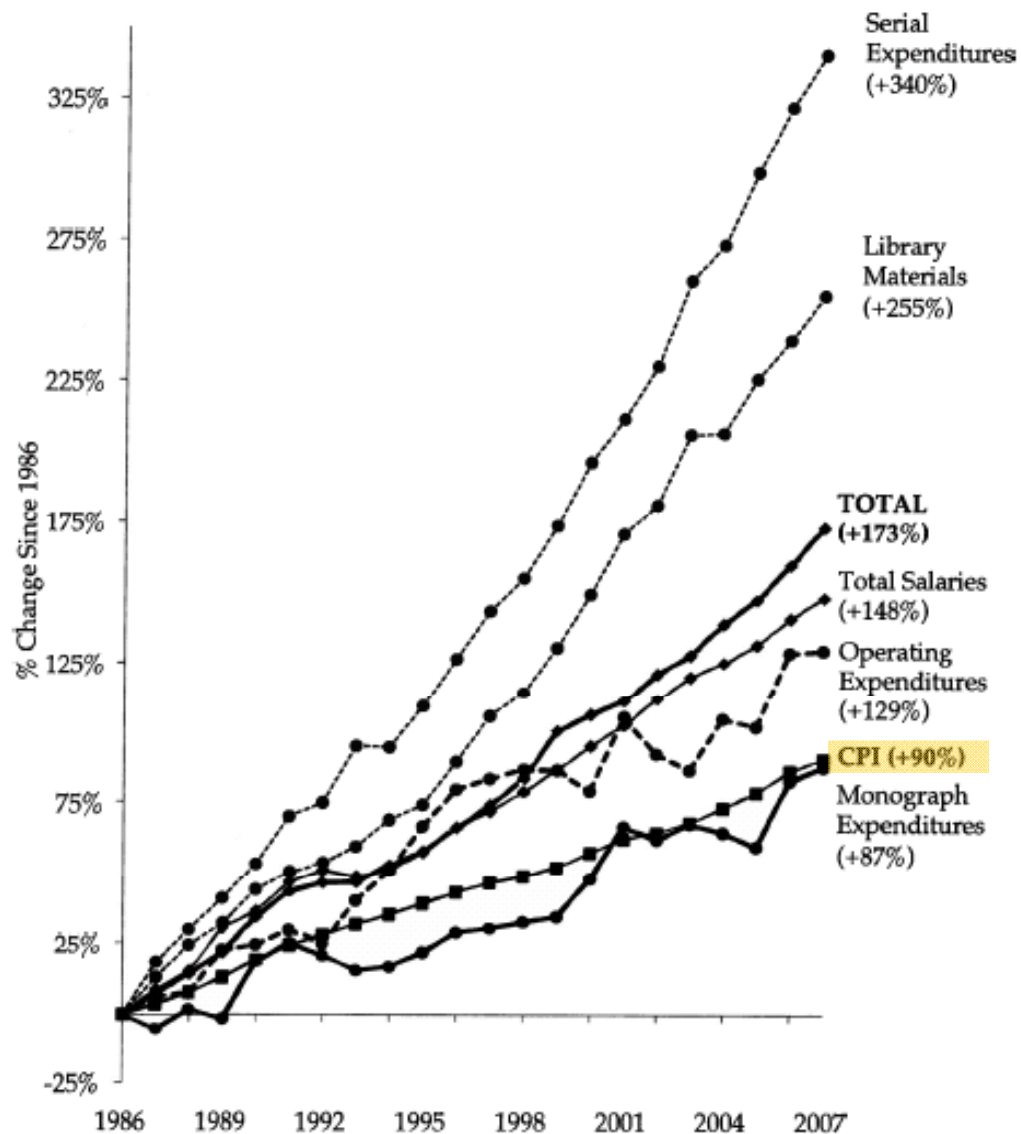
6 October 2010

collection trends

switch to e-books

implications

ARL Expenditures, 1986-2007

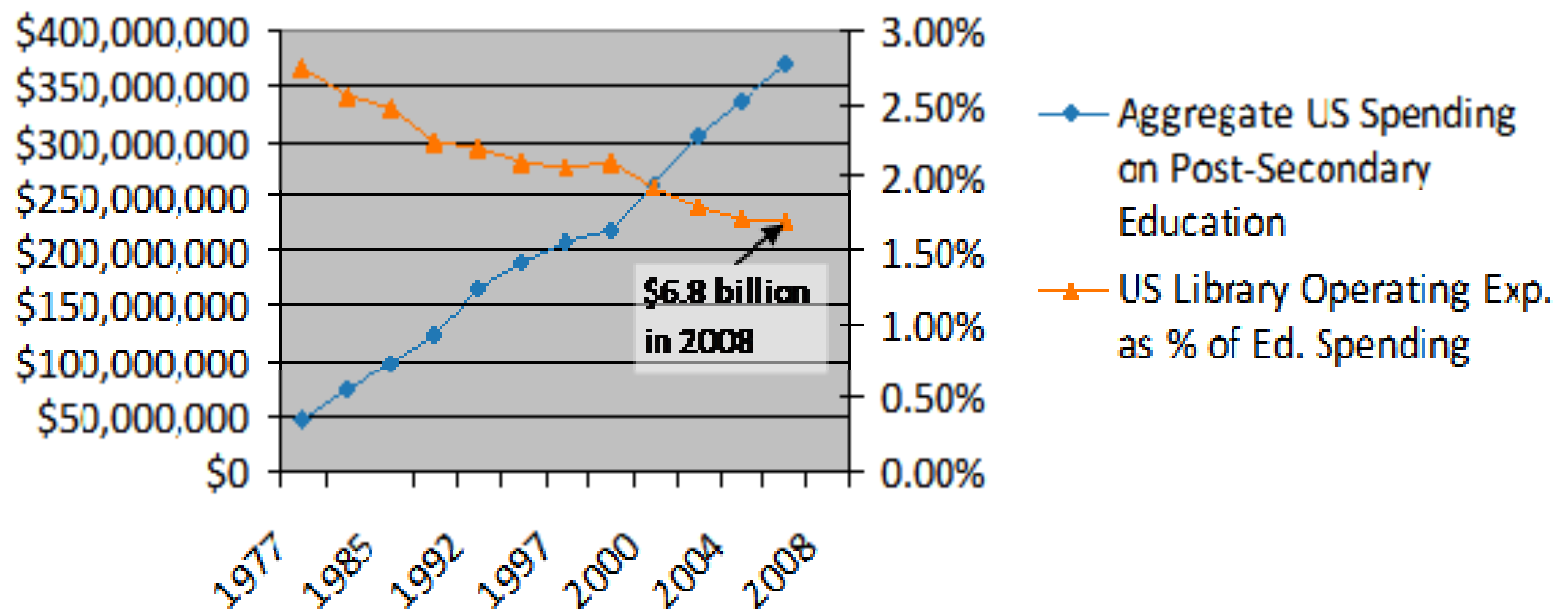


An unsustainable pattern of growth

Source: "Expenditure Trends in ARL Libraries, 1986-2007" ARL Statistics 2006-2007, Association of Research Libraries, Washington, DC

