

# ARC17

OCLC AMERICAS  
REGIONAL COUNCIL  
MEETING

Hello.

I'm the **Smarter** Library.



# The future of resource sharing

JAMES MICHALKO, THE INTERNET ARCHIVE

HILARY THOMPSON, UNIVERSITY OF MARYLAND LIBRARIES



**James Michalko**

Senior Strategist, The  
Internet Archive



**Hilary Thompson**

Head, Resource  
Sharing & Reserves,  
University of Maryland  
Libraries





## Hilary Thompson

Head, Resource  
Sharing & Reserves,  
University of Maryland  
Libraries



# The Future of Resource Sharing: The Big Ten Academic Alliance's Vision for Next Generation Discovery to Delivery Systems

University of Illinois ♦ Indiana University ♦ University of Iowa  
University of Maryland ♦ University of Michigan ♦ Michigan State University  
University of Minnesota ♦ University of Nebraska—Lincoln ♦ Northwestern University  
Ohio State University ♦ Pennsylvania State University ♦ Purdue University  
Rutgers University—New Brunswick ♦ University of Wisconsin—Madison

# Process for Envisioning the Future

2013: Framework for D2D Planning

2015: D2D Phase 2

2016: D2D Vision (comprehensive)

2017: [D2D Vision \(brief\)](#)

