Proposal Narrative
The Library Test Kitchen is a continuing research and development project charting new directions for libraries. Over the Spring 2012 and Fall 2012 semesters, GSD 09125 Library Test Kitchen has been exploring the future of libraries through research and hands-on prototyping on a 1:1 scale. It’s been a unique opportunity, and the Harvard Library's repeated $10K/semester grants have situated Library Test Kitchen as the de facto student research & development arm of the Harvard Library.

Ann Whiteside, Jeffrey Schnapp and Jeff Goldenson have co-run the seminar, but this year, Jeffrey will be shifting to an advisory role. We propose continuing the seminar with Ann Whiteside, Jeff Goldenson of the Harvard Library Innovation Lab, and Jessica Yurkofsky MUP ’13, LTK Graduate and Research Associate at metaLAB Harvard.

Opportunity
We believe Library Test Kitchen is uniquely positioned to make a real difference in libraries, both academic and public.

I. Students have done some of the most creative thinking in libraries, anywhere
From the WiFi Cold Spot by Ben Brady, to the crowdsourced calendaring app Time/Slice by Jessica Yurkofsky, to the class-wide collaboration that was LABRARY: A Platform for Library Innovation, the work of Library Test Kitchen Students has been inspiring.

II. Harvard Library Support
Beyond the financial investment, Library Test Kitchen has earned the respect and interest of the Harvard Library community. From reference librarians, to catalogers and technologists, to supply chain managers and the Head of the Harvard Library itself -- library folks have attended our workshops, helped our students, granted us tours and privileged access creating a unique learning opportunity.

III. Press attention has afforded us a larger stage to share our work
We’ve been fortunate to receive press coverage (attached) for our previous efforts, particularly this past semester with the creation of LABRARY in Harvard Square. In short, we’ve earned the ear and curious eye of the library community. With Library Test Kitchen III, we will be uniquely positioned to share our creations with a broader public.

Selected Press Coverage
The Harvard Gazette
The Harvard Year in Pictures
Course Outline
GSD 09125 Library Test Kitchen III
Library Machines

*Library Machine - Def. a mechanically or electronically operated device for performing library functions. Library functions are broadly defined.*

Library Machines traverse scales, from product to furniture to installation-scale. They may be built, coded or some other way realized.

Library machines do a job. They may create new experiences, workflows, efficiencies — nearly anything that would be of relevance to a library or library user.

What the Library Machines will have in common by the end of the semester is they will be built. They will be operational prototypes we can experience for ourselves.

Library Test Kitchen Objectives
1. To build and test Library Machines that suggest new directions for libraries
2. To invigorate the broader discussion of libraries

Process: Researching & Making
LTK interweaves research and hands-on making. Seminar is primarily a research and discussion period.

We will fluidly traverse:
- the history of libraries
- contemporary case studies
- the mechanics of the Harvard Library
- presentations by visiting experts
- environmental psychology

- visions of the future of the library

These discussions will guide the making that occurs outside of class. After a few design exercises, students will begin building their final projects.

Experiences Acquired
- ethnographic research
- rapid idea creation (daily 6 minute design sprints)
- applied problem-solving
- framing and pitching projects
- moving from paper sketch to operable prototype
- effective documentation for media outlets and publication

Field Trips
- Harvard Book Depository
  Southborough, MA
- Mathematica, by Charles and Ray Eames, Museum of Science, Cambridge MA

Visitors
- Shannon Mattern, Associate Professor, The New School, Department of Media Studies and Film
- Michael Young, Faculty, Princeton School of Architecture, Cooper Union, Principal, Young Ayata, NYC
- Stephen Cassell, Partner, Architecture Research Office
- Peter Chermayeff, Peter Chermayeff LLC, ‘76 Expo Pavilion Designer with Buckminster Fuller

Working Bibliography
I. Libraries: institution, operation, history, and future

II. Spaces of Making: labs, workshops, studios, makerspaces, etc.

III. Machines & Technology

IV. Space, Perception, Attention
I. Libraries


II. Spaces of Making


Harwood, John. The interface: IBM and the transformation of corporate design, 1945-1976. Minne-


III. Machines & Technology


IV. Space, Perception, Attention


Biographies
Ann Whiteside
Lecturer in Architecture and Librarian
Librarian/Assistant Dean for Information Resources

Jeff Goldenson
Designer, Harvard Library Innovation Lab
Masters of Science, MIT Media Lab
B.A. in Architecture, Princeton University

Jessica Yurkofsky
Researcher, metaLAB, Harvard
Masters of Urban Planning, GSD ‘12
B.A. in Sociology, Stanford University
Library Test Kitchen Student ‘12
Library Test Kitchen Teaching Fellow ‘13

“The Library Test Kitchen has probably been the most instrumental course I have taken/been a part of in terms of understanding real issues and opportunities in design.”