Less investment in libraries

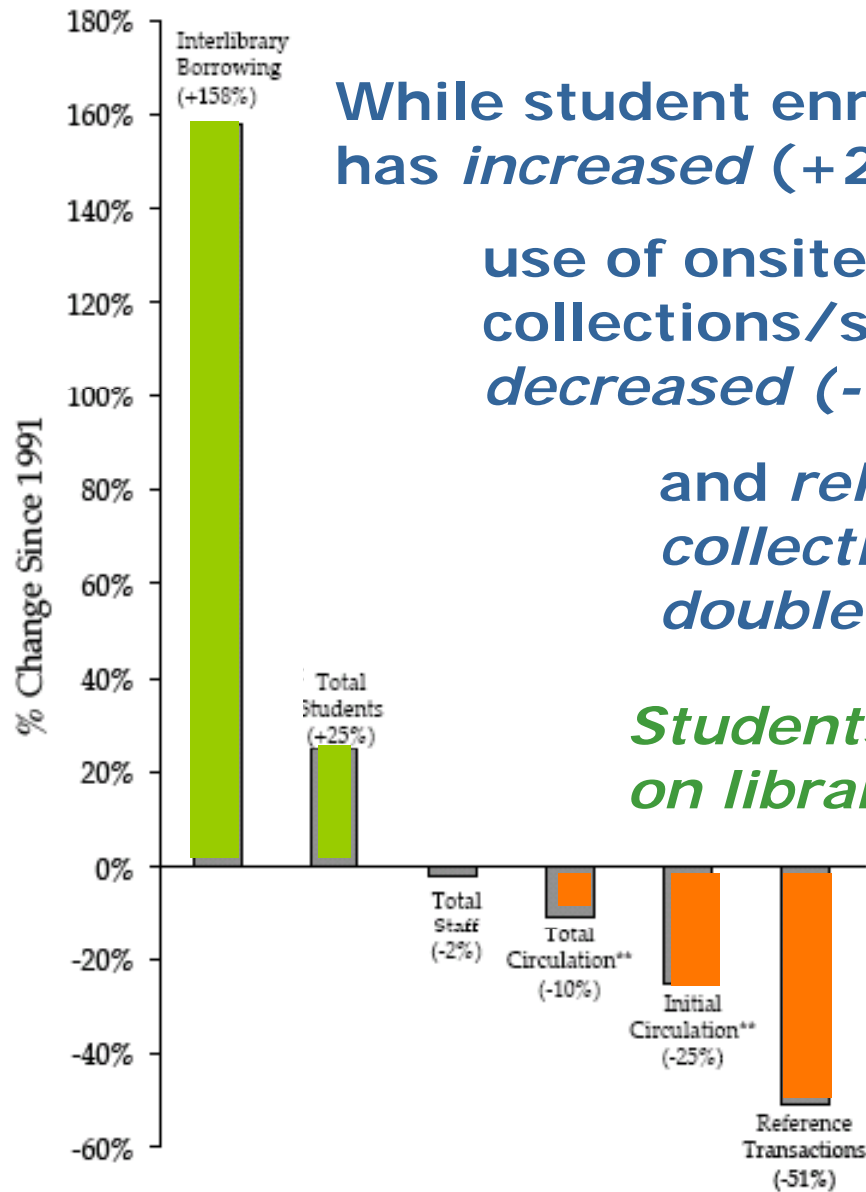
US Academic Library Expenditures vs. Total Spending on Post-Secondary Education



Analysis based on NCES data: Constance Malpas

If this trend continues library allocations would fall below 0.5% by 2015.

In the last 15 years . . .



While student enrollment has *increased* (+25%) . . .

use of onsite library collections/services has *decreased* (-10 to -50%). . .

and *reliance on external collections has more than doubled* (+150%)

Students and researchers reliance on library has changed

Source: "Service Trends in ARL Libraries, 1991–2007" ARL Statistics 2006–2007, Association of Research Libraries, Washington, DC

What Do We Know About Print Book Use

The 80/20 rule applies

Past use predicts future use (better than anything else)