2017: Functional Requirements

<https://www.btaa.org/projects/library/discover-to-deliver/reports>

# The Visionaries

Bruce Barton, University of Wisconsin

Melissa Eighmy Brown, University of Minnesota

Zoe Chao and Angela Davis, Penn State University

Kurt Munson, Northwestern University

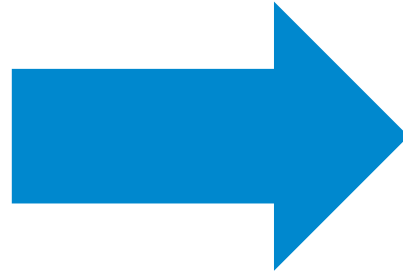
Ken Varnum, University of Michigan

# The Vision

System silos

Multiple discovery  
tools and accounts

Little to no control  
over communications



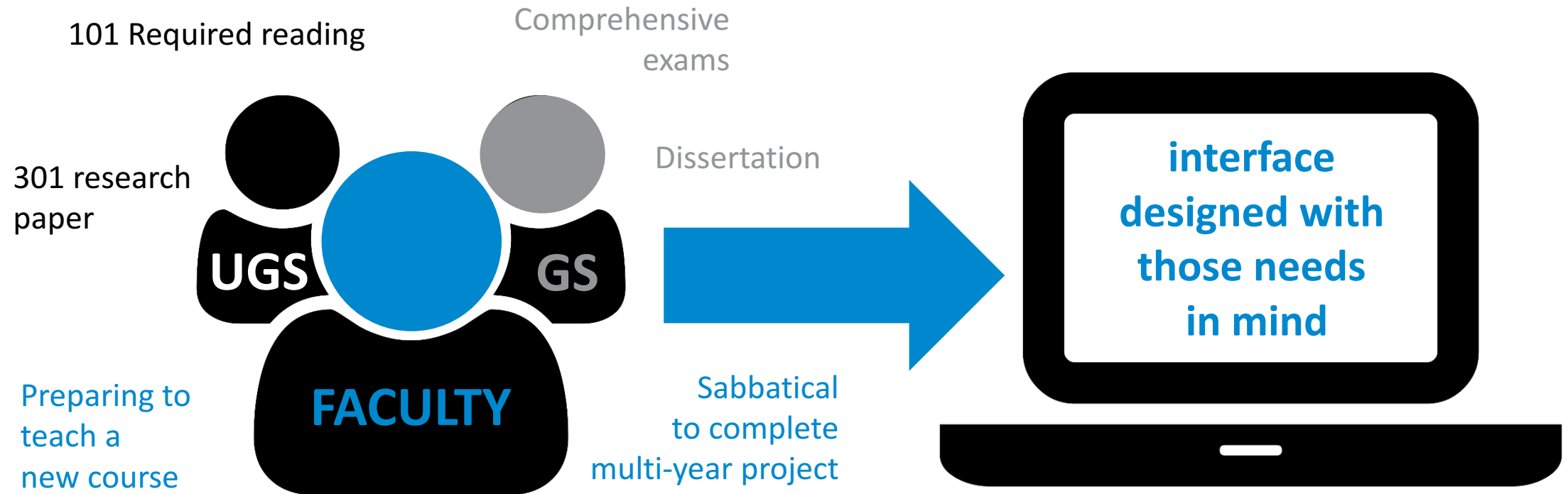
System interoperability

Unified patron interface

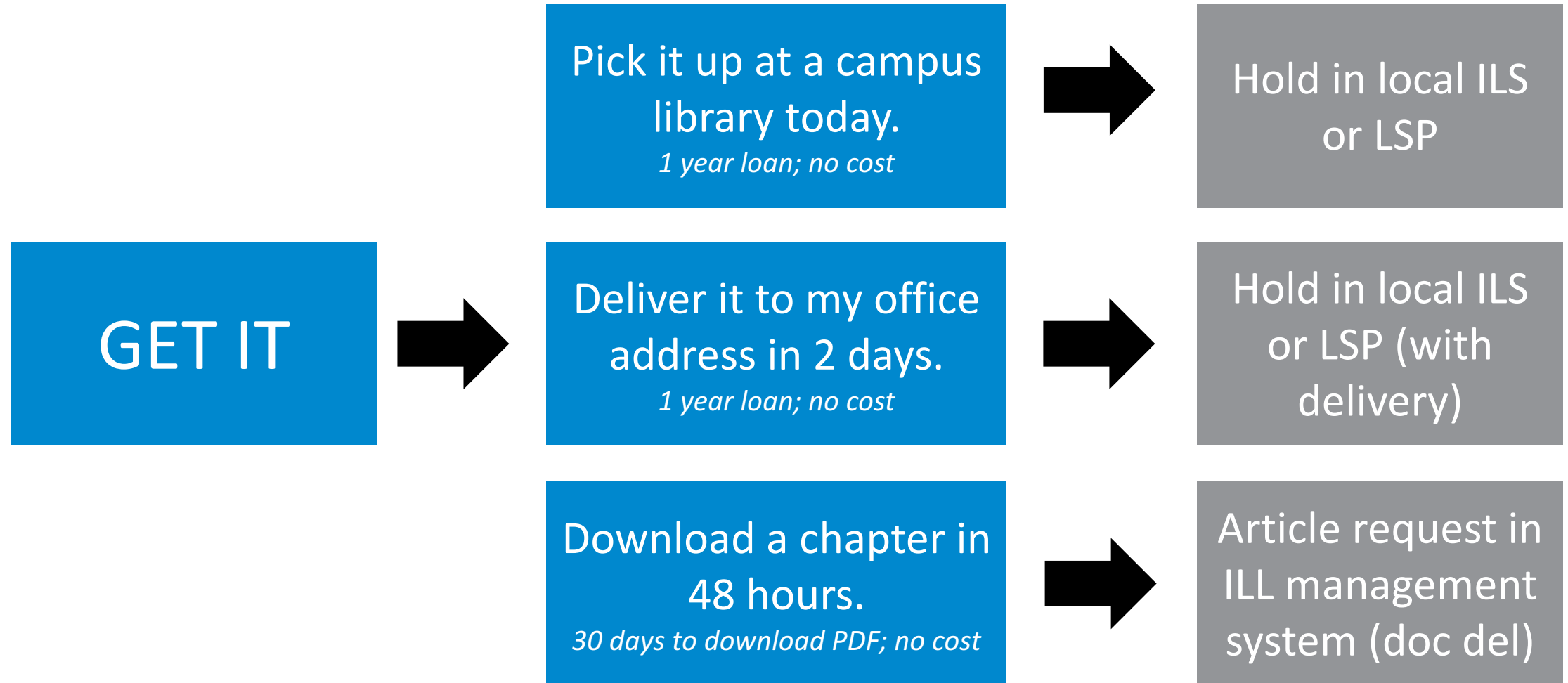
Patron choice



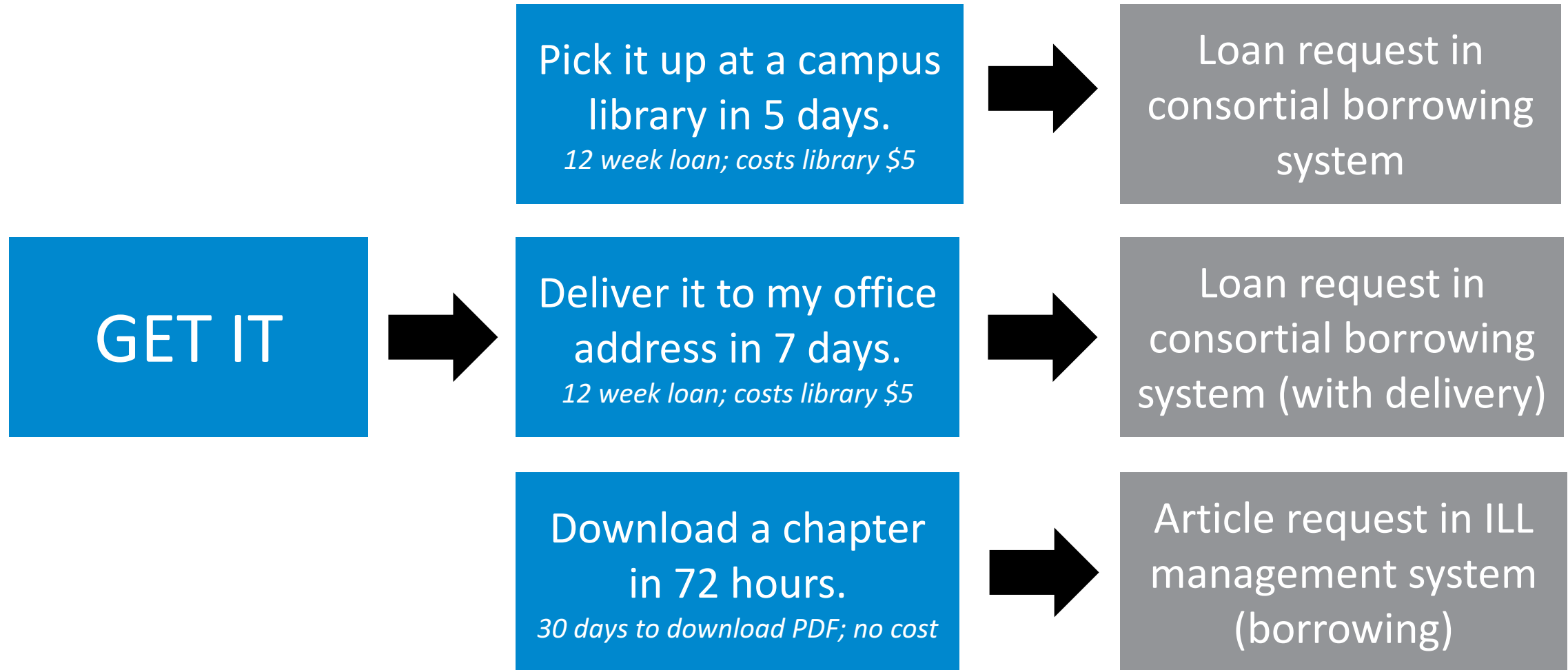
# Recognizes Diverse Patron Needs



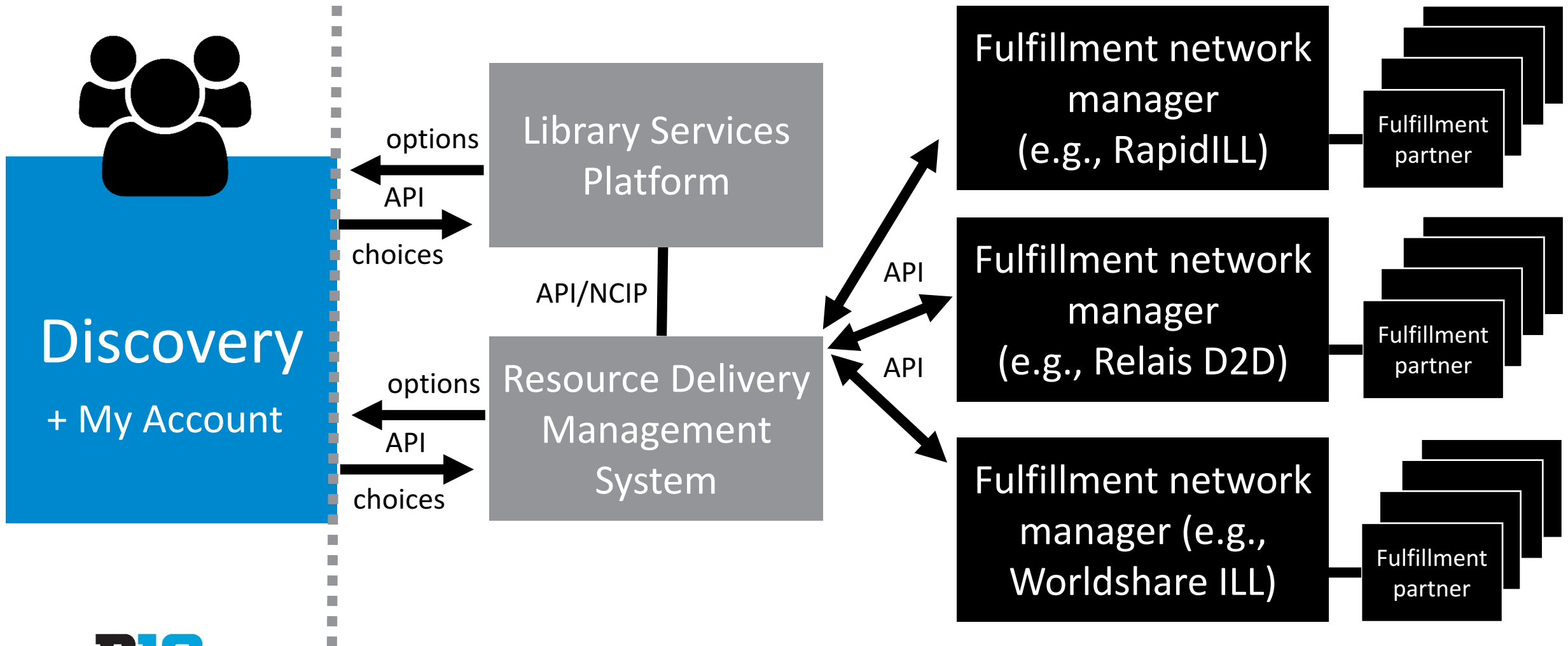
# Visualizing the Vision



# Visualizing the Vision



# How It Would Work



# Functional Requirements: Discovery inputs

1. Search terms
2. OpenURL, DOI, and other resolvable resource references
3. Citation entry box or upload point

Plus access options for resolved and unresolved searches



# Functional Requirements:

## Fulfillment options presented by discovery tool

1. Intelligent options display (keep it simple)
2. Order presentation options (guide patron)
3. Need by date and urgency metric (inform staff decisions)
4. Support patron service classes (align with local policy)

# Functional Requirements: Integration

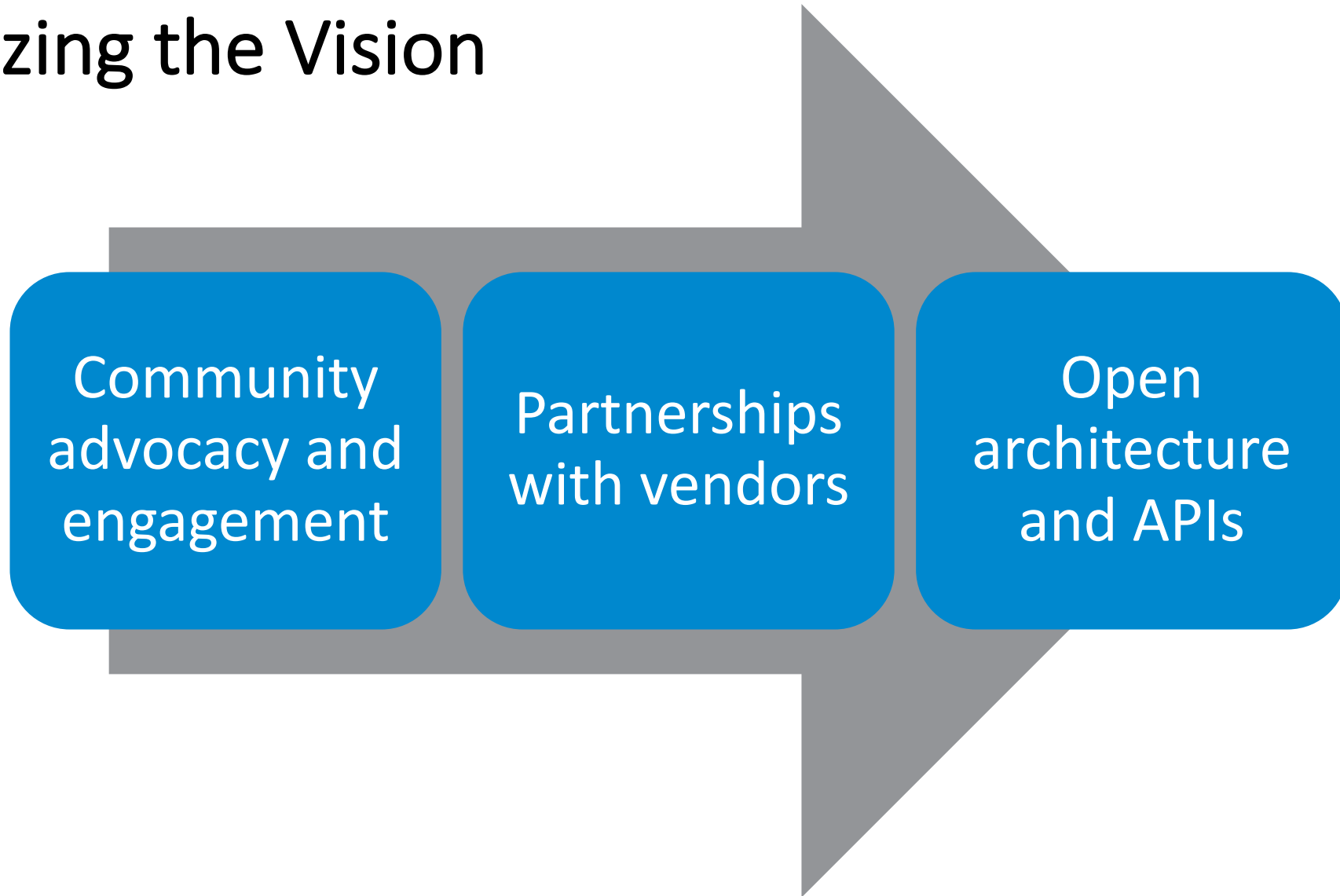
1. My Account
2. Communications
3. Systems integration