Ben Brady, M.Arch.’13,
Thesis prize winner

Selected Student Work and Press Follows
Lights, Camera, P-Town!

Film festival celebrates 15th anniversary in style

By Peter Ronge

Catherine Lederer, a professor of film and media studies at Harvard University, has a new library on campus. It's not a physical building, but a digital one, connected to the internet and accessible to students and faculty.

The library, called the Harvard Film Archive, houses over 10,000 films and is accessible through a combination of streaming services and physical collections.

In addition to the archive, the film festival celebrates its 15th anniversary this year. The festival, which runs from September 20 to 29, includes screenings of both classic and contemporary films, as well as workshops and panels with industry professionals.

The festival kicks off with a screening of the 1927 silent film 'Metropolis,' which is considered one of the most influential films in the history of cinema. Other highlights include films by contemporary directors such as David Fincher and Park Chan-wook.

Harvard puts a new kind of library to the test

By Anna Green

The film festival is just one of many events taking place on campus this month. Harvard University is also launching a new kind of library, which is being tested in several locations across the campus.

The library is called the 'Pop-Up Library' and is designed to be mobile and flexible. It consists of a series of small rooms that can be reconfigured to meet the needs of different communities.

The Pop-Up Library is being tested in several locations across the campus, including a library on the campus of the Graduate School of Design, which is currently undergoing renovation.

The library is designed to be a space for students and faculty to come together and engage with ideas. It includes areas for reading, studying, and socializing, as well as spaces for collaboration and creation.

The Pop-Up Library is part of a larger initiative by Harvard to create more opportunities for students and faculty to work together and share ideas. The university is also investing in new spaces for academic and cultural activities, such as the Harvard Art Museums and the Shorenstein Center on Media, Politics, and Public Policy.
Friend of Eleanor and reporter on the Depression

Harvard course looks to reinvent the library
Massive Open Opportunity

MOOCs and Libraries

Making Room for Innovation
Early Praise for DPLA
BEA for All

IN THE BOOK REVIEW
SF/Fantasy, Graphic Novels, Parenting, Summer Thrillers, Gettysburg, plus LJ Talks to Josh Hanagarne and Armchair Audies' Jennifer Conner
For Axis 360...

ACOUSTIK AUDIOBOOKS

Acoustik™, presented by Fluidway World, is a free digital audiobook app. With Acoustik, you can offer best-selling audiobooks to your patrons through your Axis 360 digital media library.

EASY INTEGRATION
Simply order Acoustik audiobooks on Title Source™ 3 and they'll be added to your Axis 360 collection.

MULTIPLE FORMATS, ONE PLATFORM
Offer patrons audiobooks as well as ebooks—EPUB, PDF or Blio formats—all in one platform.

ELEGANT, SIMPLE, & CONVENIENT
Patrons can download audiobooks directly to their devices and enjoy them in just a few taps.

A SELECTION THEY'LL LOVE
A diverse and extensive collection of audiobooks is ready to play on Apple and Android smartphones and tablets.

Visit Baker & Taylor at Booth #2120 at BEA for a demo!

LIBRARY JOURNAL
May 15, 2012 | Volume 326 No. 4 | ISSN 0096-0267

[newsdesk]
14 KENTUCKY LIBRARY SUIT
14 BROOKLYN BRANCH PLAN
16 ACADEMIC NEWS

[fintech]
20 S. & S. EBOOK PILOT
20 HACHETTE EXPANDS LIBRARY EBOOKS

[features]
22 MASSIVE OPEN OPPORTUNITY
26 MAKING ROOM FOR INNOVATION
30 SPLA RECEIVES EARLY PRAISE
32 BEA FOR ALL

[commentary]
8 EDITORIAL
10 BLASTED BERRY

[departments]
6 INDEX TO ADVERTISERS
12 FEEDBACK
19 PEOPLE
111 CLASSIFIEDS

TO LEARN MORE, VISIT WWW.BAKER-TAYLOR.COM/AXIS360.
MAKING ROOM FOR INNOVATION

By Jeff Goldenson & Nate Hill

In size, community, mission, and mission, the Harvard University Library and the Chattanooga Public Lib- rary (CPL) could not be much farther apart. While a reader might anticipate our Library experiences would be as different, we found essential similarities emergent from both their differences.