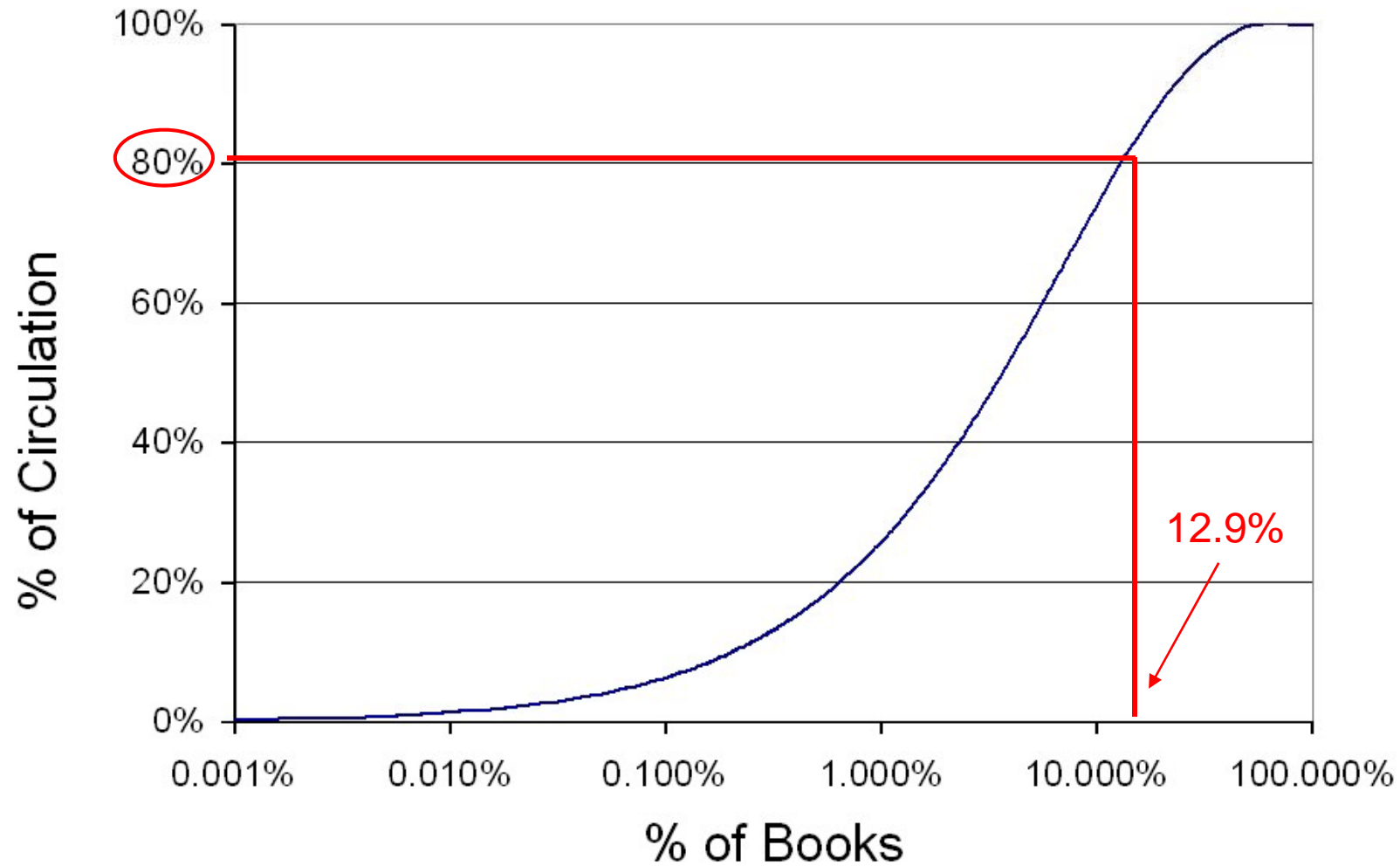
Use declines with age

In academic print collections users fail to find owned known items 50% of the time

Cost to the user is largely in the uncertainty of finding what they want

They are no longer using what we have. The value of our print collections to the University has declined rapidly.