# Functional Requirements:

## Resource delivery management system

1. APIs and protocols
2. Staff interface
3. Use of standard identifiers
4. Flexibility and customization
5. Service integrations
6. Reporting and analysis
7. Test environment

# Realizing the Vision





**James Michalko**

Senior Strategist, The  
Internet Archive



The Future of Resource Sharing  
OCLC ARC Meeting 2017



# INTERNET ARCHIVE

The Open Libraries Project

- Creating a Digitize and Lend Service at-scale



# Jim Michalko

| SR. STRATEGIST, INTERNET ARCHIVE

A black and white photograph of a grand classical building facade. The image features a series of tall, fluted columns supporting a heavy entablature with a decorative frieze. Above the columns are three arched doorways, each topped with a circular medallion. The building is flanked by dark, leafy trees. A semi-transparent white rectangular box is centered over the middle of the image, containing the text "Universal Access to All Knowledge" in a bold, black, sans-serif font.

**Universal Access to All Knowledge**



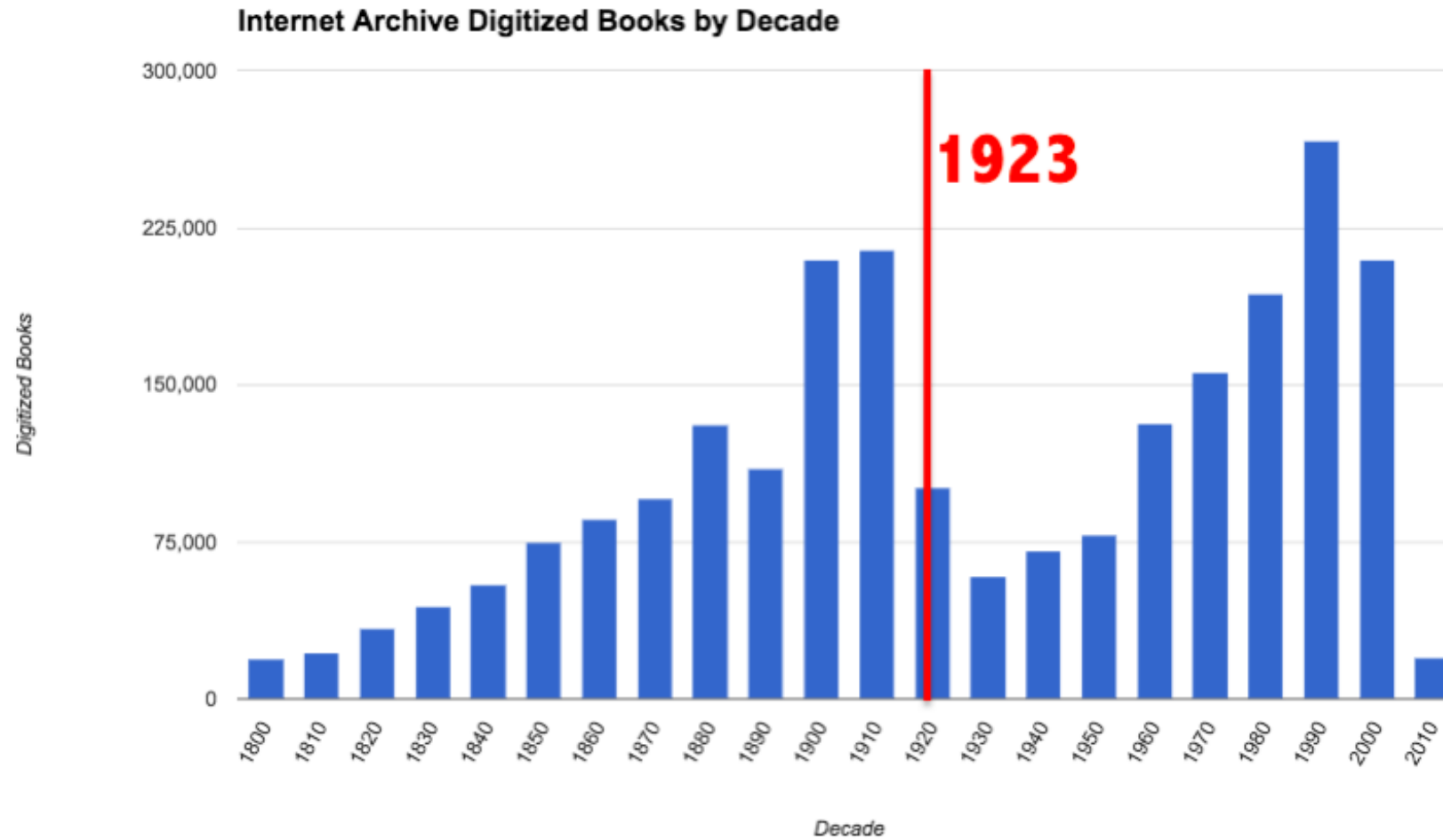
90,000	Software Titles
2,000,000	Moving Images
2,400,000	Audio Recordings
3,000,000	Hours of Television
<b>3,000,000</b>	<b>eBooks</b>
<b>284,000,000,000</b>	Web Pages



