human-computer collaboration

mauricio giraldo arteaga
@mgiraldo
@nypl_labs

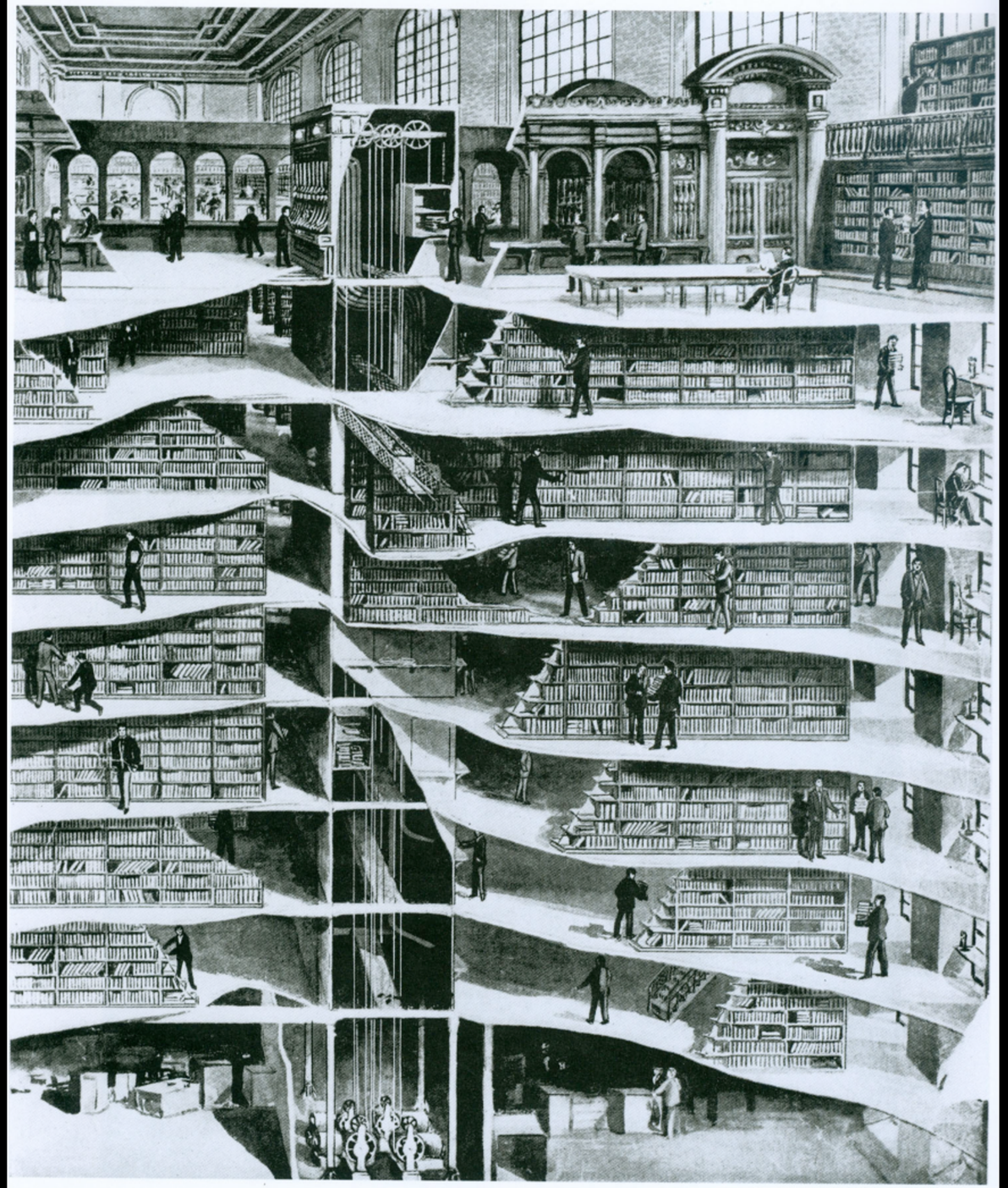
IPAM Culture Analytics and User Experience Design, April 2016

hello

not a real library scientist

flickr.com/photos/wallyg/6133216510

HCII
Human-Computer Interaction Institute



DRAWING OF THE LIBRARY STACKS

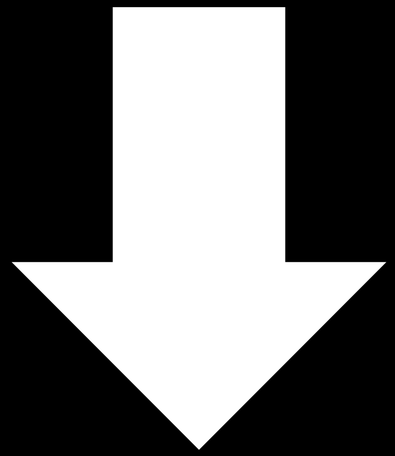
Eric Shows

NYPL Labs

digitization

metadata

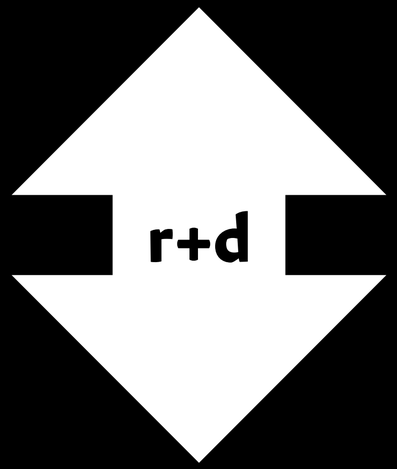
access



public

traditional digital library program

digitization **metadata** **access**



public
engagement

New York Public Library

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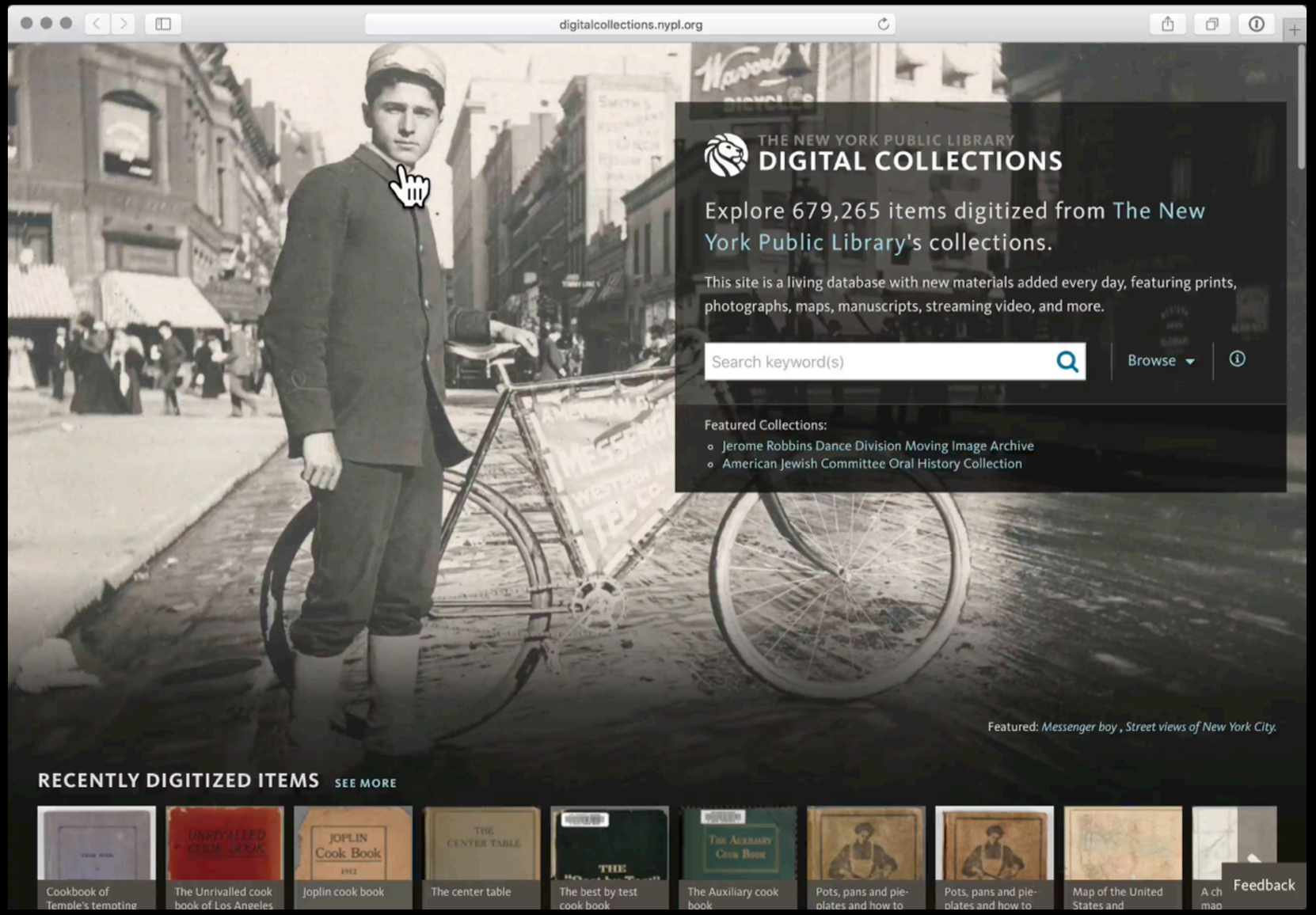
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Featured: Messenger boy , Street views of New York City.
RECENTLY DIGITIZED ITEMS
SEE MORE
Cookbook of Temple's tempting
The Unrivalled cook book of Los Angeles
Joplin cook book
The center table
The best by test cook book
The Auxiliary cook book
Pots, pans and pie-plates and how to
Pots, pans and pie-plates and how to
Map of the United States and
Feedback

what happens after digitization?

human-computer collaboration

¿

PITTSBURG
WAGNER, PITTSBURG

?

embrace imperfection

corollary of “perfect is the enemy of good”

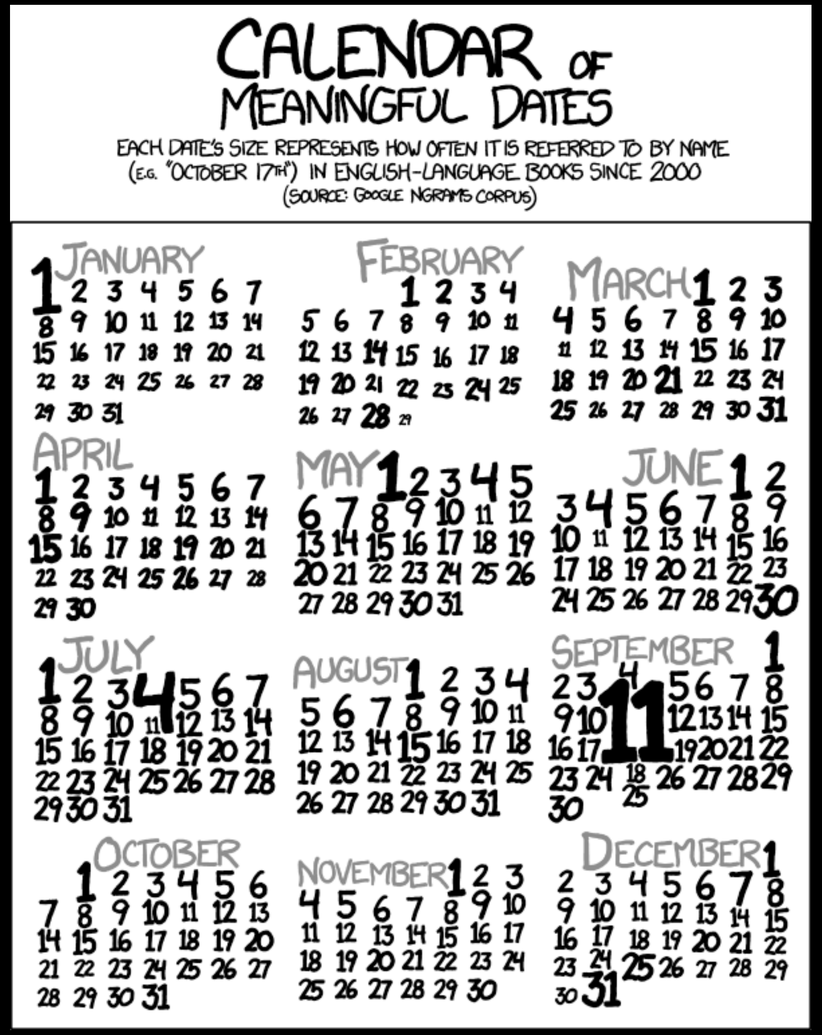
« A designer's definition of 'perfect' is different for computational designers. »

John Maeda

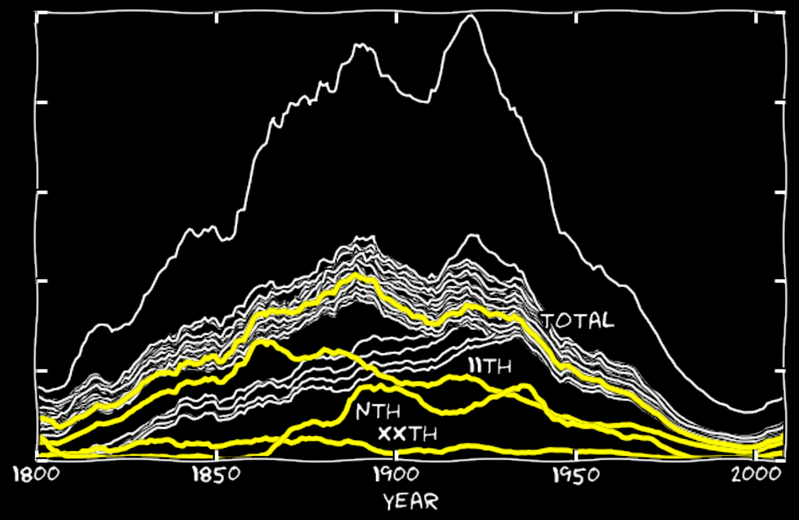
because it is not achievable

human-computer collaboration

computers are good at some things...