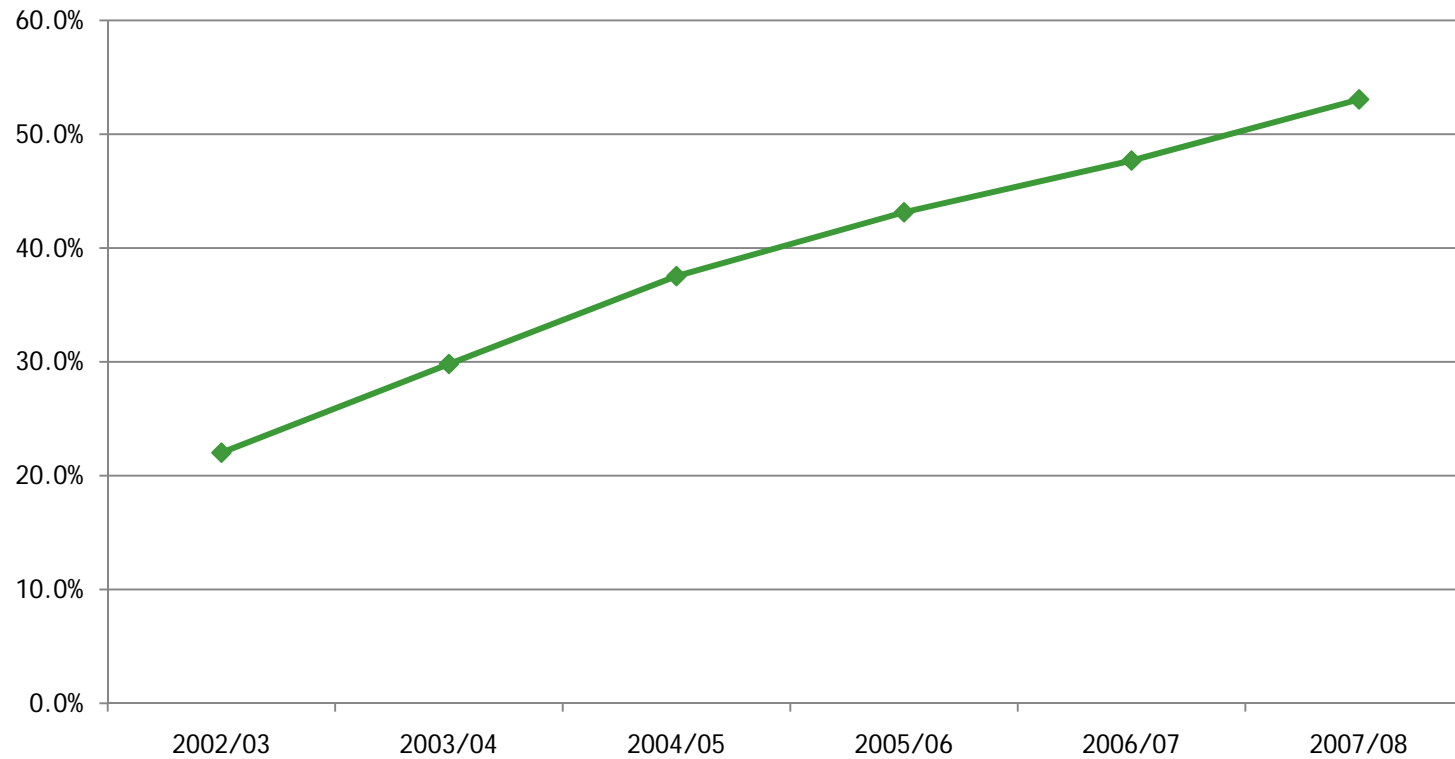
Circulation in an Aggregate Academic Collection



switch to e-books

Move from Print to Electronic Collections

ARL Medium % Expenditures on Electronic Resources



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Move from Print to Electronic Collections