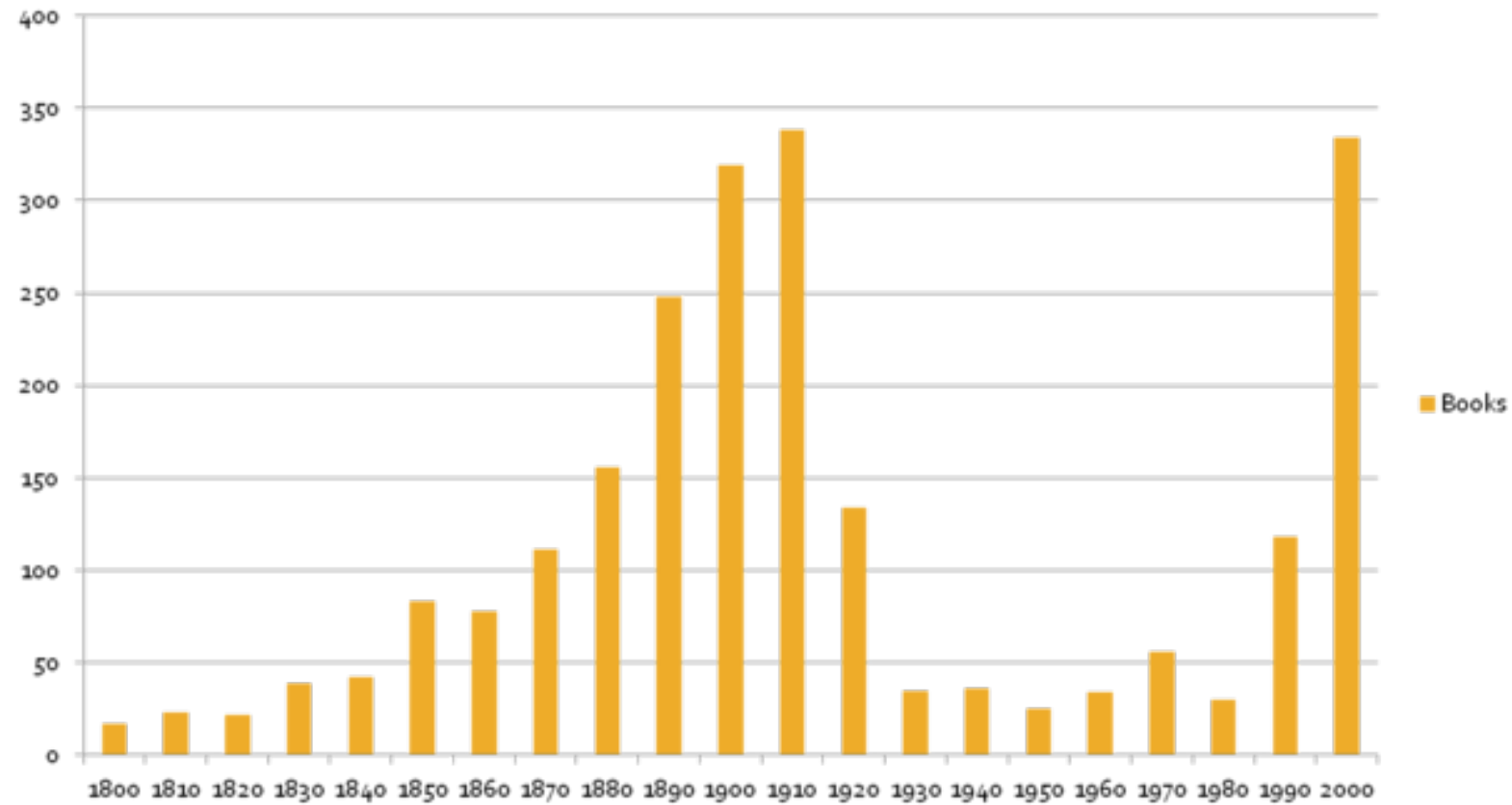


**If a book isn't digital,  
it's as if it doesn't even exist**





## New Books from Amazon Warehouse by Decade

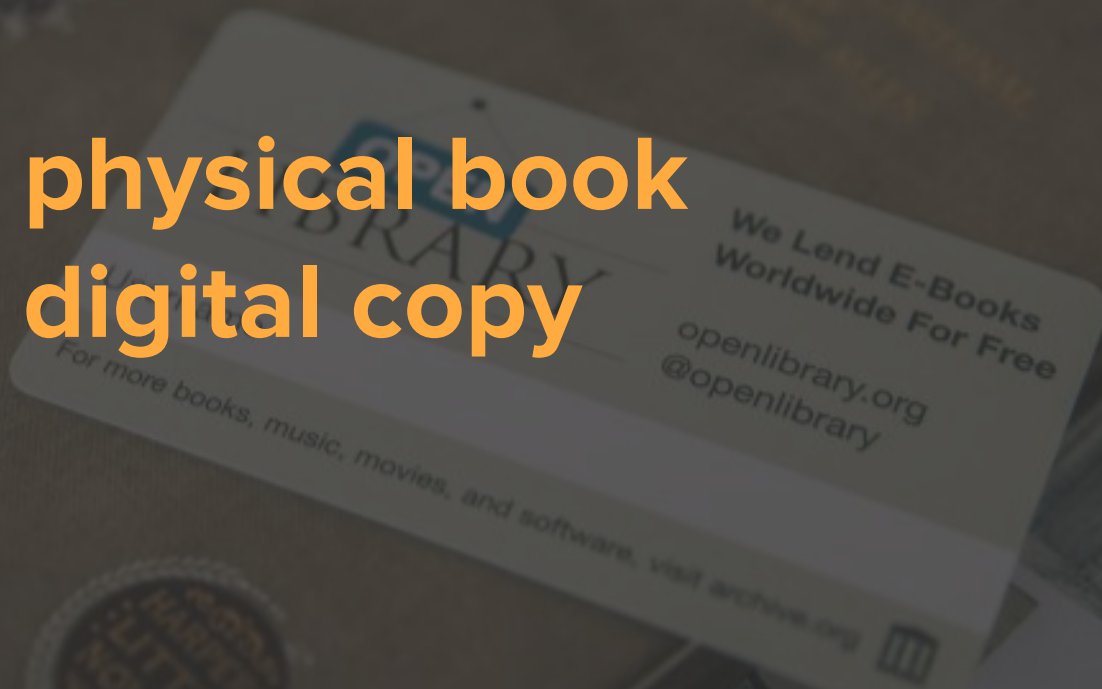


A photograph of two young boys sitting on the ground in a field of tall grass and brush. They are both wearing light blue short-sleeved shirts and dark shorts. The boy on the left is looking down at a laptop on his lap, and the boy on the right is also looking at a laptop on his lap. The background is a blurred field of tall grass and some bare branches. The overall lighting is soft and natural, suggesting an outdoor setting during the day.

**Free digital access to 4 million books**



# 1 physical book digital copy



Note: Items on Flickr currently have CC-BY license  
Original items linked in metadata are public domain

OpenLibrary.org  
\*One web page for each book





Red Hook, NY, Public Library, 2017  
*40,000 physical books*



Red Hook, NY, Public Library, 2020  
*40,000 books + 40,000 eBooks*



A photograph of a rural landscape. In the foreground, there is a field of snow with some dark patches. In the middle ground, there is a small, old, two-story house with a dark roof and a small porch. To the left of the house is a smaller, green structure. Behind the house, there is a line of trees. In the background, there is a dense forest of bare trees. The sky is a uniform, dark grey color.

**Overcome barriers to access**  
**distance**  
**time**  
**costs**  
**disabilities**

A photograph of a library interior. In the foreground, a person is seated at a wooden table, reading a book. The person is wearing a dark jacket and a dark beanie. The book they are reading has a blue cover with a white illustration of a building. In the background, there are tall wooden bookshelves filled with books. The lighting is warm and the overall atmosphere is quiet and studious.

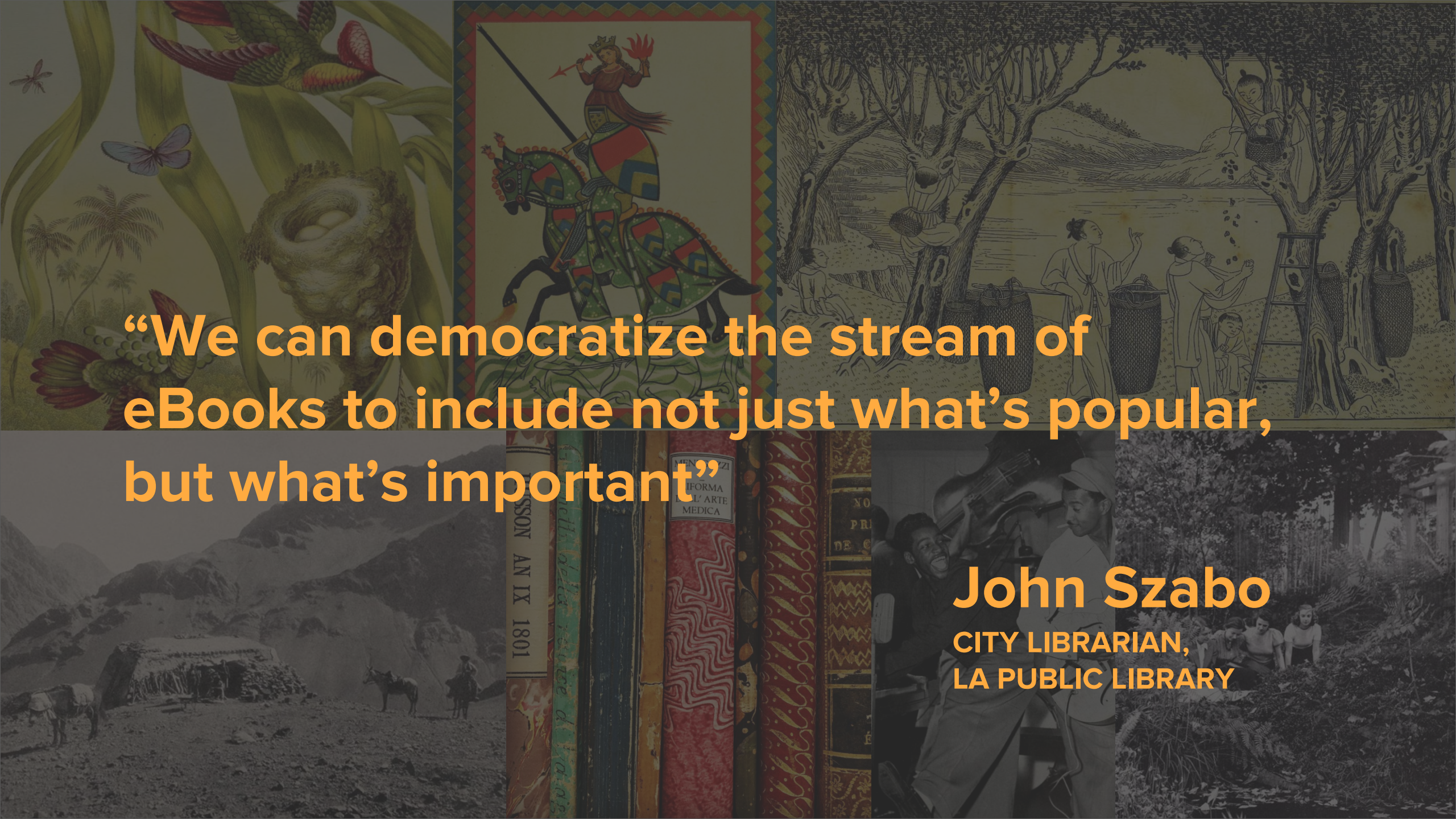
# **Library Values Incl. Reader Privacy**