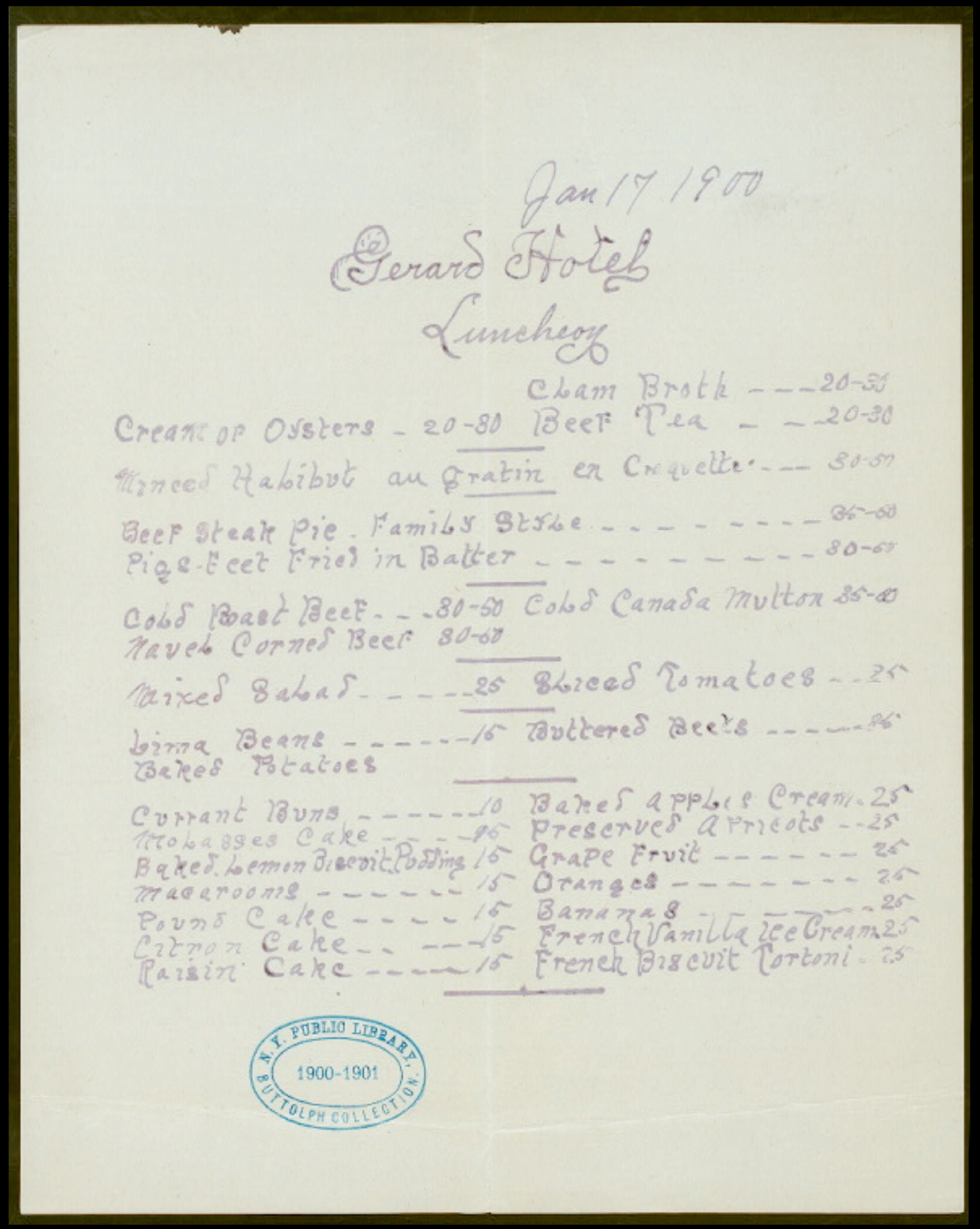


Randall Munroe - xkcd.com/1140



David Hagen - drhagen.com/blog/the-missing-11th-of-the-month

people overestimate OCR quality



Jan 17 1900

Gerard Hotel

Luncheon

Clam Broth ---20-30
Cream of Oysters - 20-30 Beef Tea - - 20-30

Minced Halibut au Gratin en Croquette --- 30-50

Beef Steak Pie. Family Style ---------- 35-50
Pigs-Feet Fried in Batter ---------- 30-50

Cold Boast Beef - - 30-50 Cold Canada Mutton 35-50
Navel Corned Beef 30-50

Mixed Salad ----25 Sliced Tomatoes --25

Lima Beans ------15 Buttered Beets ------35
Baked Potatoes

Currant Buns ------10 Baked Apples Cream. 25
Molasses Cake ----15 Preserved Apricots --25
Baked Lemon Biscuit Pudding 15 Grape Fruit ------ 25
Macaroons ------15 Oranges -------- 25
Pound Cake ----15 Bananas ------25
Citron Cake -- ---15 French Vanilla Ice Cream 25
Raisin Cake ----15 French Biscuit Tortoni - 25

N. Y. PUBLIC LIBRARY
1900-1901
BUTTOLPH COLLECTION

OCR result

Q<_...,,,, \» ," 4
~ 5
r ,
muck, `
Q '<»_
1 :Maw
"ma vii"

okay... so maybe computers are not that good

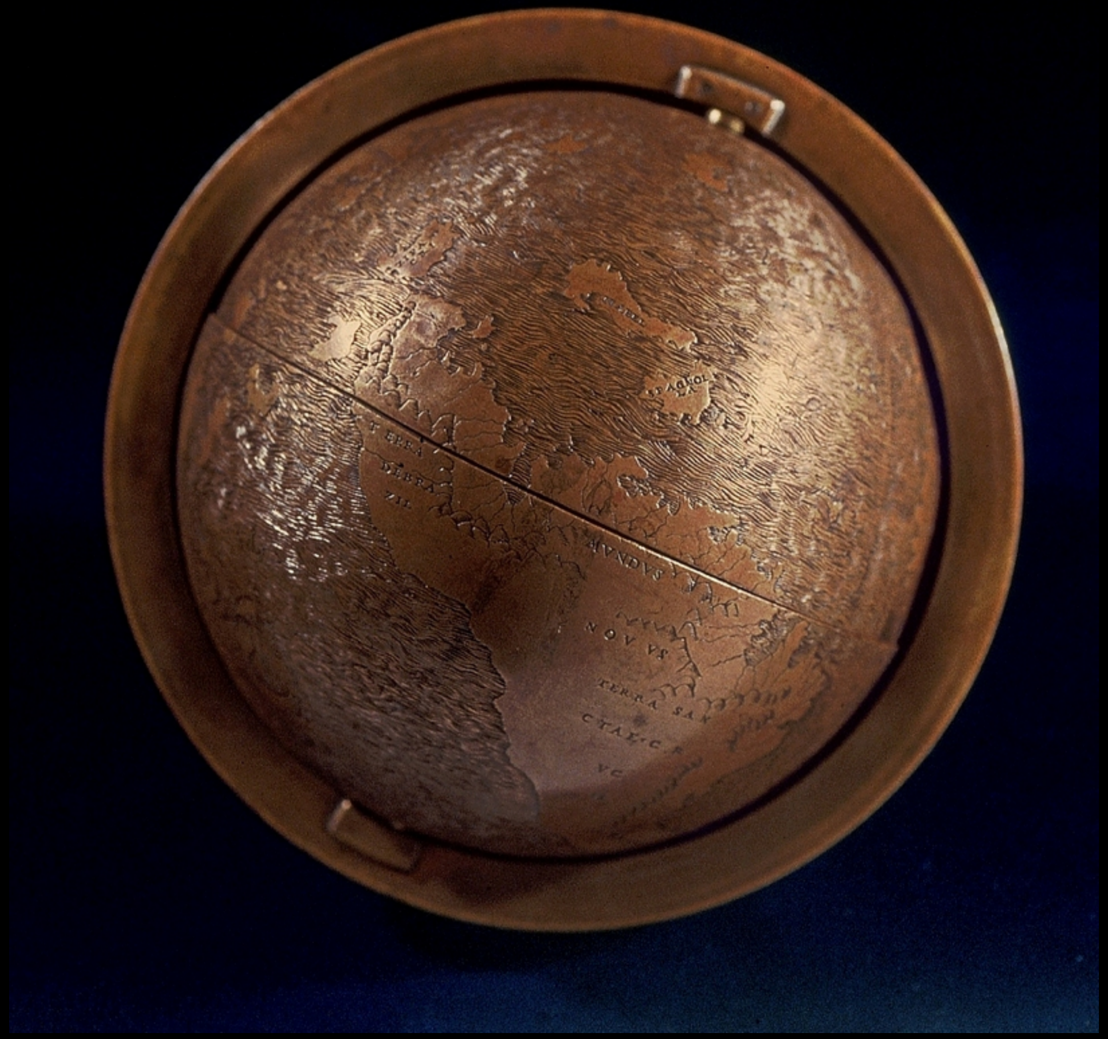
people are good at other things

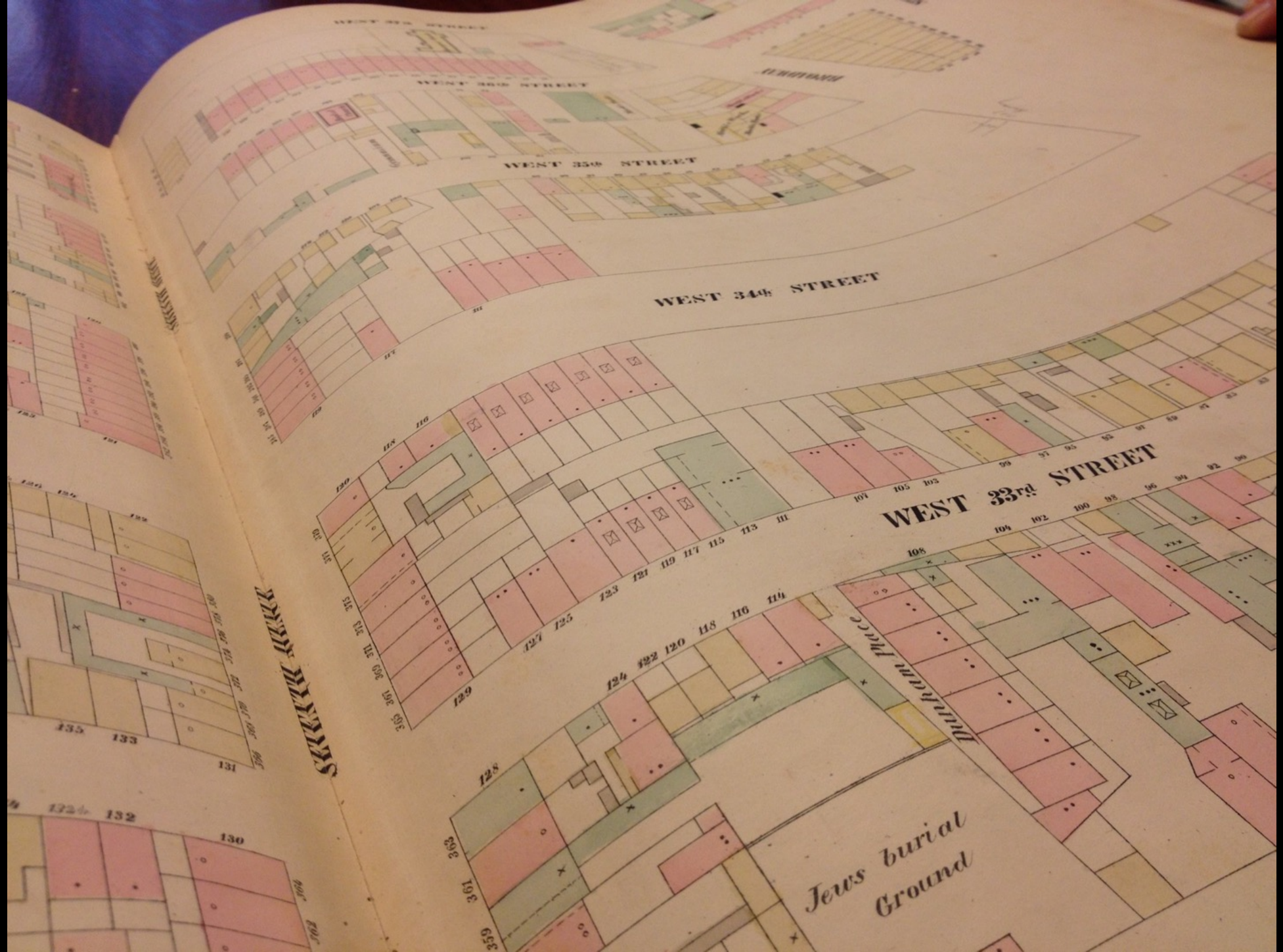
human-computer collaboration

i avoid the term “crowdsourcing”

