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
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University of Maryland Libraries
The Future of Resource Sharing:
The Big Ten Academic Alliance’s Vision for Next Generation Discovery to Delivery Systems
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

101 Required reading

301 research paper

Preparing to teach a new course

Comprehensive exams

Dissertation

Sabbatical to complete multi-year project

interface designed with those needs in mind
Visualizing the Vision

GET IT

Pick it up at a campus library today.
1 year loan; no cost

Deliver it to my office address in 2 days.
1 year loan; no cost

Download a chapter in 48 hours.
30 days to download PDF; no cost

Hold in local ILS or LSP

Hold in local ILS or LSP (with delivery)

Article request in ILL management system (doc del)
Visualizing the Vision

GET IT

Pick it up at a campus library in 5 days.  
12 week loan; costs library $5

Loan request in consortial borrowing system

Deliver it to my office address in 7 days.  
12 week loan; costs library $5

Loan request in consortial borrowing system (with delivery)

Download a chapter in 72 hours.  
30 days to download PDF; no cost

Article request in ILL management system (borrowing)
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

- Community advocacy and engagement
- Partnerships with vendors
- Open architecture and APIs
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 |
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
3,000,000  eBooks
284,000,000,000  Web Pages
If a book isn’t digital, it’s as if it doesn’t even exist
Free digital access to 4 million books
1. physical book
2. digital copy
Red Hook, NY, Public Library, 2017
40,000 physical books

Red Hook, NY, Public Library, 2020
40,000 books + 40,000 eBooks
Overcome barriers to access distance time costs disabilities
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
Focuses on format shifting and circulation control
1984
a novel
by George Orwell
Published 1950 by New American Library of World Literature in New York, NY.
Written in English.

Edition Notes
Series Signet book ; 798

The Physical Object
Format Paperback
Pagination 237 p.
Dimensions 18 x x centimeters

ID Numbers
Open Library OL25430720M
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
Our Mayflower ancestors and their descendants

By Jocelyn Hart Faux

Ack! There's no description for this book yet. Can you help?

Edition Notes
Includes bibliographical references and index.

Classifications
Dewey Decimal Class 929.2/0973

The Physical Object
Pagination xxii, 625 p.;
Number of pages 625

ID Numbers
Open Library 0L905152M
Internet Archive Date-converted20150407

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 Limrose Pub. Co. in Fresno, Calif.
Written in English.

Last edited by BorrowBook April 7, 2013 | History | Edit
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Read in-browser or download the ePub / PDF from Boston Public Library
Borrow eBook
Find a physical copy near you — powered by WorldCat
Our Mayflower Ancestors and Their Descendants

10 Generations
From Howland - Tilley
to Henderson - Howell

by Jocelyn Hart Faux
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
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
Calendar for Vegetable Garden

Sowing Seed and Planting Out Vegetables in Following Months

JANUARY AND FEBRUARY

SOW—
Beets
Carrots
Early Cabbage

PLANT—
Kale
Lettuce
Onion
Parsnip
Potatoes

PEAS
Radishes
Spinach
Turnip
Cabbage

MARCH

In addition to list for January and February add:

SOW—
Late Cabbage
Sweet Corn
Egg Plant

PLANT—
Cucumber
Musk Melon
Squash
Cabbage

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
Pepper

JUNE

SOW—
Beans
Beets
Cucumber
Sweet Corn
Egg Plant

PLANT—
Lettuce
Musk Melon
Onion
Parsnip
Peas

Tomatoe
Sweet Potatoes

Pepper
Pumpkin
Radish
Squash
Watermelon

JULY

SOW—
Beans
Beets
Lettuce

PLANT—
Cabbage

AUGUST

SOW—
Kale
Beets
Early Cabbage
Cauliflower

*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 Vegetables

Sowing Seed and Planting Vegetables in February

**JANUARY AND FEBRUARY**

<table>
<thead>
<tr>
<th>SOW</th>
<th>PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kale</td>
<td>Potatoes</td>
</tr>
<tr>
<td>Lettuce</td>
<td></td>
</tr>
<tr>
<td>Onion</td>
<td></td>
</tr>
<tr>
<td>Parsnip</td>
<td></td>
</tr>
<tr>
<td>Carrots</td>
<td></td>
</tr>
<tr>
<td>Early Cabbage</td>
<td></td>
</tr>
<tr>
<td>PLANT—Cabbage</td>
<td></td>
</tr>
</tbody>
</table>