**Building interoperable systems  
with technology partners**





**“We can democratize the stream of eBooks to include not just what’s popular, but what’s important”**

**John Szabo**

**CITY LIBRARIAN,  
LA PUBLIC LIBRARY**



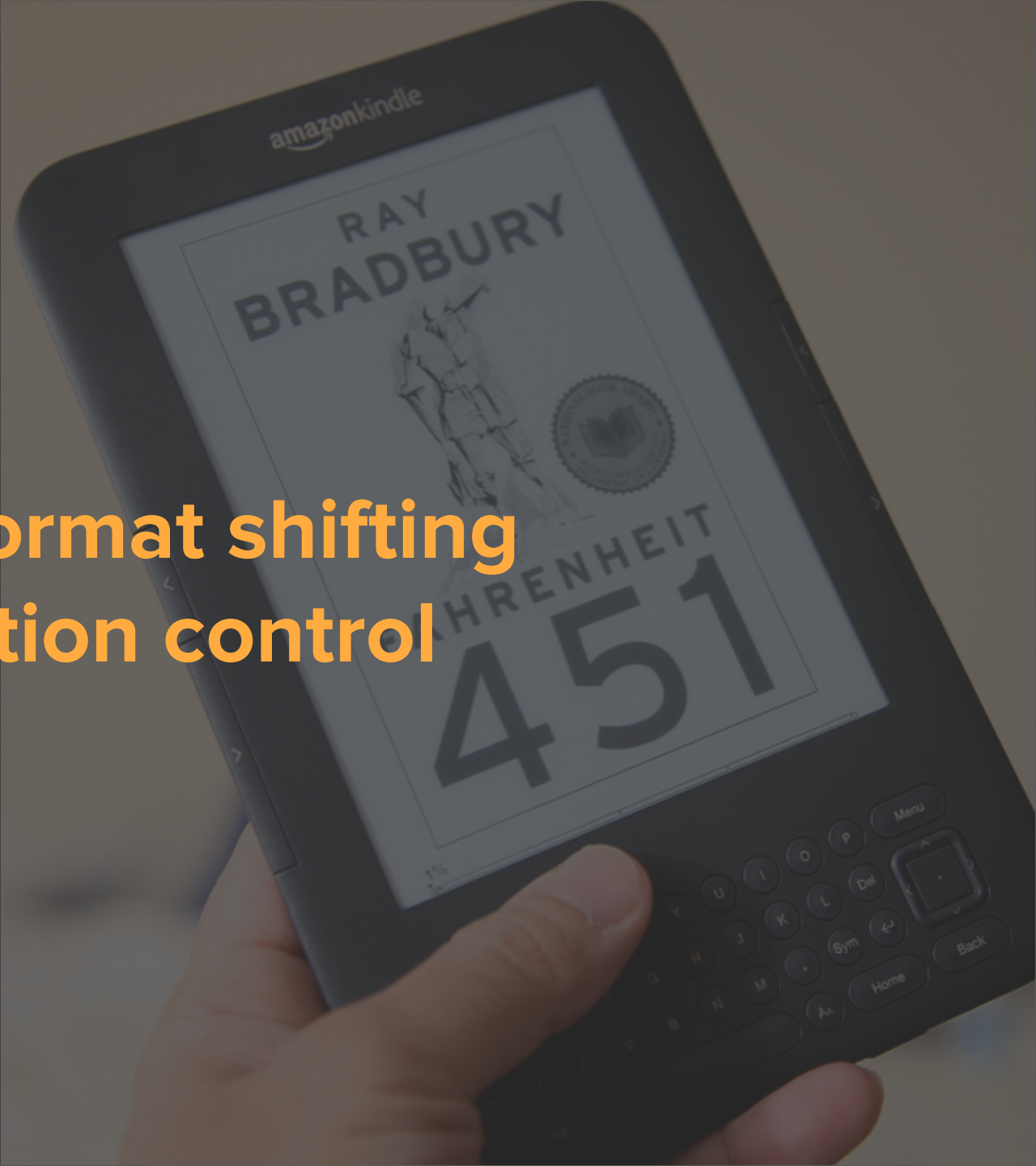
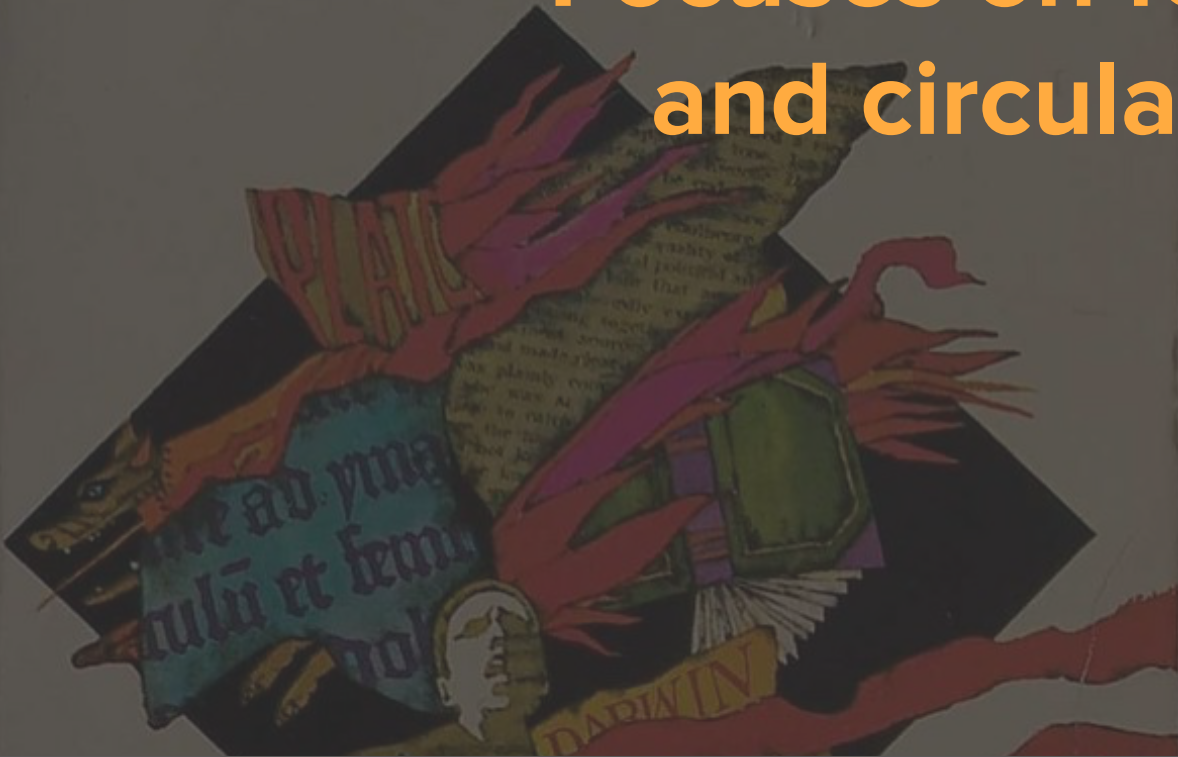
Long-term, public access to knowledge



# RAY BRADBURY FAHRENHEIT 451

"THE FINEST LIVING AMERICAN FANTASIST..."  
HARPER'S

Focuses on format shifting  
and circulation control



5798  
**SIGNET**  
**35¢**  
**GIANT**

A Startling View of Life in 1984  
Forbidden Love . . . Fear . . . Betrayal

# 1984

A Novel by **GEORGE ORWELL**



**A SIGNET GIANT**  
Complete and Unabridged

5798  
**SIGNET**  
**35¢**  
**GIANT**

A Startling View of Life in 1984  
Forbidden Love . . . Fear . . . Betrayal

# 1984

A Novel by **GEORGE ORWELL**



**A SIGNET GIANT**  
Complete and Unabridged





One web page for every book.