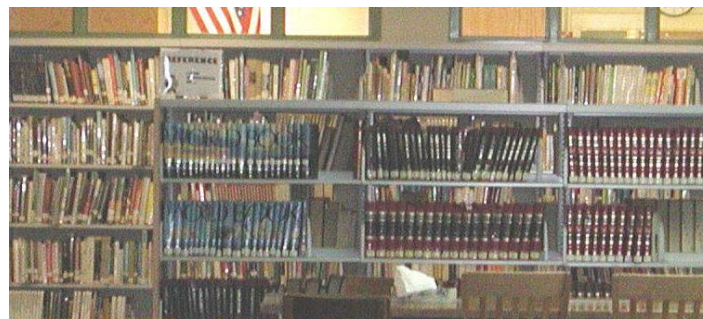
Complete for journals

- But we're still shelving unused paper



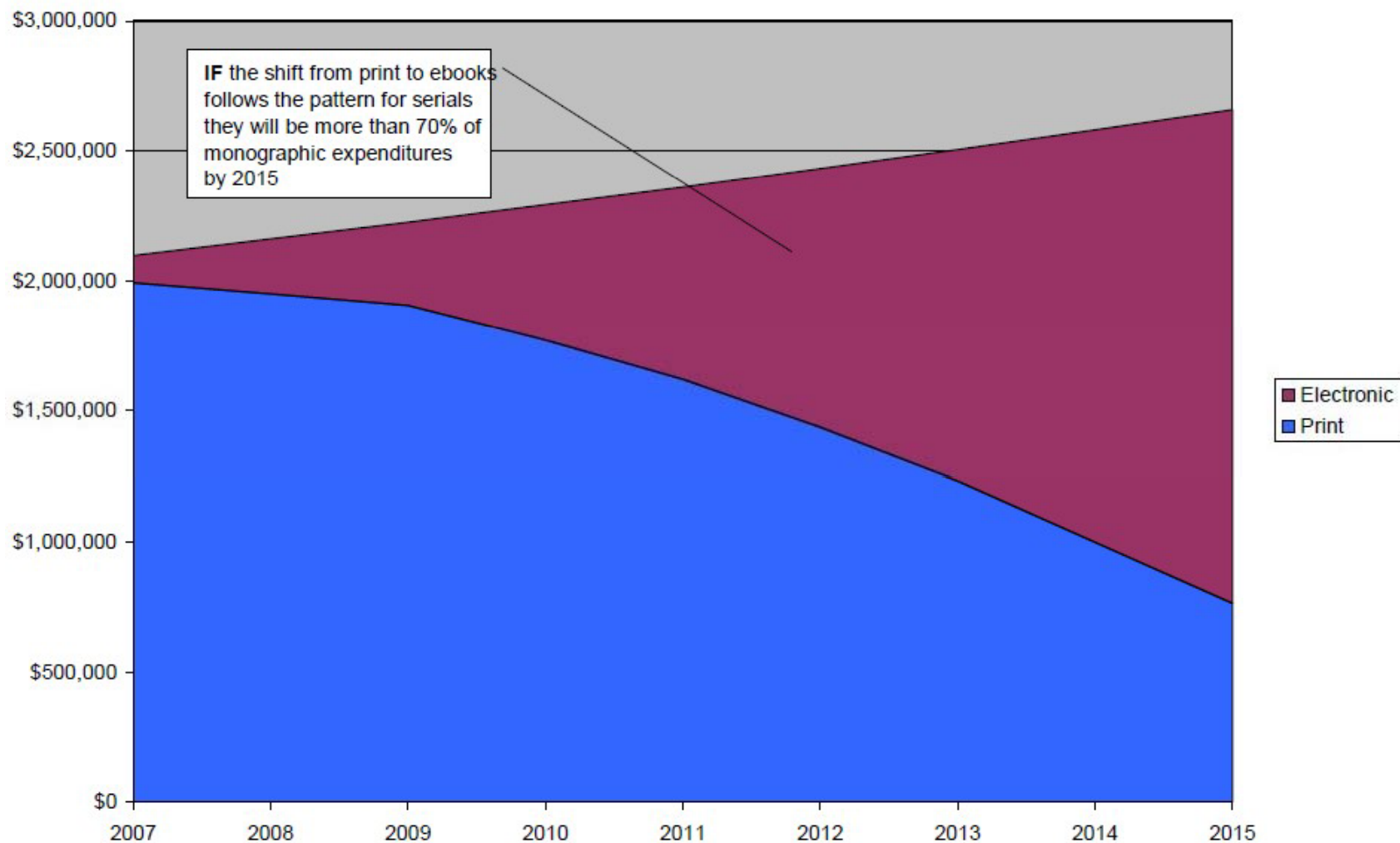
Nearly complete for reference works

- But we're still buying paper reference works



and the switch to primarily e-book purchasing will happen soon

Forecast Median ARL Expenditures for Monographs



Forecasts - Digital Availability of e-books - the publishers expect this switch

Current*	Segment	Five Years*		Ten Years#
		Front	Back	
25%	Trade:	85%	50%	100%
10%	Acad/Prof:	75%	30%	100%
	Text books:			
20%	College:	90%	10%	100%
1%	H/S:	20%	5%	50%

Memo:

*Assumes top tier publishers – 1,000 active publishers

Assumes any active publisher selling on Amazon.com

OCLC work commissioned from Michael Cairns.

Based on interviews with selection of industry experts.

Status of the switch to e-publications

- Complete for e-journals
- Will be primarily electronic for books soon

Combine with

- Mass digitization of legacy print collections
 - Google in USA - digitizing everything regardless of copyright status
 - Google participating libraries creating a joint platform to store, preserve and ultimately access their copies of the Google digital versions. The platform is run by the University of Michigan and called the Hathi Trust

www.hathitrust.org



Hathi Trust - current members

- California Digital Library
- Indiana University
- Michigan State University
- Northwestern University
- The Ohio State University
- Penn State University
- Purdue University
- UC Berkeley
- UC Davis
- UC Irvine
- UCLA
- UC Merced
- UC Riverside
- UC San Diego
- UC San Francisco
- UC Santa Barbara
- UC Santa Cruz
- The University of Chicago
- University of Illinois
- University of Illinois at Chicago
- The University of Iowa
- University of Michigan
- University of Minnesota
- University of Wisconsin-Madison
- University of Virginia

MOST OF THE US GOOGLE BOOK PARTNERS

Moving from Print to Electronic Books

IF

- E-book publishing will be the norm and
- Legacy print will be digitized (Google, Hathi, the Digitizing Academic Books in Japanese project)