In addition to list for January

<table>
<thead>
<tr>
<th>SOW</th>
<th>PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late Cabbage</td>
<td>Cucumber</td>
</tr>
<tr>
<td>Sweet Corn</td>
<td>Musk Melon</td>
</tr>
<tr>
<td>Egg Plant</td>
<td>Squash</td>
</tr>
<tr>
<td>PLANT—Cabbage</td>
<td></td>
</tr>
</tbody>
</table>

**APRIL**

Sow seed and plant same as for March:

Pepper plants and seed

<table>
<thead>
<tr>
<th>SOW</th>
<th>PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLANT—Egg Plant Pepper</td>
<td></td>
</tr>
</tbody>
</table>

**MAY**

Sow seed same as for foregoing month

<table>
<thead>
<tr>
<th>SOW</th>
<th>PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beans</td>
<td>Cucumber</td>
</tr>
<tr>
<td>Beets</td>
<td>Musk Melon</td>
</tr>
<tr>
<td>Cucumber</td>
<td>Onion</td>
</tr>
<tr>
<td>Sweet Corn</td>
<td>Parsnip</td>
</tr>
<tr>
<td>Egg Plant</td>
<td>Peas</td>
</tr>
<tr>
<td>PLANT—Same as for May.</td>
<td></td>
</tr>
</tbody>
</table>

**JULY**

Onion
Radish
Summer Squash
Cabbage
Cauliflower

**AUGUST**

Kale
Lettuce
Radish
Onion

In frostless sections.

<table>
<thead>
<tr>
<th>SOW</th>
<th>PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potatoes</td>
<td></td>
</tr>
<tr>
<td>Peas</td>
<td></td>
</tr>
<tr>
<td>Tomatoes*</td>
<td></td>
</tr>
</tbody>
</table>

**SEPTEMBER**

August with addition of Parsnips.

<table>
<thead>
<tr>
<th>SOW</th>
<th>PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potatoes</td>
<td></td>
</tr>
<tr>
<td>Peas</td>
<td></td>
</tr>
</tbody>
</table>

**OCTOBER**

Potatoes

**NOVEMBER AND DECEMBER**

<table>
<thead>
<tr>
<th>SOW</th>
<th>PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turnips</td>
<td></td>
</tr>
</tbody>
</table>

Any month in the year:

<table>
<thead>
<tr>
<th>SOW</th>
<th>PLANT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lettuce</td>
<td></td>
</tr>
<tr>
<td>Radish</td>
<td></td>
</tr>
</tbody>
</table>

All year round.
Calendar for Vegetables

Sowing Seed and Planting Vegetables in Follow

**JANUARY AND FEBRUARY**

<table>
<thead>
<tr>
<th>SOW—</th>
<th>Kale</th>
<th>Lettuce</th>
<th>Onion</th>
<th>Parsnip</th>
<th>Potatoes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carrots</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Early Cabbage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLANT—</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cabbage</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

**MARCH**

In addition to list for January and February:

<table>
<thead>
<tr>
<th>SOW—</th>
<th>Cucumber</th>
<th>Musk Melon</th>
<th>Squash</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late Cabbage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sweet Corn</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Egg Plant</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLANT—</td>
<td>Cabbage</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**APRIL**

Sow seed and plant same as for March conditions:

| Pepper plants and seed |

**MAY**

| Sow seed same as for foregoing months |

<table>
<thead>
<tr>
<th>PLANT—</th>
<th>Egg Plant</th>
<th>Pepper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabbage</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**JUNE**

<table>
<thead>
<tr>
<th>SOW—</th>
<th>Lettuce</th>
<th>Musk Melon</th>
<th>Onion</th>
<th>Parsnip</th>
<th>Peas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beans</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Beets</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cucumber</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sweet Corn</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Egg Plant</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PLANT—</td>
<td>Same as for May.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**JULY**

<table>
<thead>
<tr>
<th>Onion</th>
<th>Radish</th>
<th>Summer Squash</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumpkin</td>
<td>Cauliflower</td>
<td></td>
</tr>
</tbody>
</table>

**AUGUST**

<table>
<thead>
<tr>
<th>Kale</th>
<th>Peas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lettuce</td>
<td>Radish</td>
</tr>
<tr>
<td>Onion</td>
<td>Tomatoes*</td>
</tr>
</tbody>
</table>

*In frostless sections.

| Potatoes |

**SEPTEMBER**

| Potatoes |

**OCTOBER**

| August with addition of Parsnips. |

**NOVEMBER AND DECEMBER**

<table>
<thead>
<tr>
<th>Lettuce</th>
<th>Turnips</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radish</td>
<td></td>
</tr>
<tr>
<td>Onions</td>
<td></td>
</tr>
</tbody>
</table>

*Turnips are 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
Thank you!