two examples

ATLAS NATIONAL DE ESPAÑA
ARCANO DEL MAR
ATLAS DE DIEGO HOMEM 1559
THEATRVM ORBIS TERRARVM
ORTELIVS
ATLAS VAN NEDERLAND
ATLAS RZECZYPOSPOLITEJ POLSKIEJ


NOVA
TERRA SAN
CTAE C


WEST 34th STREET
WEST 35th STREET
WEST 35th STREET
WEST 34th STREET
WEST 33rd STREET
Dunham Place
Jews burial Ground
SEVENTH AVENUE

backyards

street names

use type

year

name

floors

skylights

class

material

address

geo location

like Google Maps for the 19th century

but Google Maps cannot answer questions about the 19th century

digitalcollections.nypl.org/items/510d47e0-bf38-a3d9-e040-e00a18064a99

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Search keyword(s)

Browse

Items > Plate 3: Map bounded by Dey Street, Broadway, Maiden Lane, Nassau Street, Wall Street, Broadway, Rector Street, West Street

Plate 3: Map bounded by Dey Street, Broadway, Maiden Lane, Nassau Street, Wall Street, Broadway, Rector Street, West Street

TYPE OF RESOURCE
still image

GENRE
Maps

DATE ISSUED
1857 - 1862

DIVISION
Lionel Pincus and P...

CARTOGRAPHER
Perris, William

PUBLISHER
Perris & Browne

More Details | Cite This Item

IMAGE ID
1268291

PERMALINK
http://digitalcollections.ny

DOWNLOAD OPTIONS
760px | 1600px | 2560px | Original

ORDER
Art Print

All download options

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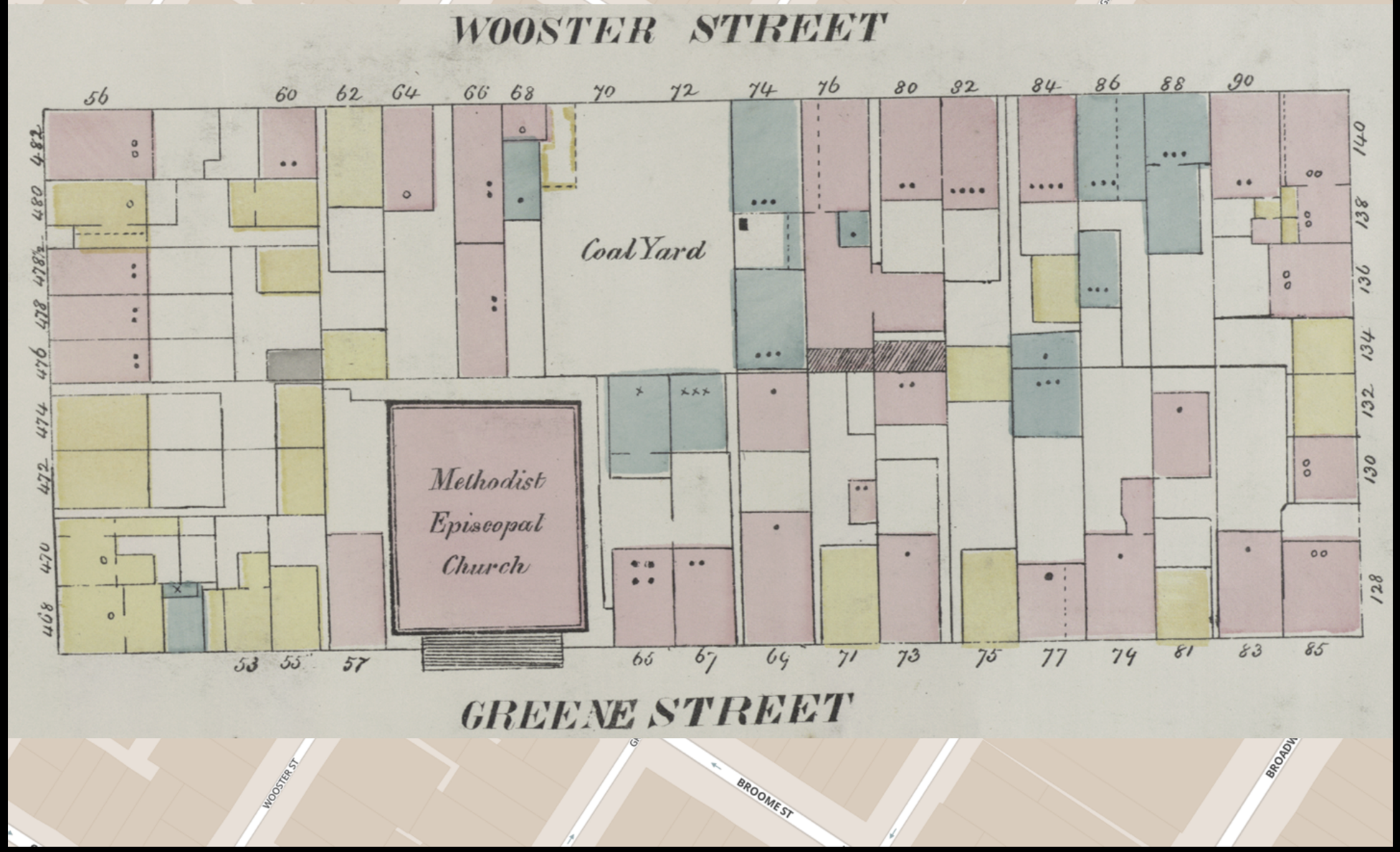
Feedback

THOMPSON ST
WEST BROADWAY
SPRING ST
WOOSTER ST
GREENE ST
MERCER ST
BROOME ST
BROADWAY


WOOSTER STREET
56
60
62
64
66
68
70
72
74
76
80
82
84
86
88
90
482
480
478½
478
476
474
472
470
468
140
138
136
134
132
130
128
Coal Yard
Methodist
Episcopal
Church
53
55
57
66
67
69
71
73
75
77
74
81
83
85
GREENE STREET

*this is a simulation. actual process is intensive. consult your mathematician before trying

digitalcollections.nypl.org/items/510d47e0-bf38-a3d9-e040-e00a18064a99

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Search keyword(s)

Browse

Items > Plate 3: Map bounded by Dey Street, Broadway, Maiden Lane, Nassau Street, Wall Street, Broadway, Rector Street, West Street

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1268291

PERMALINK
http://digitalcollections.ny

DOWNLOAD OPTIONS
760px | 1600px | 2560px | Original

ORDER
Art Print

All download options

Free to use without restriction

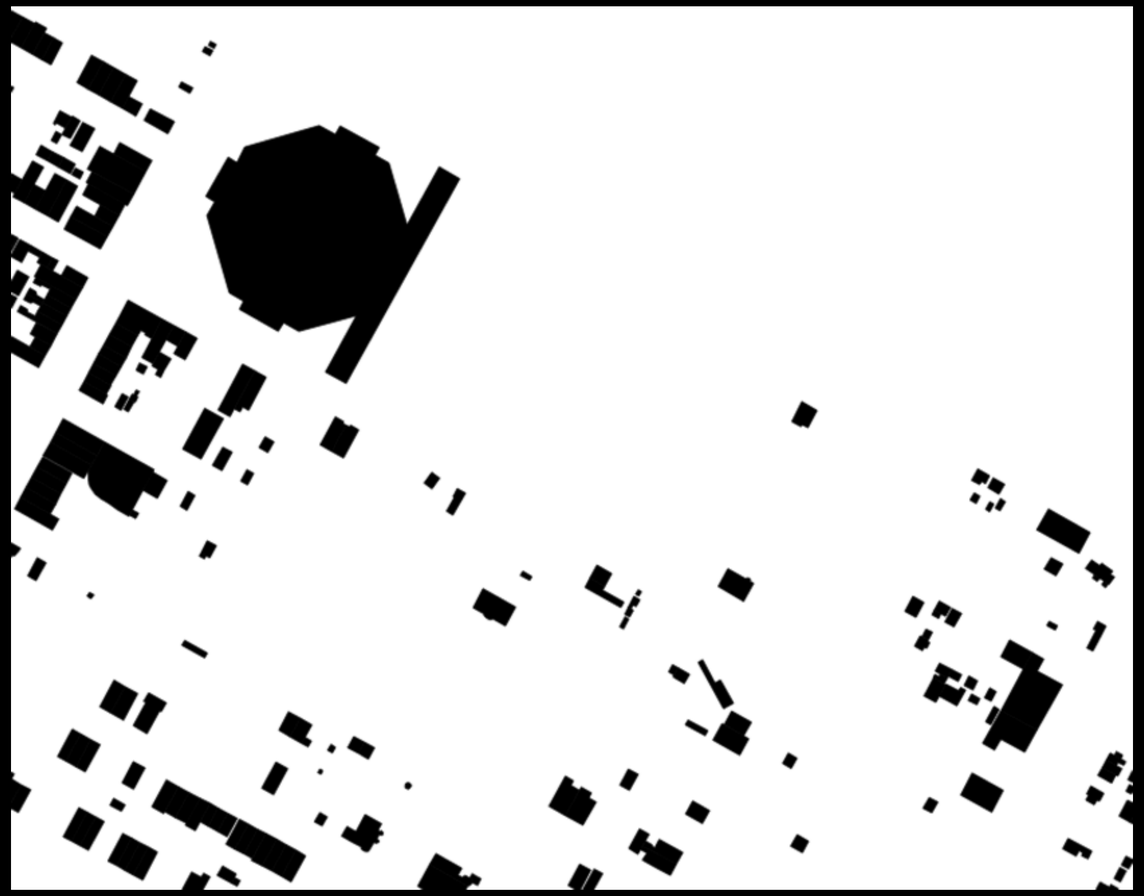
Feedback

FULTON ST
World Trade Center (PATH)
Memorial North Pool
GREENWICH ST
BARCLAY ST
Woolworth Building
CHURCH ST
VESEY ST
BROADWAY
PARK ROW
St. Paul's Churchyard
ANN ST
DEY ST
Fulton Street (4,5)
JOHN ST
NASSAU ST
MAIDEN LN
LIBERTY ST
WEST ST
North Cove
S END AVE S END AVE
ALBANY ST
Hudson River Greenway
W THAMES ST
JOSEPH P. WARD ST
RECTOR ST
WASHINGTON STREET
GREENWICH STREET
LIBERTY STREET
CEDAR STREET
COURTLANDT STREET
ALBANY STREET
CARLISLE STREET
THAMES STREET
PINE STREET
BROADWAY
Trinity Church
Rector Street (1)
Rector Street (R)
Federal Hall National Memorial
Wall Street (2,3)
WILLIAM ST
PINE ST
CEDAR ST

and now you start tracing those buildings by hand

(╯°□°)╯︵┻━━┻

1852–1854



1852–1854

can we automate this?

computers are good at some things...