THEN

- We can change the management of our existing print collections
- We can retire our legacy print collections

Retire Legacy Print Collections



Under way at many institutions



Discussions in process on collaborations and national programs

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Retiring Legacy Print Collections

- digital is much cheaper than the library or a storage facility



\$5.00 to \$13.10



\$28.77



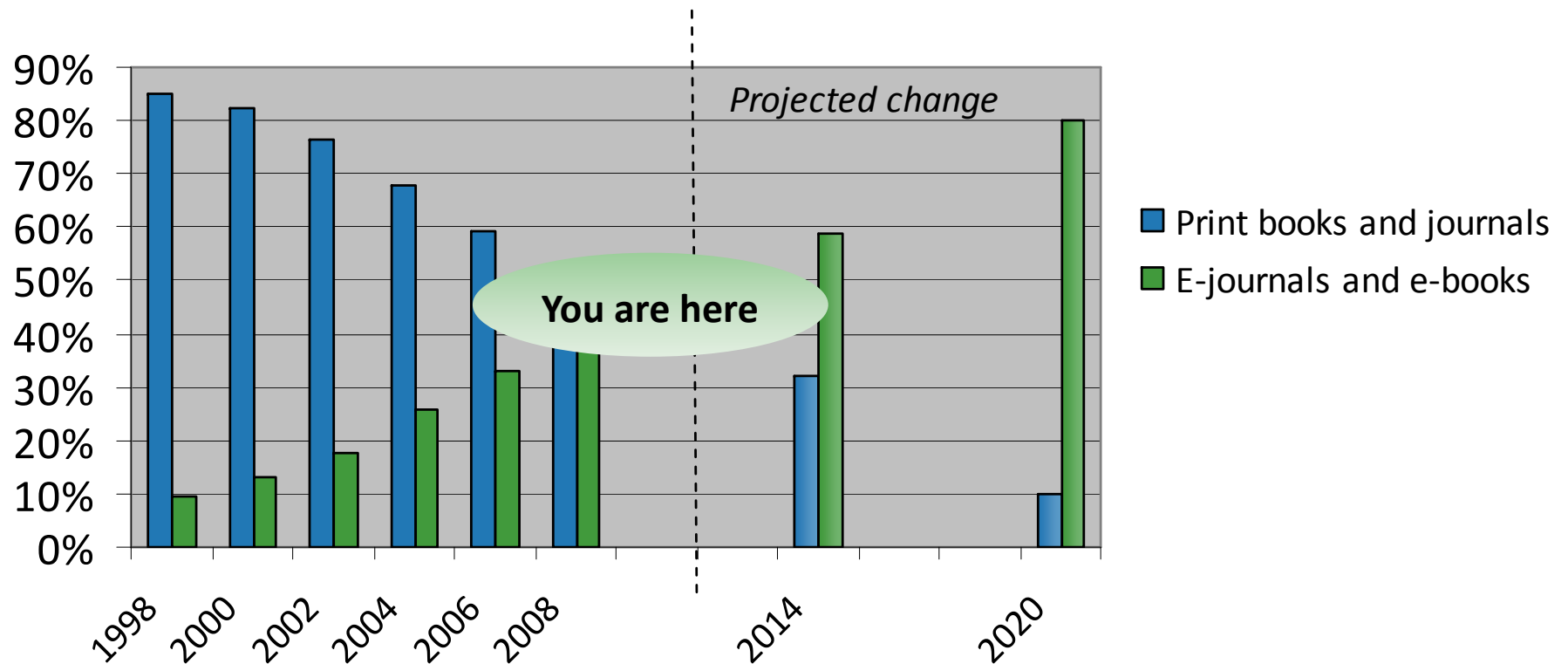
\$50.98 to \$68.43

Life cycle cost based on 3% discount rate. From Paul N. Courant and Matthew “Buzzy” Nielsen, “On the Cost of Keeping a Book,” in *The Idea of Order: Transforming Research Collections for 21st Century Scholarship*, CLIR, June 2010, available at: <http://www.clir.org/pubs/abstract/pub147abst.html>