The 4th Floor in Chattanooga is located on the 4th floor of the Chattanooga Public Library. It is designed to transform an overcrowded storage space into a vibrant community maker space and event space. The makerspace, named the Labrary, is a 37-day design experiment occupying a vacant storefront in Cambridge.

Real-time knowledge creation

The library of this century has "born space" like the 4th Floor and a library — environments within a larger library more open to creative people and their ideas. As CPL, the 4th Floor is meant to transform just library space and services: it is also intended to transform the library's organizational culture. This work is ongoing at the Library, and the 4th Floor is being developed as a model for many other spaces.

Makerspace

On March 3, we will open the new Makerspace for the public. The Labrary will be a space for people to come together to create and learn new skills. The library will be open from 10 am to 6 pm, and we will have events and workshops throughout the day.

Labrary Extension

The Labrary is expanding to include a new exhibition area, which will feature works by local artists and community members. The Labrary will also have a new learning lab, where visitors can learn about new technologies and creative practices.

Library products, experiences, and services

The Labrary is a space where ideas and innovation come to life. Visitors can join the conversation, make new connections, and discover new ways to engage with the library and its resources.
MAKING ROOM FOR INNOVATION

By Jeff Goldenson & Nate Hill

In size, community, mission, and vision, the Harvard University Library and the Chattanooga Public Library (CPL) could not be more different. While a larger single-branch public library expansion would be a monumental endeavor, we found essential similarities in our missions.

The 4th Floor gives them both the Chattanooga Public Library’s opportunity to create a vibrant community maker space and creates a new spot that’s not a just a spot in town. Labrary popped up under the scrutiny of the public eye in a vacant, commercial storefront, with the Chattanooga Library set up in the renovated storage space. The library was open to the public and welcoming, offering collaboration and creativity.

The evaluation of these spaces followed different trajectories and time frames, but our shared observation about the mission of libraries, innovation, and culture formed common guiding principles. We believe the library of the 21st century is the space of conversations, an institution that reflects the local community, and a place where people can think and learn.

ATTENTION ARGUES: As left, the 4th Floor Maker space with its 3-D printing lab was a highlight of the 2017 Tennessee Library Association annual conference held in the library space. The Library’s storefront lab: American attracted passersby into its experiential area to see how these library design might look.

Real-time knowledge creation

The library of the 21st century is like the 4th Floor and Labrary—environments within a larger library musters new concepts to engage and deploy new technologies. In CPL, the 4th Floor is not meant to transform just library space and services; it is also intended to transform the library’s organizational culture. To make this happen, we will need to open new ways of thinking, and some open new ways of learning. Meanwhile, the goal of the Library Test Kitchen (LTK), the 4th Floor, is to offer hands-on, interactive demonstrations of 3-D printing technology in the city of Chattanooga.
fromHolden very much to large-scale industrial models, 3D
scanners, and an experimental 5-Dimensional screen
room. The 5-D room is composed of 350 steam
engines from Bungey 3D. The room established the 4th Floor at the gateway Maker space to the sitting
Chatsumang Maker community. It offers member access
to space with a library on the 2nd floor and a place to come together to build, learn, Design, and live.

CREATIVE CITIZENSHIP

As part of local elections, a group of politically engaged Chatsumang came together to start a programming series around the topic of creative citizenship. The immediate goal was to get Chatsumang's creative community of artists, designers, developers, and others to feel like important stakeholders in the future of the community. Creative citizenship is held every Wednesday in the 4th Floor: a collaboration with MSHA that formed Daniel Ross and Kevin O'Brien's Design-Rocket. The 4th Floor also taped with the Obama 2012 presidential campaign, and city council candidate forums, which brought Chatsumang's unique leadership into the mix and onto the 4th Floor.

In the academic context, Library carved out its own take on event programming. At the public face in a major university, Library had the Harvard and surrounding schools' academic community from which to draw. Researchers and professors from around the Harvard and MIT campuses spoke on our causal, open writing to book students and Cambridge community members alike. Sponsors like the gains, Library's events: easy in, easy out at an uniquely diverse dining.

Design for Experimentation

Visitors often remarked that though Library didn't feel like a library, they liked the vibe. There was a social aspect, but there was also a space for a traditional library apart from a traditional library on the services of our experimental sessions. Library was a new, very different, and widely experiential space.