1853
NYPL
MAPS
HACK
2013
KEEP
GOING

Historical map polygon and feature extractor

Mauricio Giraldo Arteaga
New York Public Library Labs
mauriciogiraldo@nypl.org

Figure 1: *From left: original map input, vectorizer output shapefile superimposed on the original map and annotated individual polygon showing the additional attribute data being extracted.*

ABSTRACT

Polygon and attribute data extraction from historical maps such as US insurance atlases from the 19th and early 20th centuries has so far been a manual task. The New York Public Library (NYPL) currently relies on staff and volunteer work to manually extract polygons and other attribute data from its collection to create new public data sets for the study of urban history. This is a time-intensive task requiring up to several minutes to trace a shapefile and transcribe attributes for a single building. In this paper we propose an approach to automatically extract such attribute data from historical maps. The approach makes use of multiple image processing and statistics utilities to produce desirable results in a fraction of the time required to do by hand.

On average, a shapefile for an atlas sheet is generated in ~11.4 minutes for a total of 23.5 hours of processing time for a whole atlas that contains ~55,000 polygons; contrast this time frame to NYPL's current manual process that has taken three years to extract about 170,000 polygons across four New York City street atlases.

Even with some error rate in the proposed approach, the most cumbersome, time-intensive work (manual polygon drawing) has been reduced to a fraction of its original scope. This new workflow has promising implications for historical GIS.

Categories and Subject Descriptors

I.3.5 [**Computer Graphics**]: Computational Geometry and Object Modeling – *Boundary representations.*

Keywords: map image tracing, attribute data extraction, alpha shapes.

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ACM 978-1-4503-2536-3/13/11@$15.00.
http://dx.doi.org/10.1145/2534931.2534932

1. INTRODUCTION

Vector polygon and attribute data extraction from raster images of historical maps (e.g. in GeoTIFF file format) such as US insurance atlases from the 19th and early 20th centuries has so far been a manual task. Although there exist tools that produce vectors from raster images (e.g. GDAL Polygonize [GDAL 2013]), these require either very clean and simple polygons or human intervention to assist the polygonization algorithm (e.g. clicking specific areas of an image, inputting numerous parameters, manual tracing of the image and other non-automatable processes). Historical maps such as those in the Lionel Pincus and Princess Firyal Map Division of the New York Public Library (NYPL) do not conform to the ideal raster image expected by those tools. The collection includes tens of thousands of sheets from 1853 to 1930 organized in 200 atlases and manual tracing is a time-intensive task requiring up to several minutes to extract data for a single building footprint.

NYPL has relied on volunteer and staff work to extract about 170,000 polygons (Figure 2) and their respective attribute data (e.g. street number, color, dot presence and type) during the past three years using a custom-made open source browser tool [NYPL 2011]. This effort covers only three of the hundreds of atlases in the collection. At this pace, NYPL will be unable to extract the bulk of the data in any reasonable amount of time.

One of the main roadblocks to automation is the nature of the images: most are very old maps that might be damaged or discolored in some way and each institution has different criteria for preserving and scanning them.

RD STREET
Cemetery
SECOND STREET
BOWERY
Extra Place
Iron Foundry
FIRST STREET
SECOND AVENUE
Coal Yard

yay footprints!

60,000+ of those!

like OCR for maps!™

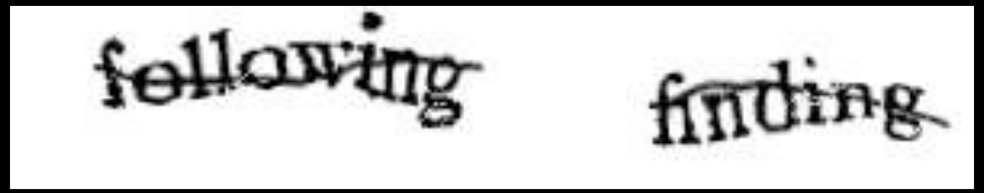
(not really trademarked)

but OCR is pretty bad

ಠ_ಠ

people are good at other things!

reCAPTCHA


following
finding

people don’t choose to complete these

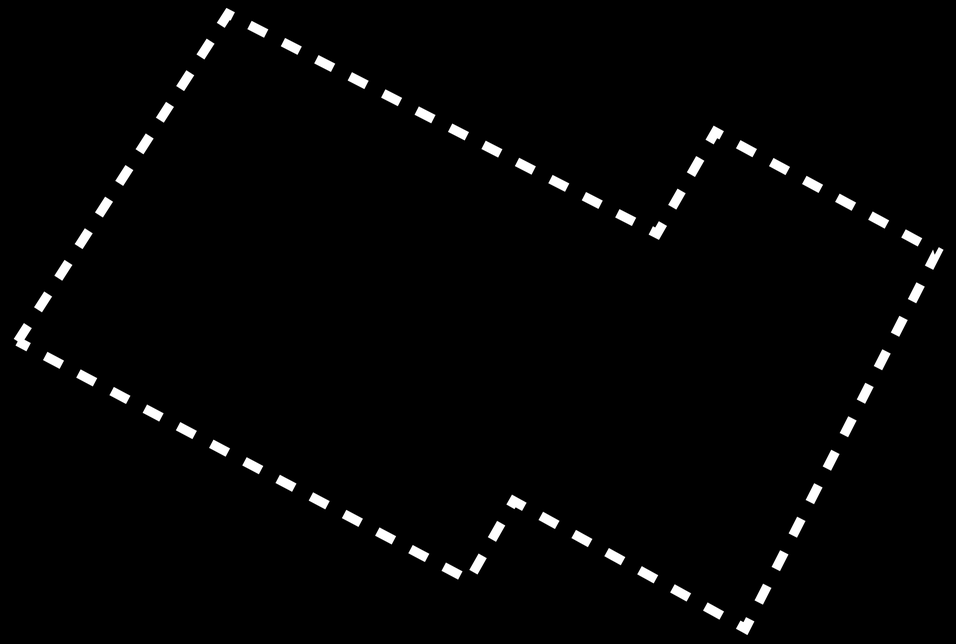
we have over 60,000 footprints to check!

will people want to do this?

what is the minimum contribution we need?

we want the lowest friction possible so people will want to contribute

this was 2013, touch-screen mobile had taken off



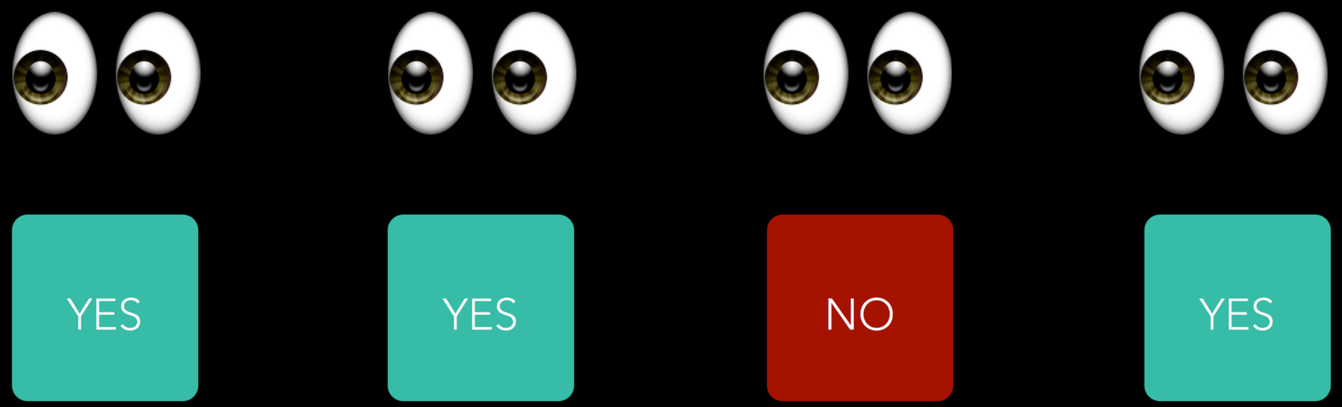
YES

NO

FIX

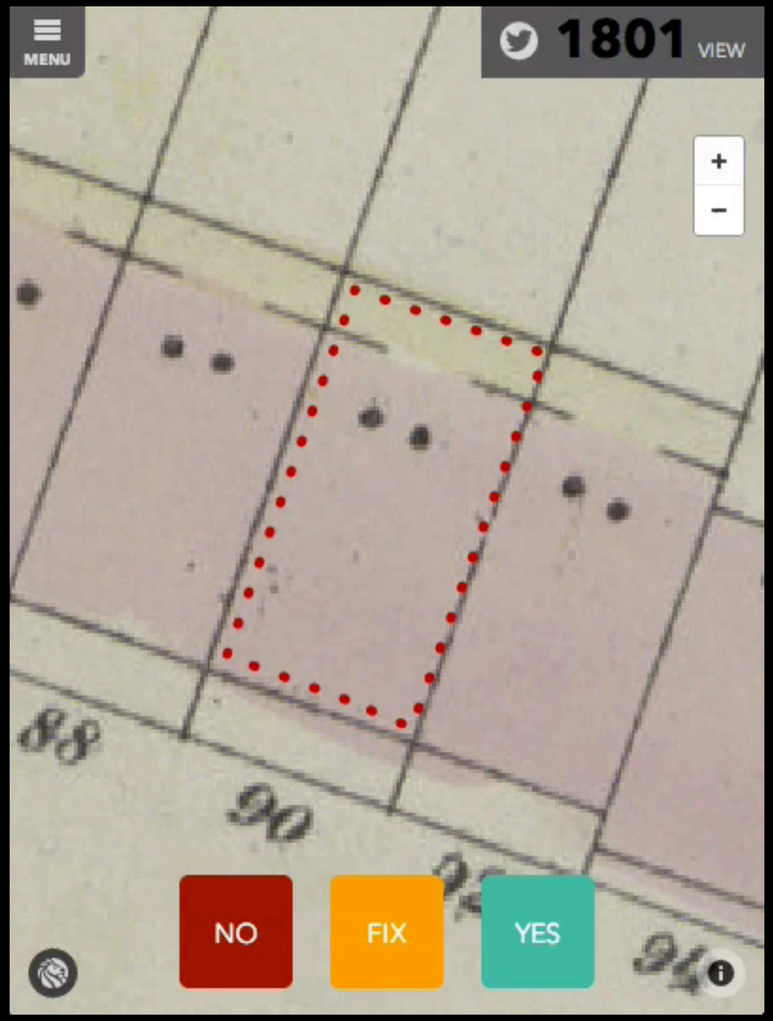
what about malicious users?

or even well-meaning ones who make mistakes


YES
YES
NO
YES

75% or more agreement between 3 or more people

arbitrary numbers that have worked for us



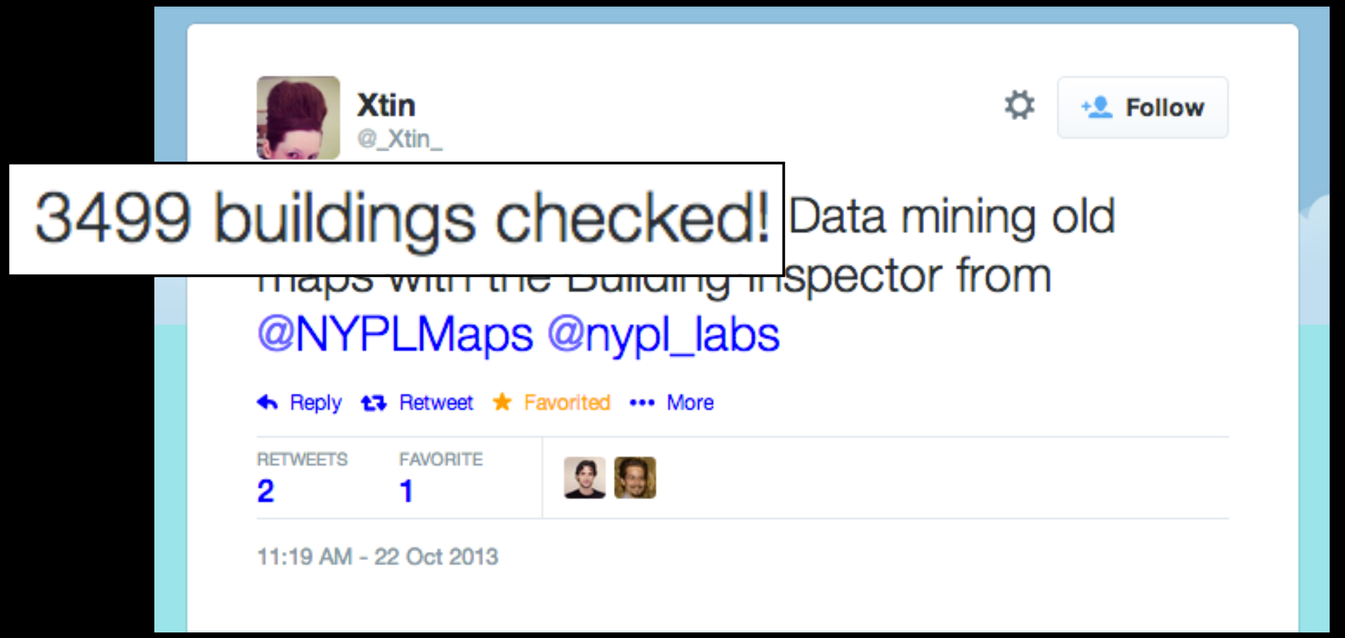
YES is on the right side because most people are right-handed and the algorithm is right most of the time