[Sarah Peterson](#) ▼

SUBJECTS

AUTHORS

ADD A BOOK

LISTS

RECENTLY

HELP

Search

☐ Only eBooks ☐ Search eBook text[Advanced](#)

7 editions of [1984](#) by [George Orwell](#) • [Add edition?](#)  
← Previous | Next →

Last edited by [Lestevenon](#)  
September 11, 2013 | [History](#)

Edit

<sup>NEW</sup> Share this: [Facebook](#) [Twitter](#)

[Manage Covers](#)**1984***a novel*by [George Orwell](#)Published **1950** by [New American Library of World Literature](#) in [New York, NY](#).Written in [English](#).**Edition Notes**

1st Americ. ed.: New York, NY : Harcourt, Brace, 1949. – Orig. publ. as: Nineteen eighty-four. – London : Secker & Warburg, 1949.

Series

Signet book ; 798

**The Physical Object**

Format

Paperback

Pagination

237 p.

Dimensions

18 x x centimeters

**ID Numbers**

Open Library

OL25430720M

**Read**

No readable version available.

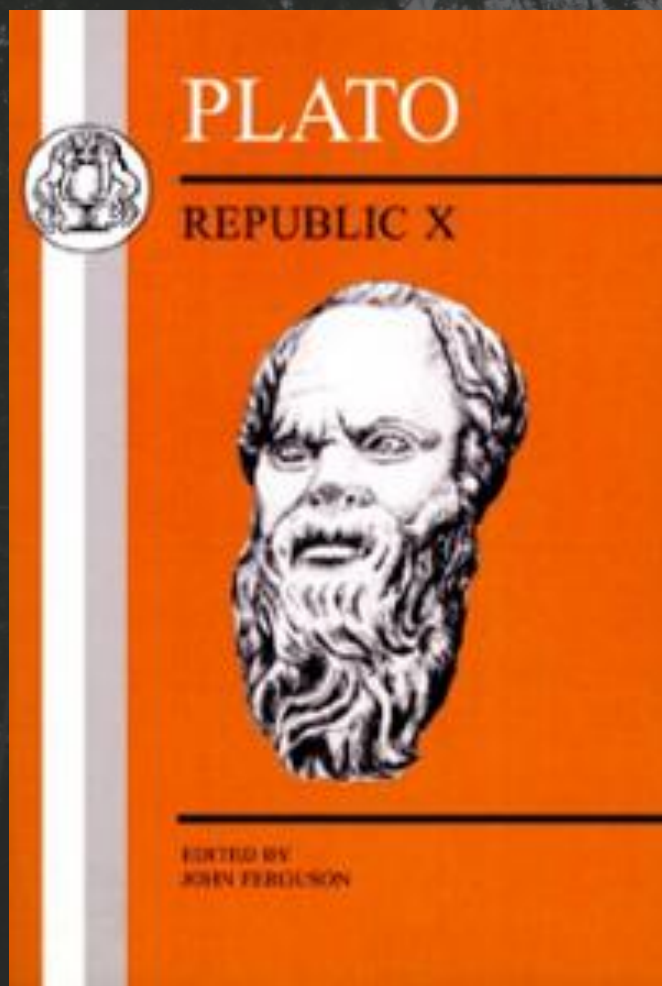
**Borrow**Try a [WorldCat](#) search?**Buy**[Add an ISBN](#) to link to booksellers**Lists**

Add to list ▼

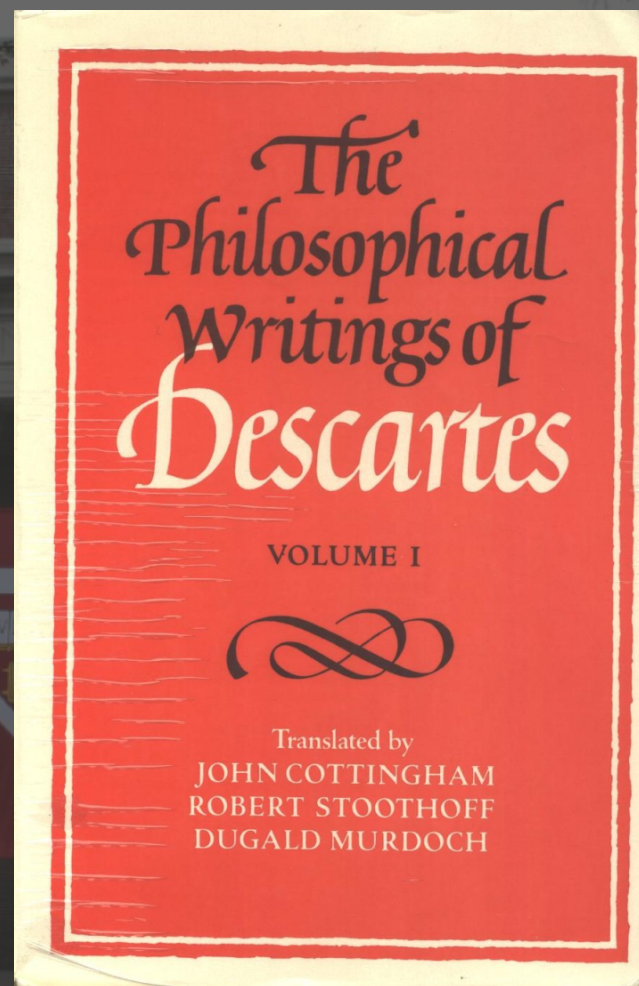
A photograph of two people in business suits shaking hands, centered in the frame. The background is a blurred pattern of binary code (0s and 1s) in shades of orange and red. The text "Full and fair use" is overlaid in the center in a bold, orange font.

