

# **Future-proof Your Library Through Collaboration: Where Reference Meets Technology**

By

Stephen Ingram

Northport-East Northport Public Library

President CATS



Computer and Technical Services. A division of SCLA.

# Disruption

- an innovation that helps create a new market and value network, and eventually goes on to disrupt an existing market and value network (over a few years or decades), displacing an earlier technology.

[http://en.wikipedia.org/wiki/Disruptive\\_innovation](http://en.wikipedia.org/wiki/Disruptive_innovation)



Quick Facts: Librarians	
<a href="#">2010 Median Pay</a>	\$54,500 per year \$26.20 per hour
<a href="#">Entry-Level Education</a>	Master's degree
<a href="#">Work Experience in a Related Occupation</a>	None
<a href="#">On-the-job Training</a>	None
<a href="#">Number of Jobs, 2010</a>	156,100
<a href="#">Job Outlook, 2010-20</a>	7% (Slower than average)
<a href="#">Employment Change, 2010-20</a>	10,800

Employment of librarians is expected to grow by 7 percent from 2010 to 2020, which is slower than average for all occupations. There may be competition for librarian positions, but those with library science training may be able to use those skills in other settings.



## Quick Facts: Network and Computer Systems Administrators

<a href="#">2010 Median Pay</a>	\$69,160 per year \$33.25 per hour
<a href="#">Entry-Level Education</a>	Bachelor's degree
<a href="#">Work Experience in a Related Occupation</a>	None
<a href="#">On-the-job Training</a>	None
<a href="#">Number of Jobs, 2010</a>	347,200
<a href="#">Job Outlook, 2010-20</a>	28% (Faster than average)
<a href="#">Employment Change, 2010-20</a>	96,600

Employment of network and computer systems administrators is expected to grow 28 percent from 2010 to 2020, faster than the average for all occupations. Demand for these workers is high and should continue to grow as firms invest in newer, faster technology and mobile networks.



Computer and Technical Services. A division of SCLA.

# The Robots are coming

- "The spread of computers and the Internet will put jobs in two categories," Andreessen says. "People who tell computers what to do, and people who are told by computers what to do."

-- Marc Andreessen

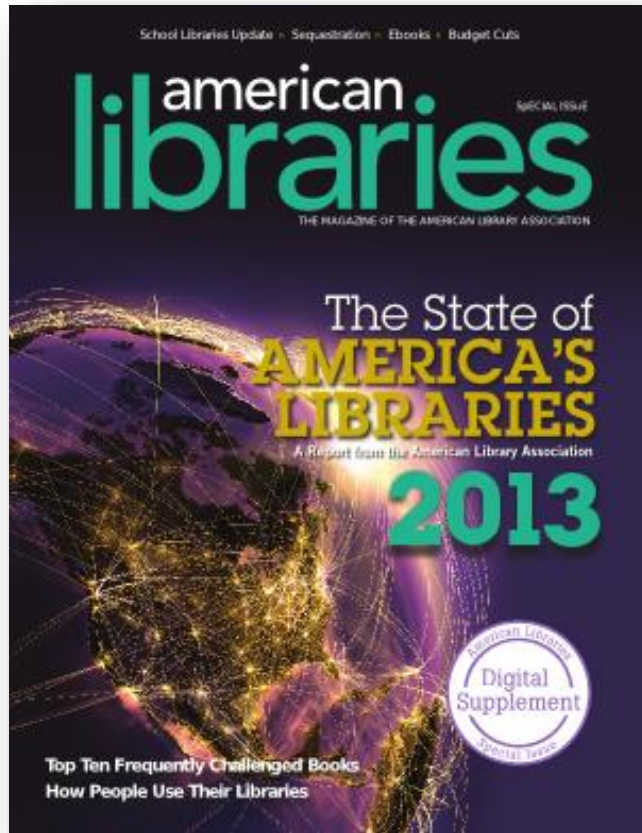


# The Software is coming

- The replacement of knowledge workers with software.



# The State of America's Libraries



Libraries and library staff continue to respond to the needs of their communities, providing key resources as budgets are reduced, speaking out forcefully against book banning attempts and advocating for free access to digital content in libraries, with a keen focus placed on ebook formats. These and other library trends of the past year are detailed in the ALA's 2013 State of America's Libraries Report.



# Pew Research Center: Library services in the digital age.



a project of the  
PewResearchCenter

JANUARY 22, 2013

## Library services in the digital age

*Patrons embrace new technologies – and would welcome more. But many still want printed books to hold their central place*

Kathryn Zickuhr  
Research Analyst, Pew Internet Project

Lee Rainie  
Director, Pew Internet Project

Kristen Purcell  
Associate Director, Research, Pew Internet Project

Pew Research Center's Internet & American Life Project  
1615 L St., NW – Suite 700  
Washington, D.C. 20036  
Phone: 202-419-4500

<http://libraries.pewinternet.org/2013/01/22/Library-services/>

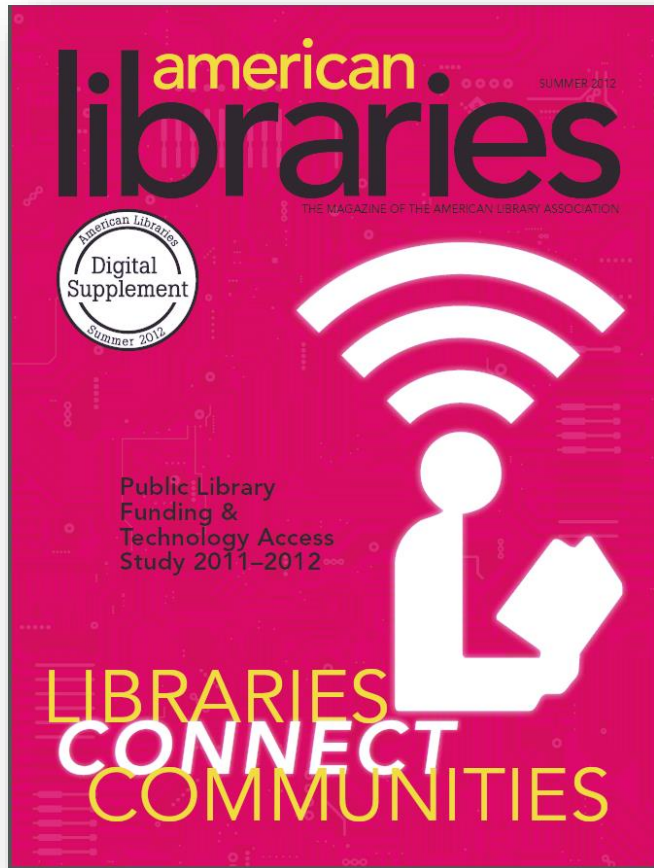
The internet has already had a major impact on how people find and access information, and now the rising popularity of e-books is helping transform Americans' reading habits. In this changing landscape, public libraries are trying to adjust their services to these new realities while still serving the needs of patrons who rely on more traditional resources. In a new survey of Americans' attitudes and expectations for public libraries, the Pew Research Center's Internet & American Life Project finds that many library patrons are eager to see libraries' digital services expand, yet also feel that print books remain important in the digital age.



Computer and Technical Services. A division of SCLA.



# Public Library Funding & Technology Access Study



Strategic vision and careful management have helped U.S. public libraries weather the storm of the Great Recession, supporting their role as a lifeline to the technology resources and digital skills essential to full participation in civic life and in the nation's economy. Libraries continue to transform lives by providing critical services and innovative solutions to technology access, in spite of years' worth of consecutive and cumulative budget cuts.



Computer and Technical Services. A division of SCLA.