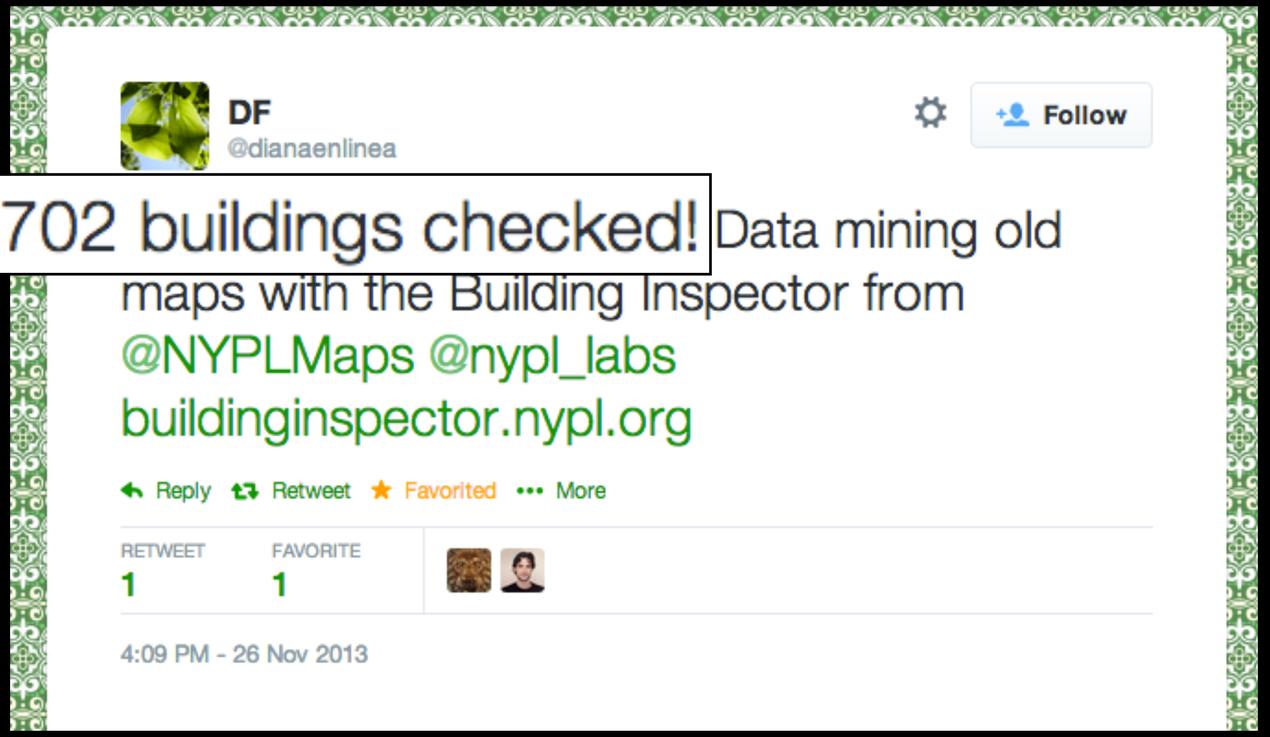
Building Inspector

buildinginspector.nypl.org

will people participate?

remember that little tweet button?


Xtin
@_Xtin_
Follow
3499 buildings checked!
Data mining old
spector from
@NYPLMaps @nypl_labs
Reply
Retweet
Favorited
More
RETWEETS
2
FAVORITE
1
11:19 AM - 22 Oct 2013


DF
@dianaenlinea
Follow
27702 buildings checked! Data mining old maps with the Building Inspector from @NYPLMaps @nypl_labs buildinginspector.nypl.org
Reply
Retweet
Favorited
More
RETWEET
1
FAVORITE
1
4:09 PM - 26 Nov 2013

Nicholas Arcolano
@arcolano
Follow
Mark my words, “Building Inspector” will be the next Flappy Bird. buildinginspector.nypl.org #openvisconf @mgiraldo
Reply
Retweet
Favorite
More