**Full and fair use**





Offsite storage: \$20

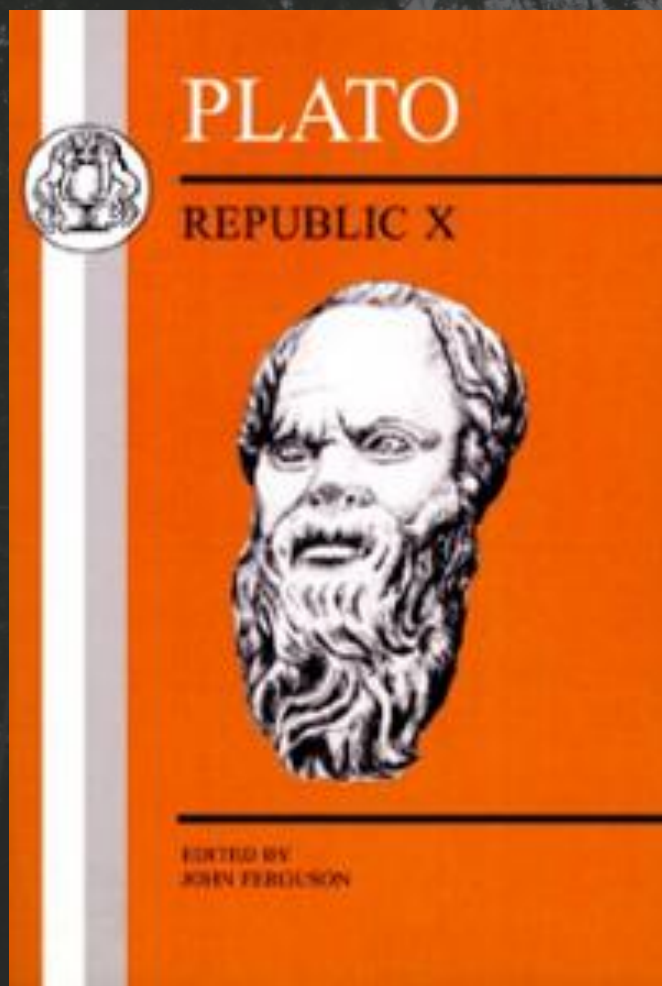


Interlibrary loan: \$35

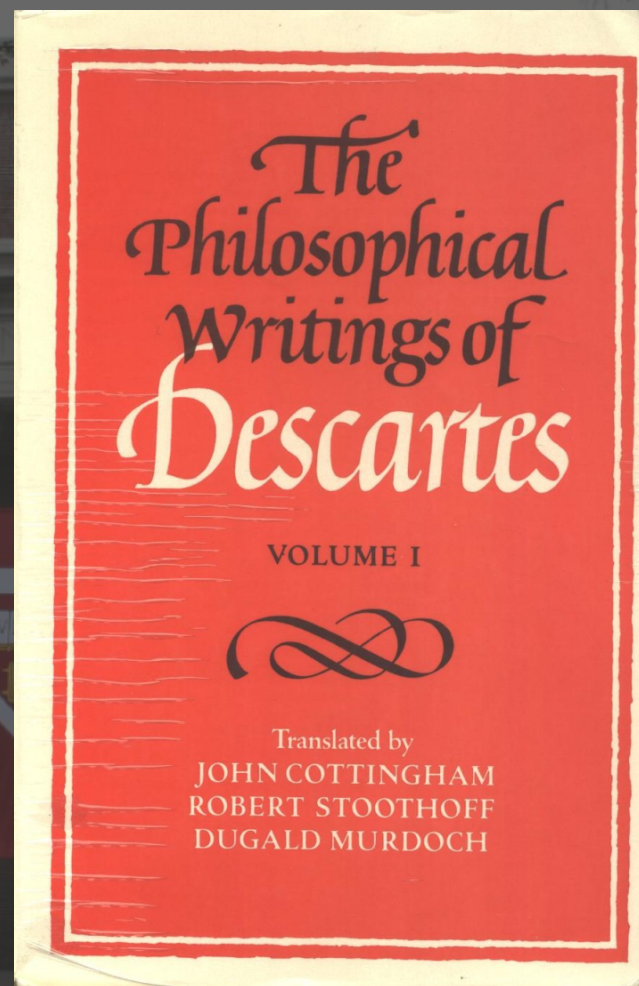


2012 Total: \$300 million

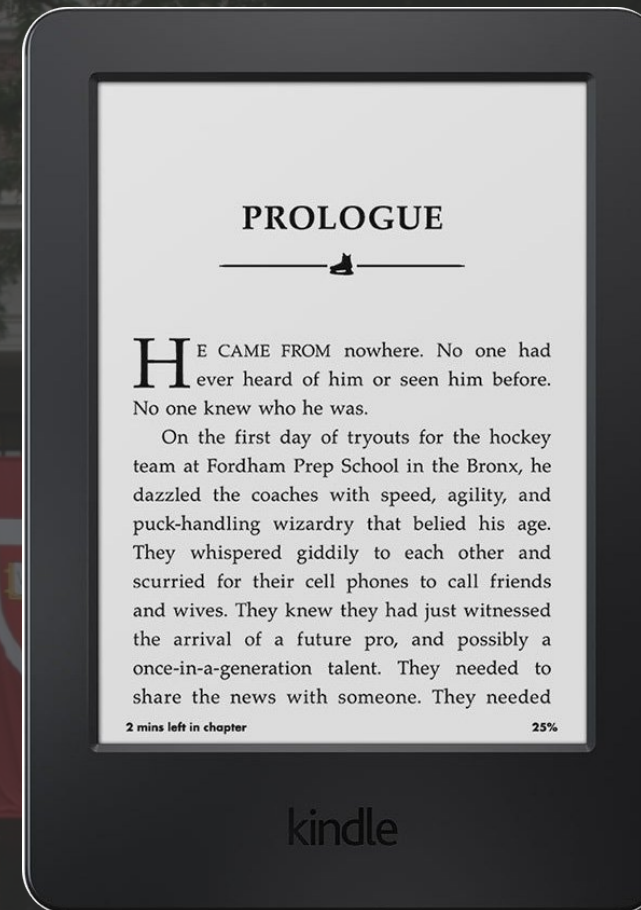




Offsite storage: \$20



Interlibrary loan: \$35



eBook: \$0





**Cost recovery that fits libraries,  
while maintaining  
absolutely free access to books for patrons**

SUBJECTS

AUTHORS

LISTS

ADD A BOOK

RECENTLY

HELP



One web page for every book.

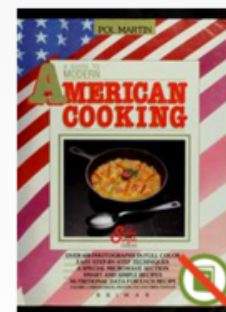
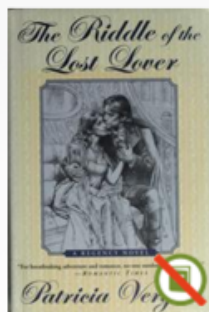
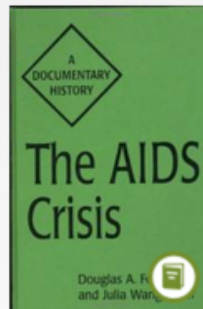
Search

☐ Only eBooks ☐ Search eBook text

[Advanced](#)

## Borrow Modern eBooks

[Read](#) | [Borrow](#) | [How it Works](#) | [Stats](#)





[SUBJECTS](#)[AUTHORS](#)[ADD A BOOK](#)[LISTS](#)[RECENTLY](#)[HELP](#)

One web page for every book.

☐ Only eBooks ☐ Search eBook text [Search](#)[Advanced](#)

## Our Mayflower ancestors and their descendants

[1 edition](#)Last edited by [BorrowBot](#)  
April 7, 2011 | [History](#)[Edit](#)[NEW](#) Share this: [Facebook](#) [Twitter](#)By [Jocelyn Hart Faux](#)Ack! There's no description for this book yet. Can you [help](#)?

### SUBJECTS

[Pilgrims \(New Plymouth Colony\)](#), [Genealogy](#), [Accessible book](#), [Protected DAISY](#), [Lending library](#)

### PEOPLE

[Tilley family](#), [Howell family](#), [Howland family](#), [Henderson family](#)There is only 1 edition record, so we'll show it here... • [Add edition?](#)

### Our Mayflower ancestors and their descendants

*10 generations from Howland-Tilley to Henderson-Howell*

Jocelyn Hart Faux.

Published 1994 by [Linrose Pub. Co.](#) in [Fresno, Calif.](#)Written in [English](#).

### Edition Notes

Includes bibliographical references and index.

### Classifications

Dewey Decimal Class 929/.2/0973

Library of Congress CS71.H864 1994

### The Physical Object

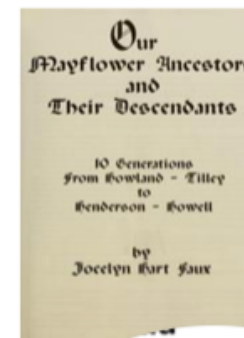
Pagination xxi, 625 p. :

Number of pages 625

### ID Numbers

Open Library OL905152M

Internet Archive ourmayflowerance00faux

[DAISY](#)

### Borrow

Read in-browser or download the  
ePub / PDF from [Boston Public Library](#)[Borrow eBook](#)[Find a physical copy near you](#) —  
powered by [WorldCat](#)[Add](#)

### Buy



**Our Mayflower ancestors and their descendants**  
← Back to book details on Open Library



Return Book



PDF/ePub

inside this book



Digitized by the Internet Archive  
in 2010 with funding from  
Boston Public Library

<http://www.archive.org/details/ourmayflowerance00faux>

# Our Mayflower Ancestors and Their Descendants

10 Generations  
from Howland - Tilley  
to  
Henderson - Howell

by  
Jocelyn Hart Faux



SIGN IN



Search

This book is currently on loan.

Log In and Place Hold

Our  
Mayflower Ancestors  
and  
Their Descendants  
from  
Howland-Tilley to  
Henderson-Howell  
by  
Jocelyn Hart Faux



## Our Mayflower ancestors and their descendants : 10 generations from Howland-Tilley to Henderson-Howell

by Faux, Jocelyn Hart, 1929-

Published 1994

Topics Howland family, Tilley family, Henderson family, Howell family, Pilgrims (New Plymouth Colony)

SHOW MORE



### DOWNLOAD OPTIONS

DAISY	1 file
EPUB	1 file
KINDLE	1 file

SHOW ALL

8 Files

Mechanics' Institute Library

LoginHelpNew Search

Modify Search

KEYWORDturing

SEARCH

15 results found. Sorted by **relevance** | date | title .

Add Selected to Book Bag

Add All on Page to Book Bag

Save Selected to My Lists

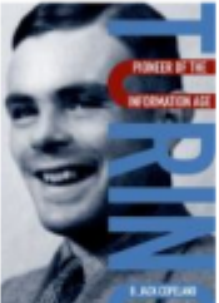
KEYWORDS (1-15 of 15)

Most relevant titles  
■■■■■ entries 1-5

1

BOOK

E-BOOK



Turing : pioneer of the information age

Copeland, B. Jack, 1950-

Oxford University Press, 2012

LOCATION

Balcony 2B

CALL NO.

510.92 T93c

STATUS

CHECK SHELVES

Additional Info

Request A Hold

# Delaware County, OH Library

<https://archive.org/details/delawarecountydistrictlibrary>

# St. Mary's County, MD Library

<https://archive.org/details/stmaryscountylibrary>



# Smithsonian Libraries

<https://archive.org/details/smithsonianlibraries>



New York  
Public  
**Library**



**BOSTON**  
PUBLIC LIBRARY



**Northeastern University**  
*University Libraries*







## Calendar for Vegetable Garden

Sowing Seed and Planting Out  
Vegetables in Following Months

### JANUARY AND FEBRUARY

SOW—	Kale	Peas
Beets	Lettuce	Radishes
Carrots	Onion	Spinach
Early Cabbage	Parsnip	Turnip
PLANT—	Potatoes	Cabbage

### MARCH

In addition to list for January and February add:

SOW—		
Late Cabbage	Cucumber	Tomatoes
Sweet Corn	Musk Melon	Watermelon
Egg Plant	Squash	Beans
PLANT—	Cabbage	Tomatoe

### APRIL

Sow seed and plant same as for March with following additions:

Pepper plants and seed	Egg Plant and Seed
------------------------	--------------------

### MAY

Sow seed same as for foregoing months.