BRANDED

Library's often lack awareness as a place to repurpose a visual identity. This mindfulness dated思维方式 and customer satisfaction as a lack of "visual" and "design" literacy. LSE students Audie Lamb and Gabrielle Passman designed Library's identity. They gained Library's visual identity; they gave Library's voice. It was simple, wide choice, and, most important, it was recognizable.

While social media was at issue, there was a question of what we were. We were Library. The tightness of the brand contained the knowledge of ourselves. (Download and install our vision for free at libraryproduction.org.)

RAW

Libraries need to be high-profile, monumental exhibitions designed to impress. They are not spaces that "say" "this thing." Library, on the other hand, was no library. The physical structure is a whole, together, designed for meaning-making and self-expression. As we developed the space, the walls served a new purpose of page. These transformed details granted custom permission to get hands-on. The space also served thir.

WIDELY EXPERIENTIAL: A sign on a table at the entrance to the Library requested that visitors describe the future of the "Library." Responses were posted on Post-It notes and stuck on the table. If there was a theme, it was no time for all. One Post-it read, "power of ideas." Another, "state of chaos."

Libraries particulate themselves as the library of their collection; perhaps the same principle should be applied to the environment as well. The library could look at its space as reflections on their own library without sense-making or chaos.

The 4th Floor is a similarly branded, raw environment that maximizes an extremely flexible and responsive nature. In many ways the 4th Floor can be a 3-D, ultra-experiential space to accommodate the needs and voices of the community. Likewise, our design and fabrication practices follow the language of design, preparing the space with walls, surfaces, parameters, partners, and powerful, high-quality digital projection tests.

Community-driven innovation

Guided by the development of the 4th Floor is a direct result of innovation. The design workshops are a platform that encourages visitors to design products, designs, and designs. The library is a testbed for the future of the community. Likewise, our design and fabrication practices follow the language of design, preparing the space with walls, surfaces, parameters, partners, and powerful, high-quality digital projection tests.

ALWAYS OPEN. ALWAYS AVAILABLE.

With electronic reference books from Gale and our publishing partners, researchers can instantly access thousands of eBooks on virtually any subject. These trusted, authoritative reference works are available 24/7 through our state-of-the-art, award-winning, Gale Virtual Reference Library platform, providing an unprecedented combination of functionality and features.

- Thousands of full-text eBooks from Gale and over 90 publishing partners
- Unlimited 24/7 access
- No more damaged pages or missing volumes

FREE TRIAL
9,000 Titles Available
visit gale.cengage.com/gvrl

INFORMATIVE SPACE

At left, 4th Floor's Creative Citizenship event sets the stage for multiple iterations of our engagement. The Library featured Stuart Green (right) of Basic Labs and Paul Resnikoff, a graffiti artist and long-time printer, part of a larger exploration into information piracy.

LITERATURE OF

Society Series*

Gale's Literature of Society series examines literary works that deal with social movements, impactful events, and topics that define the society in which we live.

BUSINESS INSIGHTS

Handbook Series*

Gale's Business Insights handbook series is a new collection of smaller, practical, quick reference volumes focused on the business activities in which people engage.
Growing Room
St. Louis Public Library completes a major renovation that respects a 101-year-old design
By Marta Murvosh

There was never a doubt that the St. Louis Central Library building would remain a library and be restored, St. Louis Public Library (SLPL) executive director Walter McGuire tells LJ. Patrons love to tell McGuire of their first experience at the library when they were children and a parent or grandparent led them up the granite steps and into the marbled Grand Hall. “The St. Louis community and beyond has a real attachment to the Central Library building,” McGuire says. “The St. Louis community loves Central.”

However, what was in doubt was the footprint. The original plan called for a proposed expansion outside the building’s original granite walls. But a local architect first took the risk of trying to convince library leaders that was the wrong way to go.

Two years and $35 million later, the risk appears to have paid off. The restored and renovated 101-year-old Central Library reopened on December 9, 2012. Together, architects and librarians had almost doubled the square footage open to the public without expanding the original walls an inch.

Inside, SLPL patrons are discovering new spaces that were dedicated readers, serious researchers, teachers and children, and people exploring technology or recording their own music.

→ CONTINUED ON PAGE 4
Looking Through the Library Lens

Lessons from the Harvard Library inform how we see transformative library spaces

By Jennifer Koerber

In fall 2012, the Harvard Library—a temporary "pop-up" space in an empty动机 in Harvard Square, Cambridge, MA—was opened as a public gallery for design students projects from the venerable Long Library Art Kitchen (LTK) seminar at Harvard’s Graduate School of Design. Describing the LTK, student Jeff Goldman said that it’s “a place where libraries can encourage risk and innovation,” a "pop-up R&D department" that explores ideas too disruptive for a traditional library location. For more, see the comparison from Goldman and Chatsworth P.L. Not Hill, "Making Rooms for Innovation," in this issue of LJP, p. 20. By bringing students projects to the public and allowing interaction and response, the Library became an exploration of what it means to be a library space. Though it was only open briefly, the Library suggested new ways of looking at non-traditional library space design.