backyards

street names

use type

year

name

floors

skylights

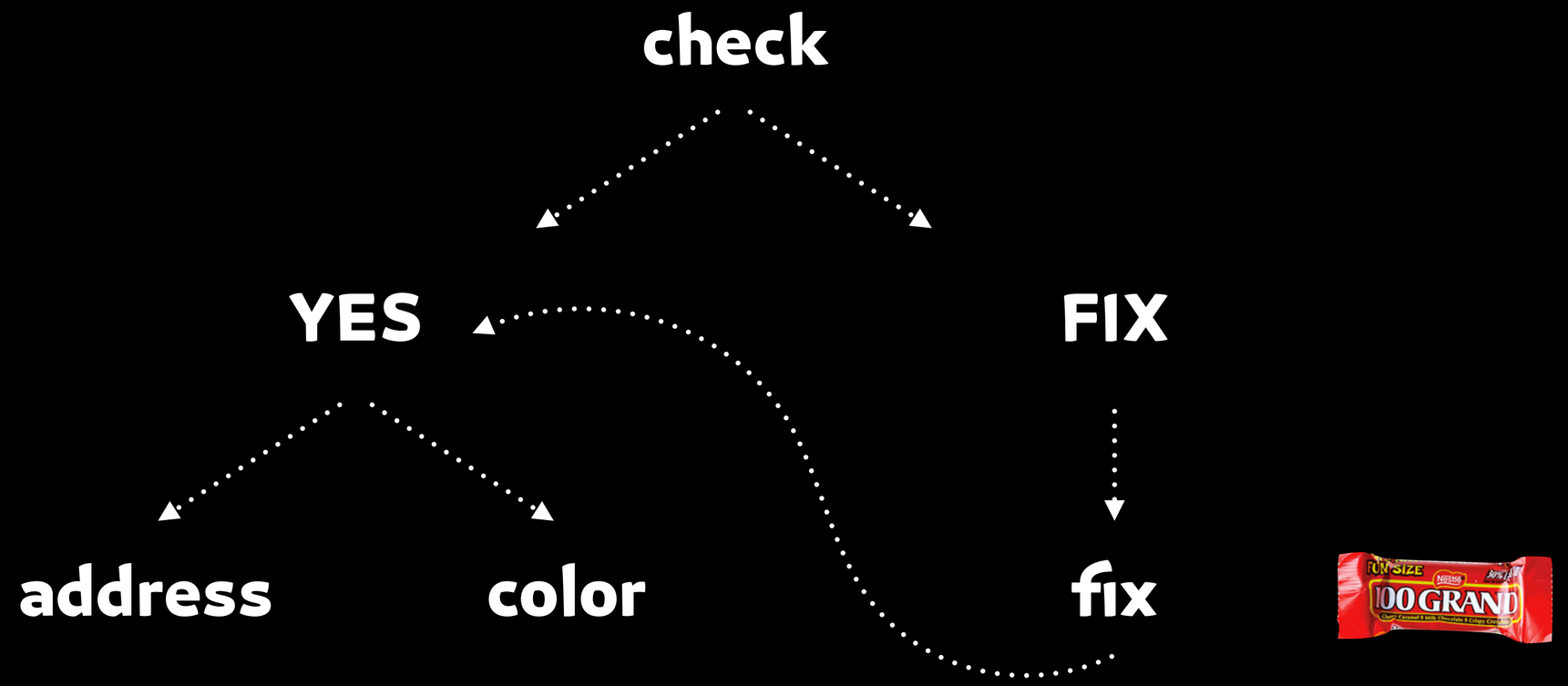
class

material

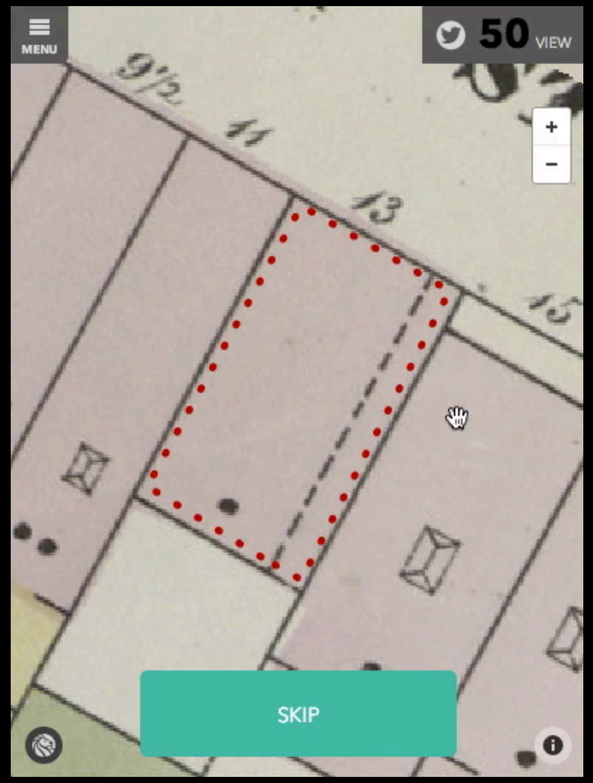
address

geo location

FUN SIZE
100 GRAND

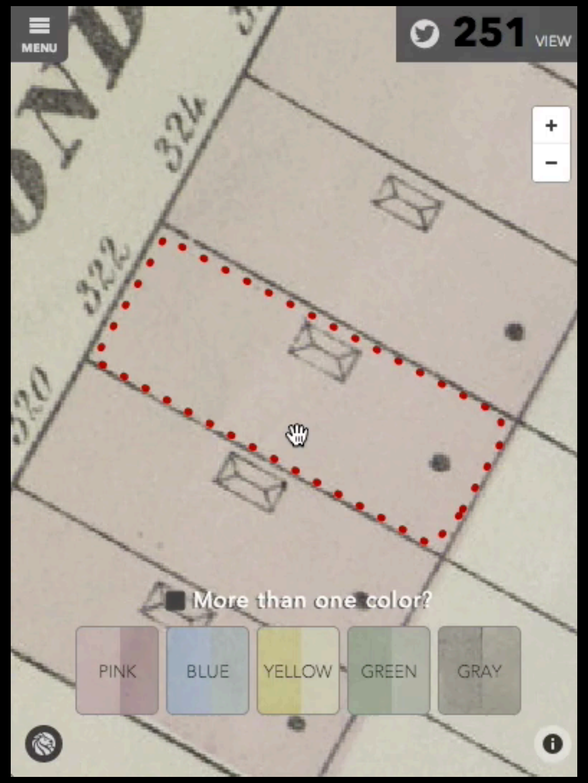


*footprints marked as “NO” go to polygon heaven



address

had to use full keyboard on mobile because fractions

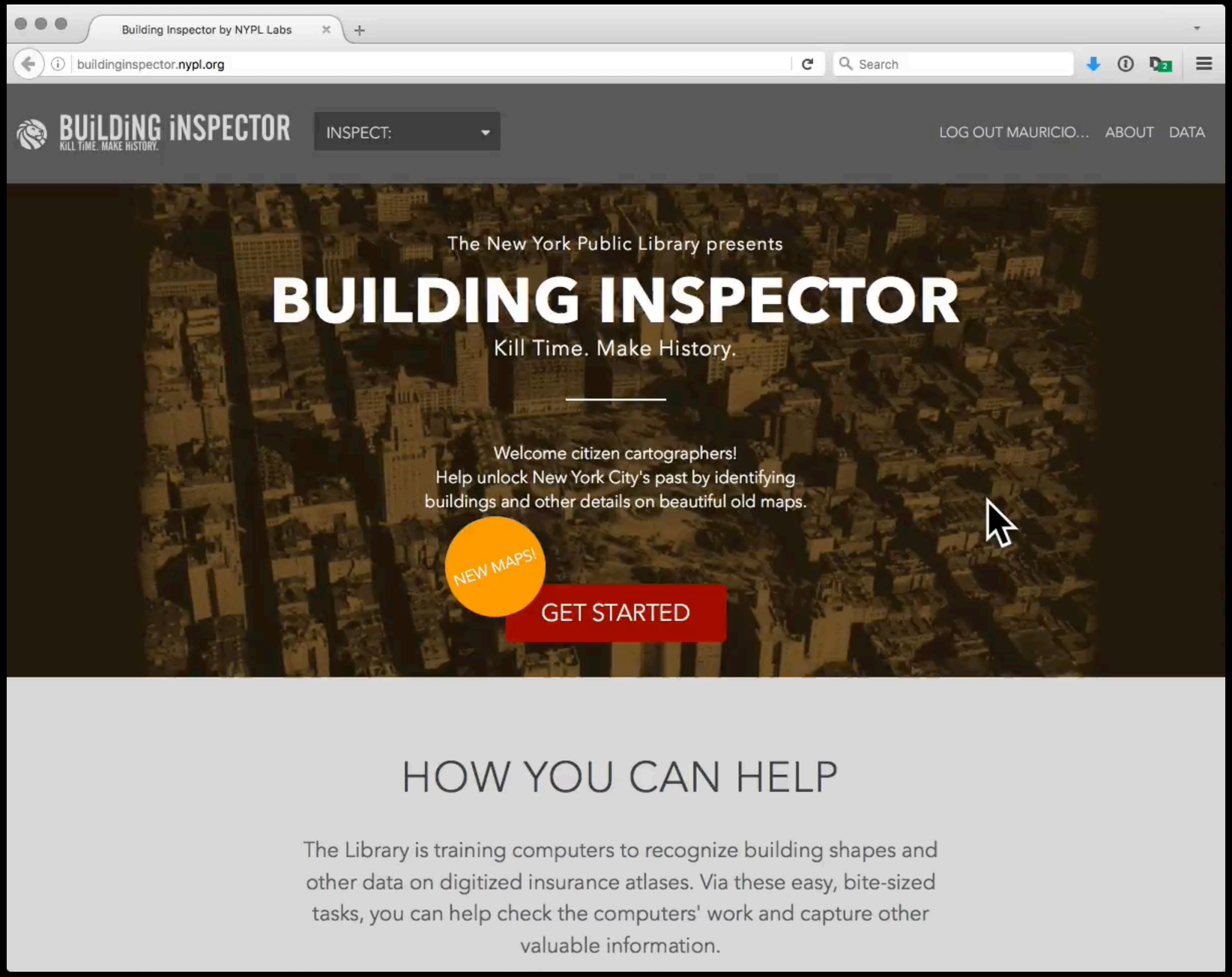

MENU
251 VIEW
324
322
320
+
−
More than one color?
PINK
BLUE
YELLOW
GREEN
GRAY

classify

fix

MENU
112 VIEW
+
−
Blacksmith's Shop
Coal.
Machinists Shop
NEXT AREA

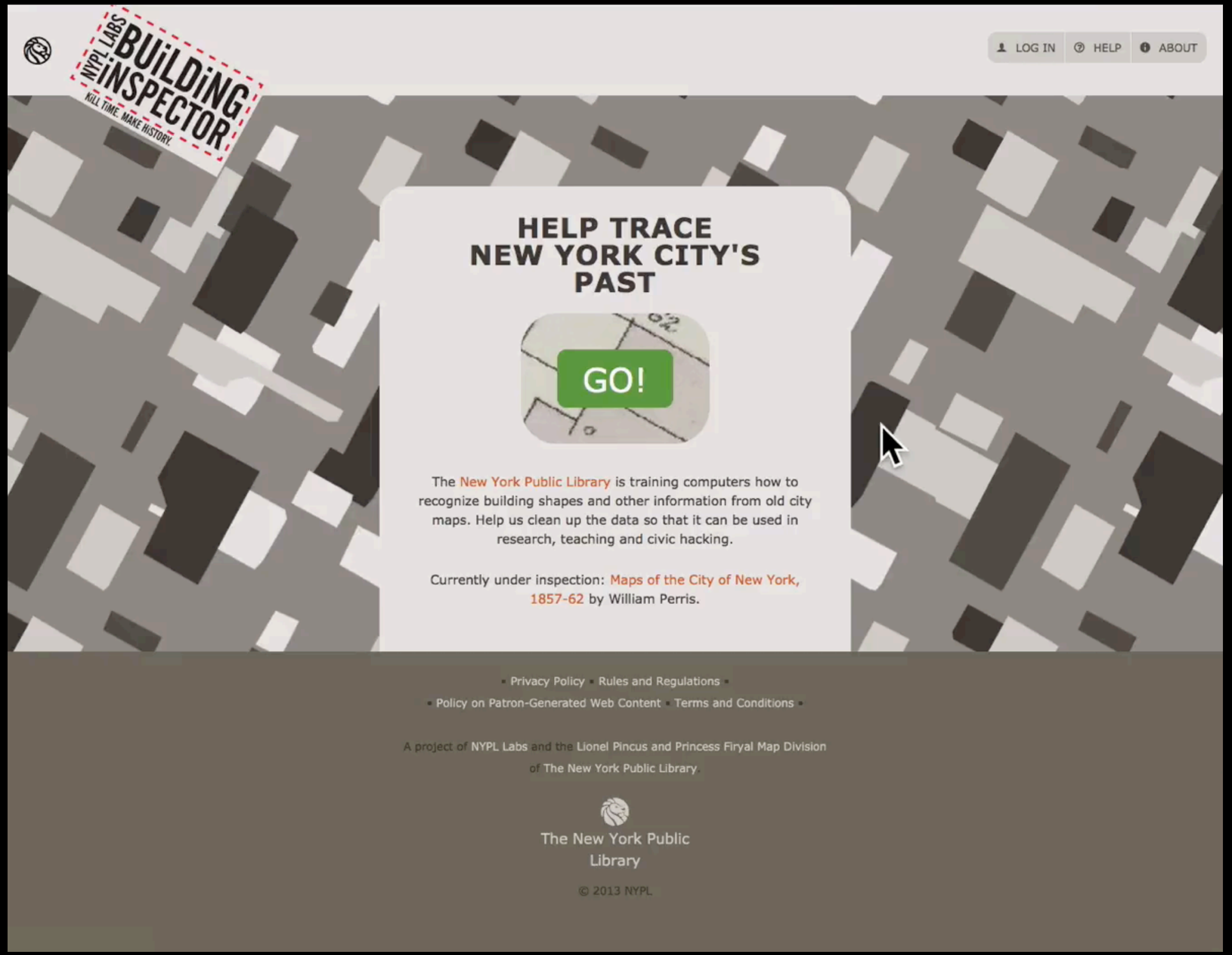
place names


Building Inspector by NYPL Labs
buildinginspector.nypl.org
Search
BUILDING INSPECTOR
KILL TIME. MAKE HISTORY.
INSPECT:
LOG OUT MAURICIO...
ABOUT
DATA
The New York Public Library presents
BUILDING INSPECTOR
Kill Time. Make History.
Welcome citizen cartographers!
Help unlock New York City's past by identifying
buildings and other details on beautiful old maps.
NEW MAPS!
GET STARTED
HOW YOU CAN HELP
The Library is training computers to recognize building shapes and other data on digitized insurance atlases. Via these easy, bite-sized tasks, you can help check the computers' work and capture other valuable information.

we add new maps as old ones are completed

the bottleneck now became geo-rectifying those maps ¯_(ツ)_/¯

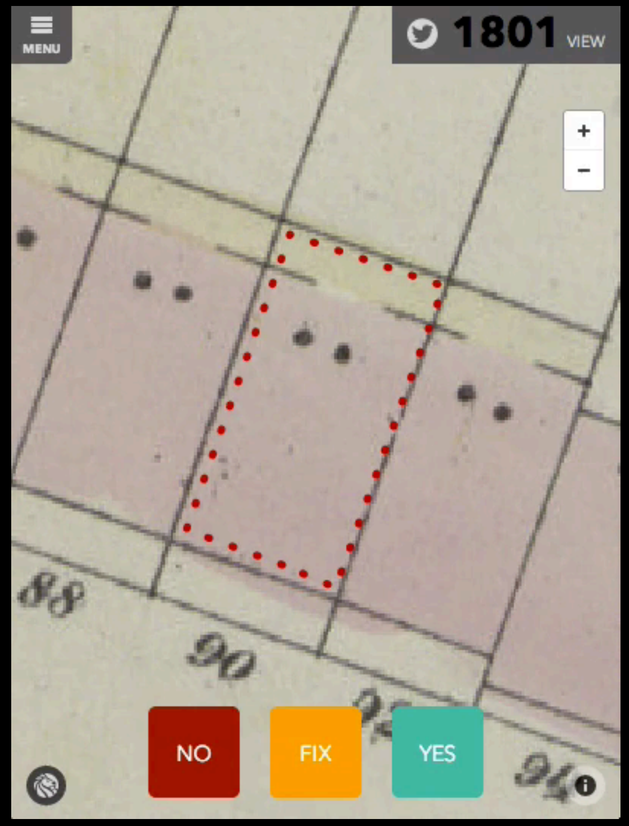
this is actually version 2



(the magic of git)

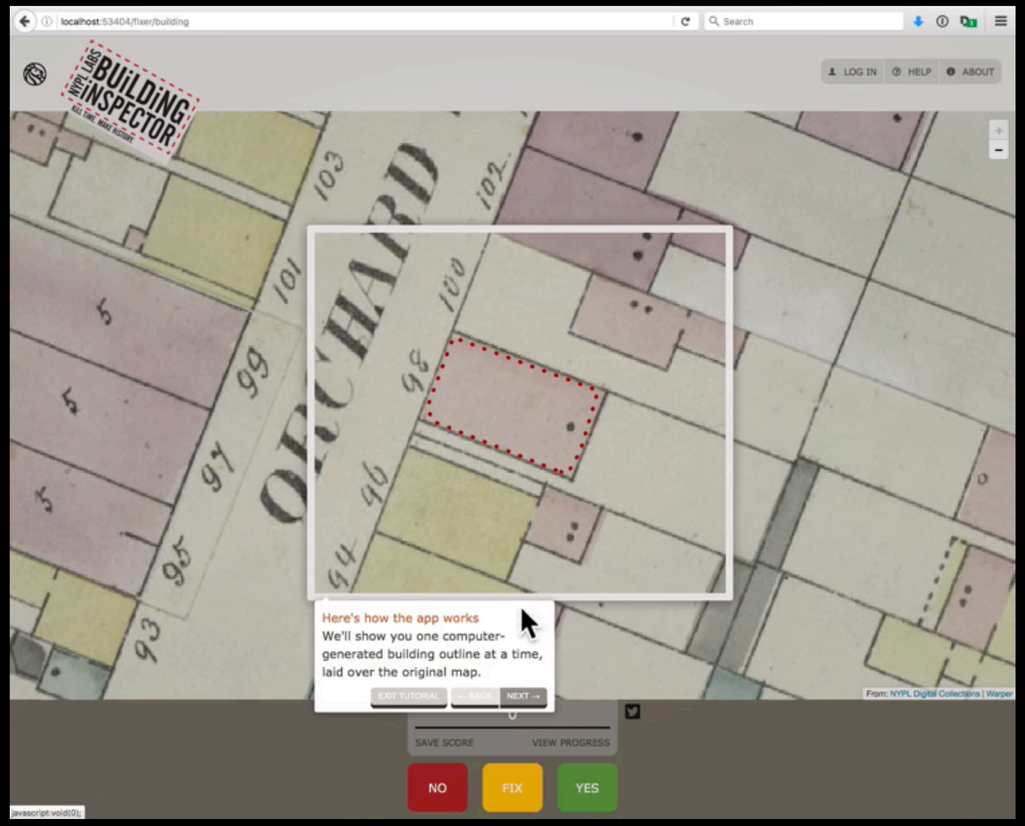
BUILDING INSPECTION
MGIRALDO
HELP
ABOUT
3
MGIRALDO
VIEW PROGRESS
NO
FIX
YES
From: NYPL Digital Collections | Warper

BUILDING INSPECTOR
MGIRALDO
HELP
ABOUT
3
MGIRALDO
VIEW PROGRESS
NO
FIX
YES
From: NYPL Digital Collections | Warper