implications

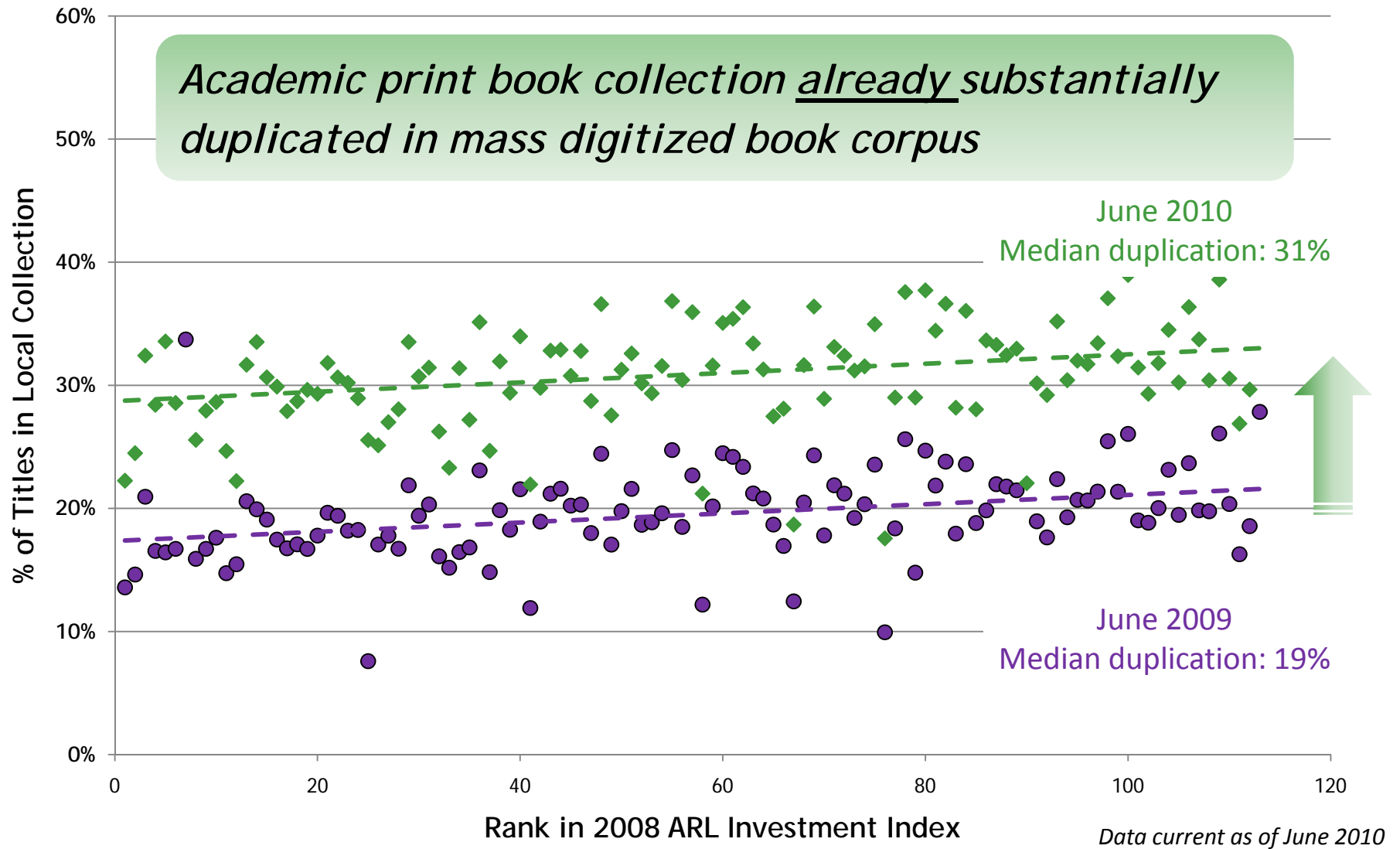
US Investment in Academic Print Collections

Academic Library Expenditures on Purchased and Licensed Content



Source: US Dept of Education, NCES, Academic Libraries Survey, 1998-2008

A global change in the library environment



Issues with Mass Digitization of Legacy Print materials

- Legal issues
 - Copyright
 - Orphan Works
 - Open Access
- Financial
- Technical
- Organizational
- National and trans-national obstacles

Thank you.

Jim Michalko

comments, questions and observations are welcome via email

Thanks to Lorcan Dempsey, David Lewis, Constance Malpas for their contributions...