Unfinished or use raw space

To create the Library, reuse student and interments painted walls, built a rough, boxy, ergonomic stage in one corner, and added track lights. This black box allowed students to adapt their work to the space and vice versa. If your library is undergoing a renovation or building a new space, don’t think about square footage right away. With an unstructured area to grow into, you can take advantage of new work. Or plan to have the space run with the expectation that its use will change over time.

For instance, the antipathic basement of the new Fondamental Public Library, R., was reserved for students and the arts. After two years of surveys and analysis, the library built Studio 300, a digital media creation space for the general public. The studio recording studio, two video recording studios, and two group collaboration rooms take advantage of the light, temperature, and sound-isolated benefits of the space. Studio 300 opened on March 16.

Before the Madison Public Library, WI, shut down the new library in a student building, it held a one-day, one-night art show and fundraiser called BOOKLESS in the empty structure. More than 5,000 items and visitors大气了 the walls, danced and played music, and otherwise turned the place into a vibrant event inspired library planners to rethink the new media center as the touchstone of a creative collaboration of student-led programs such as the Mad City Film Festival, the Madison Public Library's Film Festival, and the Madison Public Library’s Digital Media Center.

It’s not just about the gadgets

As the Library, Harvard students and members of the public alike came to work on projects. One class meeting was held in the small, affordable studio, a ten-foot shelf made of sturdy wood with desk and chairs on the carpeted floor. To public libraries, something like this might be a library-based community space. Concerning area allow for more than a traditional library and offer a more work-oriented environment than a coffee shop, without the expense of a community space. As nothing is in the library, "[Libraries] offer more familiar entry points for potential customers, less likely to walk into a traditional start-up incubator.

Public libraries long ago demonstrated access to knowledge, now they could do that in a start-up environment. What that starting space might look like was explored with The Chulalongkorn Public Library, PL, a single-collaborating room that the public can enter for $10 for two hours, with table, chair, whiteboard, TV, and phone. Taking it to the next level, Arizona State University (ASU) and the Phoenix Public Library have partnered to develop the Alexandria Network, “to support the innovation economy through Eureka, and Eureka, which combine ecosystems of Watershed creative and collaborative spaces with important programs like the Mad City Film Festival, the MAD Public Library’s Film Festival, and the Madison Public Library’s Digital Media Center.

Let visitors make their own fun

As a student showcase, the Library let the public engage with student projects on the themes of the "future of libraries" ranging from Bookshare—an installation that photographs visitors lying with their faces obscured by a laptop, then published those images in a "Lasting"—as tablets that enabled students to keep the space from getting "too" quiet. Ben Brady, a student of the seminar, said that at the beginning, "a lot of people were asking "What is this place?" and with the student projects in place, people were more engaged with exploring the space themselves.

Engagement with the space can encourage a feeling of temporary ownership, which in turn encourages things like informal class meetings, displays of work by local artists, and a wide variety of collaboration, and even dance parties. One way to encourage informal engagement is through library Maker spaces, from a research space in the middle of the library stacks (Research PL, CT) to a new dedicated wing (Eugene Field Free Library, NY). Maker spaces can offer both formal programs and informal access to the tools of the Maker's Arsenal: 3-D printers, large-format printers, scanners, small electronics kits, and more.

Some aren't permanent

The Library was a temporary effort from the start, with few of the construction choices of a permanent space. If libraries build with turnover in mind, they can benefit from the lightweight infrastructure of a manageable space.

When the call to the library of the Oak Park Public Library, IL, closed, the library chose to use the room for monthly interactive Library-focused installations. The idea was simple and financed with a grant. Installations have ranged from a public-pushed and -created magnetic poetry "collaboration" to presentations from live artists and folk musicians and interactive light sky exhibit.

Back at the Madison PL, such a Bobble program may last for an hour or two, or be a week- or month-long gallery of work or interactive experience. It can be anywhere, include any topic, and even be brought off-site as needed.

Jennifer Koerber is a 2013 Street Librarian, Boston Public Library, and an independent writer and speaker in emerging technologies and the social web.