MENU
1801 VIEW
88
90
NO
FIX
YES

BUILDING INSPECTOR
MGIRALDO
? HELP
i ABOUT
11
MGIRALDO
VIEW PROGRESS
YES
FIX
NO
javascript:;
From: NYPL Digital Collections | Warper

good tutorials are hard


localhost:53404/fixer/building
Search
LOG IN
HELP
ABOUT
BUILDING INSPECTOR
ORCHARD
Here's how the app works
We'll show you one computer-generated building outline at a time, laid over the original map.
EXIT TUTORIAL
NEXT →
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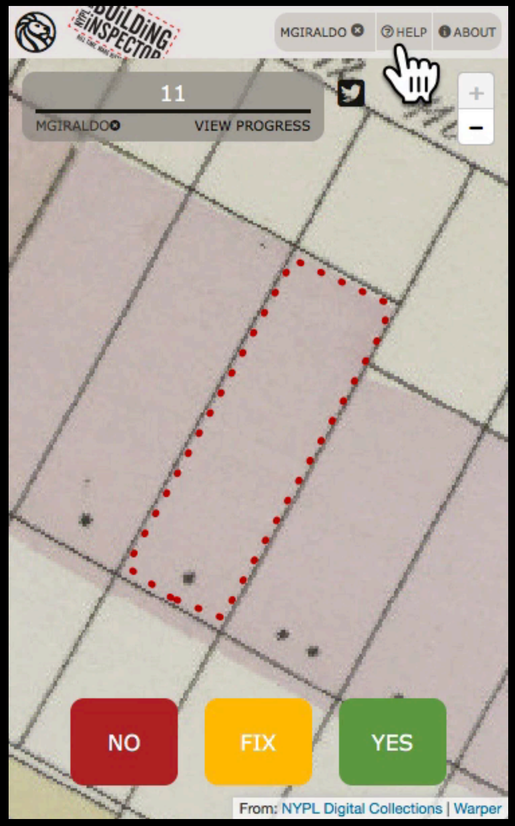
SAVE SCORE
VIEW PROGRESS
NO
FIX
YES


MGIRALDO
HELP
ABOUT
11
MGIRALDO
VIEW PROGRESS
NO
FIX
YES
From: NYPL Digital Collections | Warper

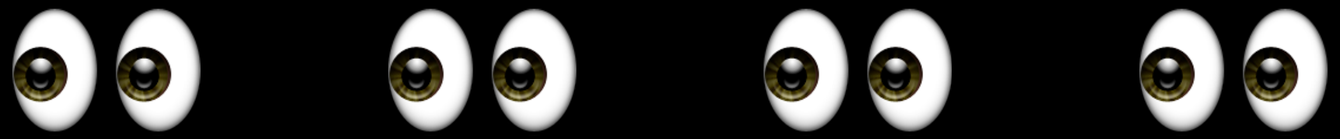
Super Mario Bros. (Nintendo, 1985)