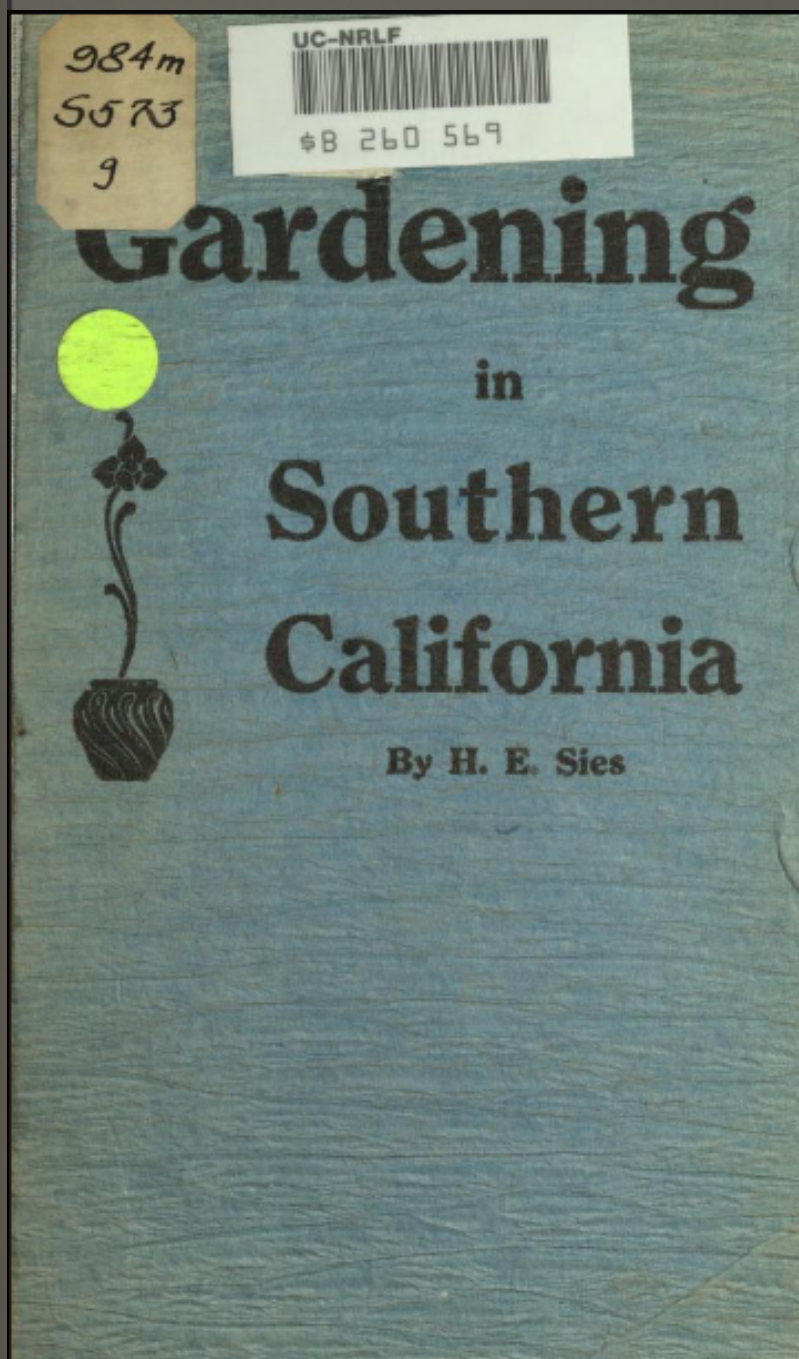
PLANT—	Egg Plant	Tomatoe
Cabbage	Pepper	Sweet Potatoes

### JUNE

SOW—		
Beans	Lettuce	Pepper
Beets	Musk Melon	Pumpkin
Cucumber	Onion	Radish
Sweet Corn	Parsnip	Squash
Egg Plant	Peas	Watermelon

PLANT—

Same as for May.



### JULY

SOW—

Beans  
Beets  
Lettuce

Onion  
Pumpkin

Radish  
Summer Squash

PLANT—

Cabbage

Cauliflower

### AUGUST

SOW—

Beans  
Beets  
Early Cabbage  
Cauliflower

Kale  
Lettuce  
Onion

Peas  
Radish  
Tomatoes \*

\*For winter crop in frostless sections.

PLANT—

Potatoes

### SEPTEMBER

SOW—Same as for August with addition of Parsnips.

PLANT—

Potatoes

### OCTOBER

Same as for August with exception of omitting Tomatoes.

### NOVEMBER AND DECEMBER

Same as for October.

You can sow every month in the year:

Beets  
Carrots

Lettuce  
Radish

Turnips

Plant Onion sets all year round.



# Calendar for Veg

Sowing Seed and  
Vegetables in Foll

## JANUARY AND

SOW— Kale  
Beets Lettuce  
Carrots Onion  
Early Cabbage Parsnip  
PLANT— Potatoes

## MARC

In addition to list for January

SOW—  
Late Cabbage Cucumber  
Sweet Corn Musk Melon  
Egg Plant Squash  
PLANT— Cabbage

## APRI

Sow seed and plant same as fo  
ditions:

Pepper plants and seed

## MAY

Sow seed same as for foregoi

PLANT— Egg Plant  
Cabbage Pepper

## JUNE

SOW—  
Beans Lettuce  
Beets Musk Melon  
Cucumber Onion  
Sweet Corn Parsnip  
Egg Plant Peas

PLANT—  
Same as for May.

THIS BOOK IS DUE ON THE LAST DATE  
STAMPED BELOW

AN INITIAL FINE OF 25 CENTS  
WILL BE ASSESSED FOR FAILURE TO RETURN  
THIS BOOK ON THE DATE DUE. THE PENALTY  
WILL INCREASE TO 50 CENTS ON THE FOURTH  
DAY AND TO \$1.00 ON THE SEVENTH DAY  
OVERDUE.

APR 25 1939

JUN 2 1985

RECIRC MAR 19 1985

LD 21-95m-7

GENERAL LIBRARY - U.C. BERKELEY



8000794710

395100

UNIVERSITY OF CALIFORNIA LIBRARY

## JULY

Onion  
Pumpkin

Radish  
Summer Squa

Cabbage

Cauliflower

## AUGUST

Kale  
Lettuce  
Onion

Peas  
Radish  
Tomatoes \*

n frostless sections.

Potatoes

## SEPTEMBER

August with addition of Parsnips.

Potatoes

## OCTOBER

st with exception of omitting Tomat

## MBER AND DECEMBER

ber.

y month in the year:

Lettuce  
Radish

Turnips

all year round.

# Calendar for Vegetables

Sowing Seed and Planting  
Vegetables in Following Months

## JANUARY AND FEBRUARY

SOW— Kale  
Beets Lettuce  
Carrots Onion  
Early Cabbage Parsnip  
PLANT— Potatoes

## MARCH

In addition to list for January and February

SOW— Cucumber  
Late Cabbage Musk Melon  
Sweet Corn Squash  
Egg Plant  
PLANT— Cabbage

## APRIL

Sow seed and plant same as for March under same conditions:

Pepper plants and seed

## MAY

Sow seed same as for foregoing months

PLANT— Egg Plant  
Cabbage Pepper

## JUNE

SOW— Lettuce  
Beans Musk Melon  
Beets Onion  
Cucumber Parsnip  
Sweet Corn Peas  
Egg Plant

PLANT—

Same as for May.

# Gardening

in

## Southern California

BY

H. E. SIES

SAN DIEGO, CALIFORNIA



UNIV. OF CALIFORNIA

Price, 50 Cents

## JULY

Onion  
Pumpkin

Radish  
Summer Squash

Cabbage

Cauliflower

## AUGUST

Kale  
Lettuce  
Onion

Peas  
Radish  
Tomatoes \*

in frostless sections.

Potatoes

## SEPTEMBER

or August with addition of Parsnips.

Potatoes

## OCTOBER

August with exception of omitting Tomatoes.

## NOVEMBER AND DECEMBER

October.

every month in the year:

Lettuce  
Radish

Turnips

is all year round.





**More equitable access to patrons**





**More equitable access to patrons**  
**More people-oriented space**



**More equitable access to patrons**  
**More people-oriented space**  
**Save money**

# Status?

- Sourcing the collection
- Building the digitization pipeline
- Developing the partner connections
- Planning the early adopter launch
- Seeking supplemental funding
- Socializing the idea
- Proselytizing participation

More info:

<http://openlibraries.online/>

[jmichalko@gmail.com](mailto:jmichalko@gmail.com)



# Thank you!