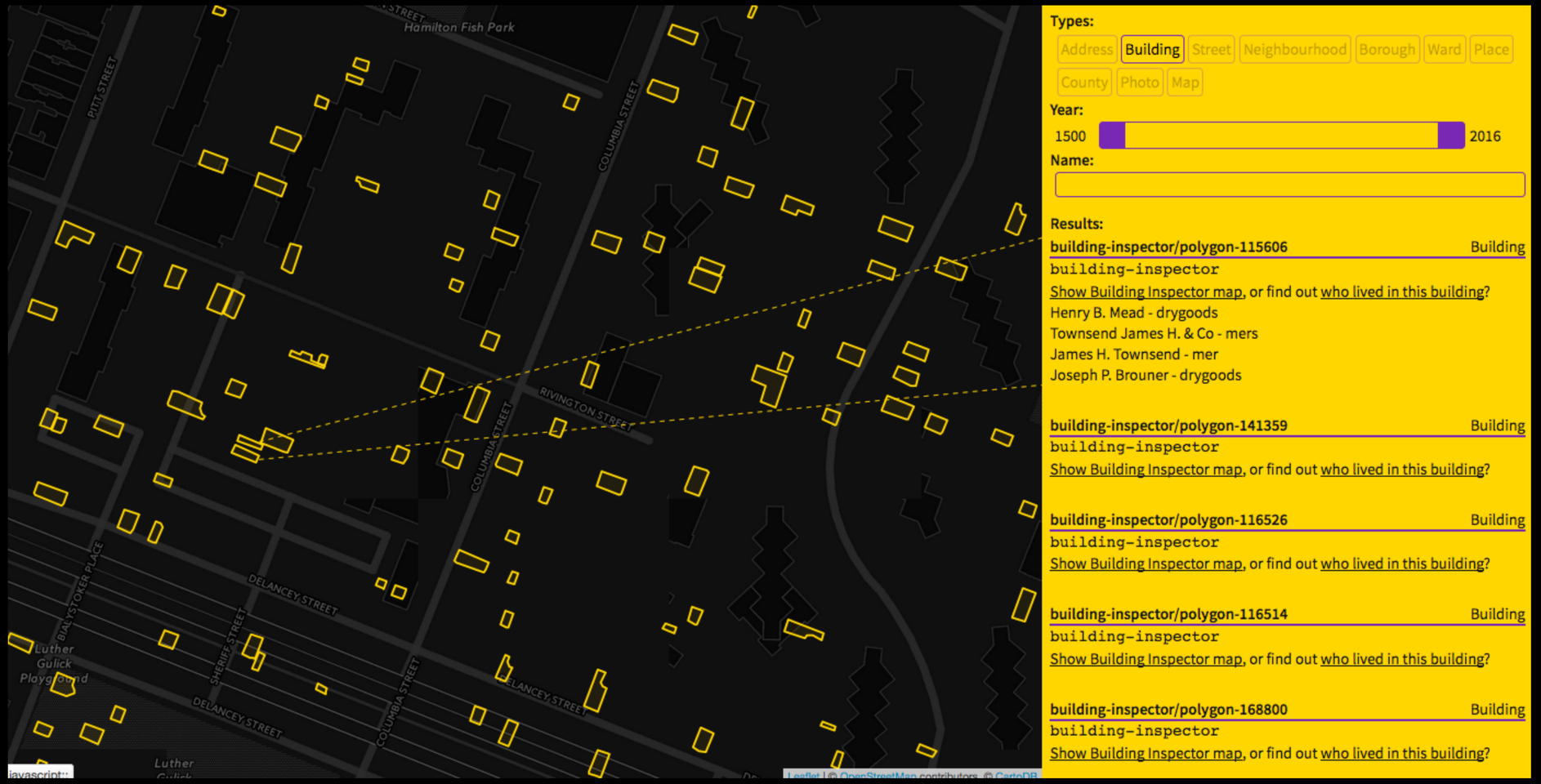
we have too many edge cases

or: how i learned to stop worrying and embrace imperfection

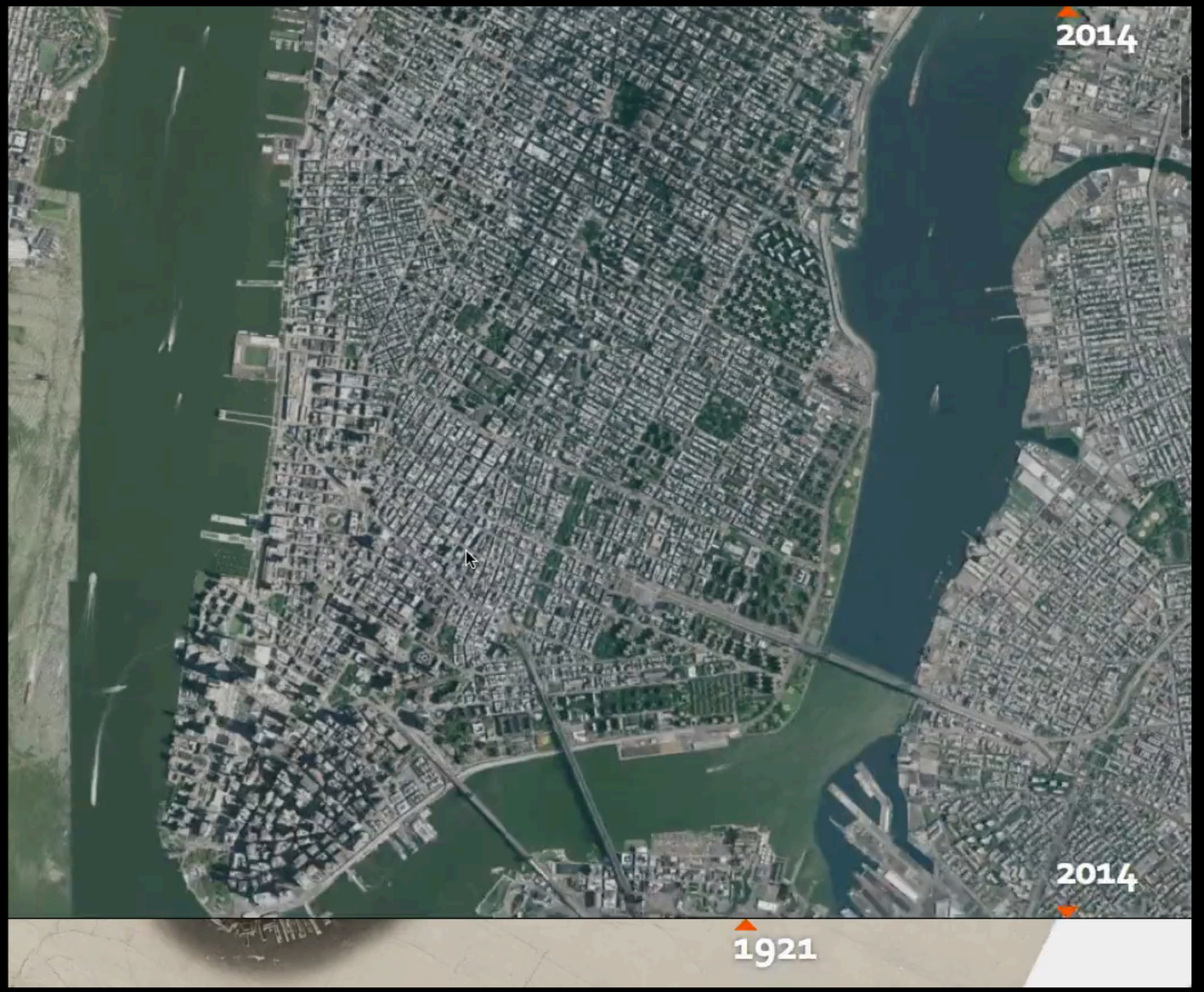
¯_(ツ)_/¯

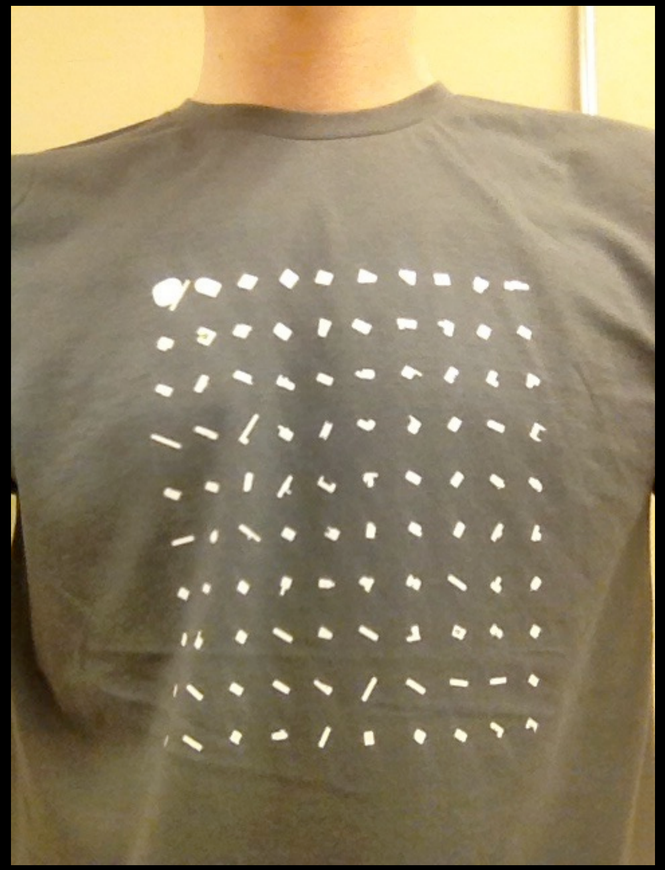
people skip them anyway

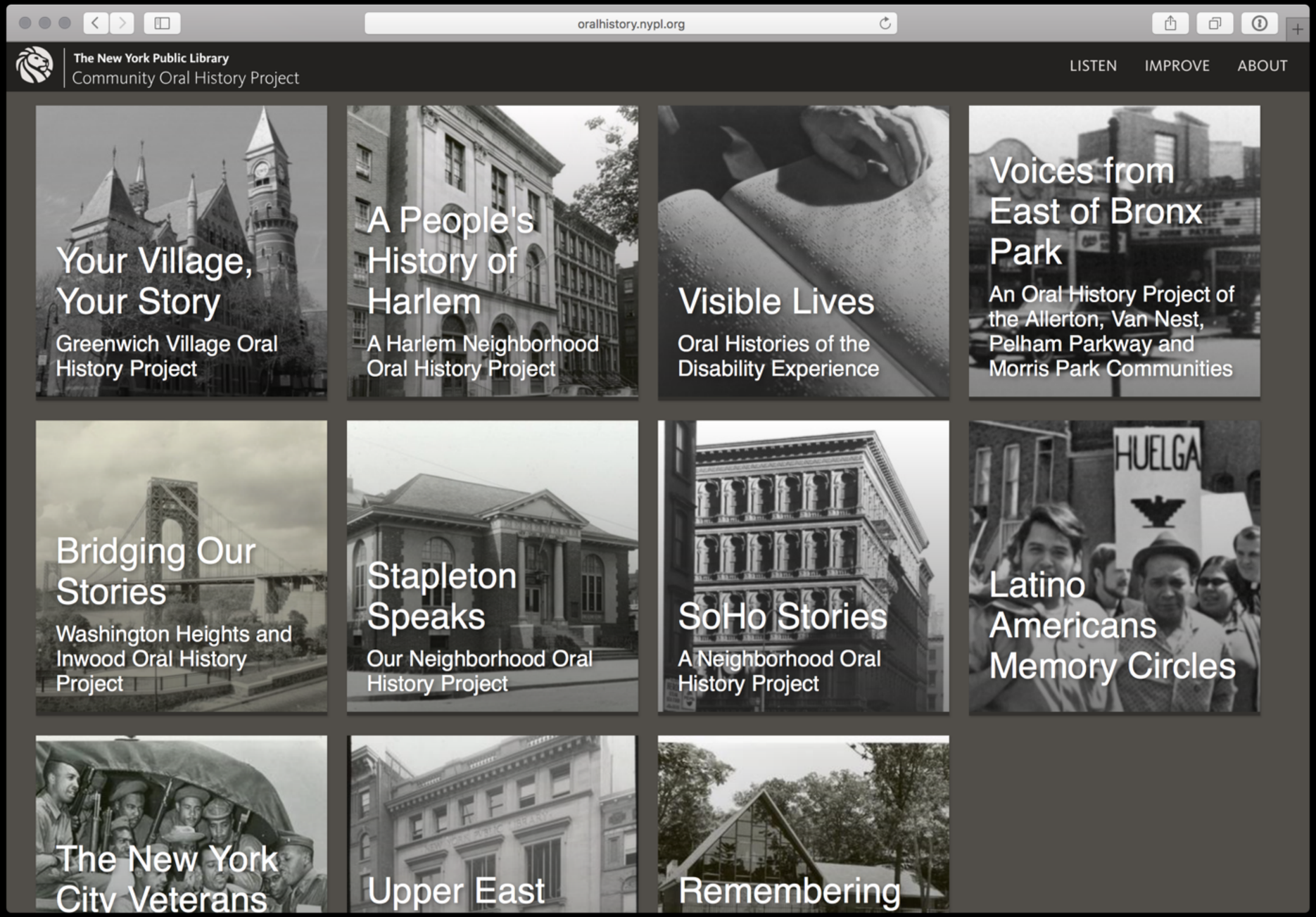



Hamilton Fish Park
PITT STREET
COLUMBIA STREET
RIVINGTON STREET
DELANCEY STREET
SHERIFF STREET
BIALYSTOKER PLACE
Luther Gulick Playground
Types:
Address
Building
Street
Neighbourhood
Borough
Ward
Place
County
Photo
Map
Year:
1500
2016
Name:
Results:
building-inspector/polygon-115606
Building
building-inspector
Show Building Inspector map, or find out who lived in this building?
Henry B. Mead - drygoods
Townsend James H. & Co - mers
James H. Townsend - mer
Joseph P. Brouner - drygoods
building-inspector/polygon-141359
Building
building-inspector
Show Building Inspector map, or find out who lived in this building?
building-inspector/polygon-116526
Building
building-inspector
Show Building Inspector map, or find out who lived in this building?
building-inspector/polygon-116514
Building
building-inspector
Show Building Inspector map, or find out who lived in this building?
building-inspector/polygon-168800
Building
building-inspector
Show Building Inspector map, or find out who lived in this building?

coming soon


2014
2014
1921




oralhistory.nypl.org
The New York Public Library
Community Oral History Project
LISTEN
IMPROVE
ABOUT
Your Village, Your Story
Greenwich Village Oral History Project
A People's History of Harlem
A Harlem Neighborhood Oral History Project
Visible Lives
Oral Histories of the Disability Experience
Voices from East of Bronx Park
An Oral History Project of the Allerton, Van Nest, Pelham Parkway and Morris Park Communities
Bridging Our Stories
Washington Heights and Inwood Oral History Project
Stapleton Speaks
Our Neighborhood Oral History Project
SoHo Stories
A Neighborhood Oral History Project
HUELGA
Latino Americans Memory Circles
The New York City Veterans
Upper East
Remembering

NYPL Community Oral History Project

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Visible Lives: Oral Histories of the Disability Experience
Frank Senior

Visible Lives

Oral Histories of the Disability Experience

Visible Lives: Oral Histories of the Disability Experience is an oral history project that works to both preserve and document a thematic history through personal recollections. This project will collect stories of people who are living with a disability and the Library will train community members to conduct these interviews. Interviews will be shared in a preservation archive at The Milstein Division and on the New York Public Library website. Public programs will also connect neighborhood residents and project participants.

Visible Lives is a project of Andrew Heiskell Braille and Talking Book Library in Manhattan. A public archive will be kept at this local branch for future generations to listen to and research.

For more information about this project or to share YOUR story: Please contact Alexandra Kelly at Outreach Services and Adult Programming, AlexandraKelly@nypl.org or (212) 621-0552.

Search Keyword...

Adam Payne

Adrian

Adrian Spratt

Adrian Wagner

Alem Blount

Alexandria Economou

Alex Catti

Alvaro Gutierrez

Alyson Bernhardt

Amanda Fitzpatrick

Amanda Lawrie-Jones

Amy Foxman

Amy Rosenfeld

Andrew Lenton

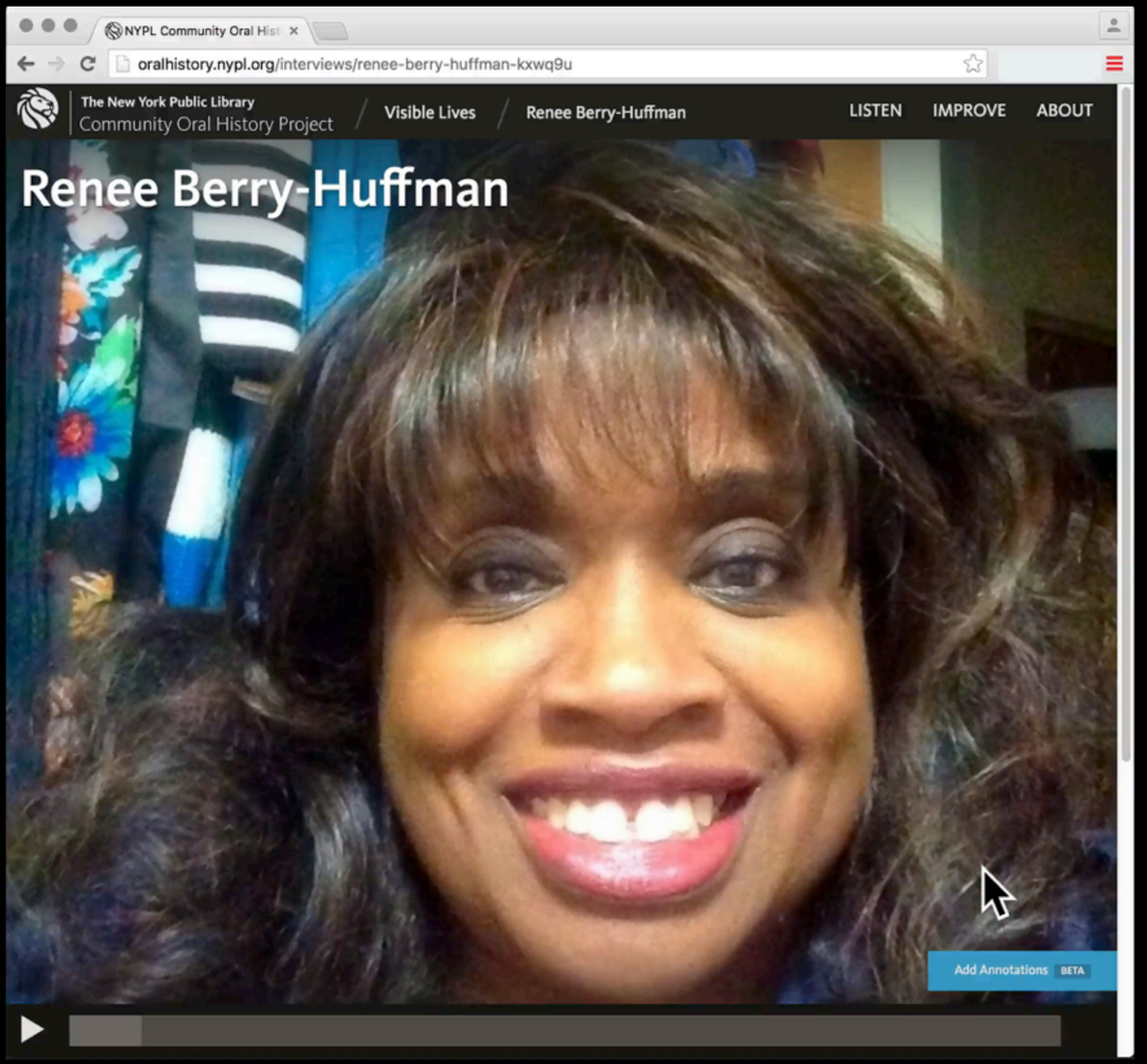
Andrew Polon

make these stories more accessible

FUN SIZE
100 GRAND

mark

transcribe



by brian foo @beefoo

allows for basic text search

but it's not a proper transcript

Visible Lives

Oral Histories of the Disability Experience

Visible Lives: Oral Histories of the Disability Experience is an oral history project that works to both preserve and document a thematic history through personal recollections. This project will collect stories of people who are living with a disability and the Library will train community members to conduct these interviews. Interviews will be shared in a preservation archive at The Milstein Division and on the New York Public Library website. Public programs will also connect neighborhood residents and project participants.

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maine

Adrian Spratt

Maine (37:33) Maine (37:40) Portland, Maine (37:42)

Renee Berry-Huffman

Portland, Maine (0:23)

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oralhistory.nypl.org/annotations/frank-senior-6178dq/mark
< Go Back To Interview Page
1:08:07 / 2:38:42
Done? Next: Transcribe
camp (19:43) care package (20:29) Larry Moskowitz (20:39) fight (21:21) parents (22:32) Catholic nursery school (22:51) sight conservation (24:31) classrooms (24:37) P.S. 6 (25:16) father (25:46)
West Indies (26:42) the South (26:45) family disabilities (26:48) graduation (27:50) 86th Street (27:53) P.S. 104 (28:08) Lavelle School for the Blind (28:28) playing (29:03) popularity (29:34)
blind community (29:45) Lavelle School for the Blind (30:12) nuns (30:15) teasing (31:25) childhood friends (32:46) school clothing (33:11) Lavelle School for the Blind (33:37) sports field (33:44)
221st Street Bronx (34:06) Lavelle School for the Blind (34:07) dating (34:48) wife (34:49) Lavelle School for the Blind (34:51) Music and Art High School (35:37) Tyrone Jackson (35:53) Mel Eisenbach (36:25)
Board of Education (36:26) Sister Mariana (37:18) graduation (37:50) professional singer (38:26) friends' deaths (38:42) car accident (38:52) best friend Tyrone (40:19) subway death (41:12)
Grand Central (41:20) Industrial Home for the Blind (41:32) Industrial Home for the Blind (41:35) New York University (NYU) (41:43) recreational therapy (41:46) mainstreaming (42:52) getting around (44:33)
New York City (44:35) subway (44:47) best friend Tyrone (45:03) cane (45:41) The Lighthouse (45:54) seeing-eye dog (46:07) Monty Ublansky (46:40) sense of smell (47:11) guide dog (48:35)
German Shepherd (49:22) Shepherd dogs (49:47) dog training (50:20) Central Park (51:42) Connecticut (51:54) Pound Ridge, NY (51:56) Tom Dunn (52:00) walking with guide dog (52:09) dog Q (53:11)
Access-A-Ride (54:01) New York University (NYU) (55:07) blind recreation space (56:01) 1980s (56:33) Barry Harris (56:40) Jazz Cultural Theater (57:00) 28th Street (57:02) 1983 (57:25)
Jewish Guild for the Blind (57:30) 1970s (57:39) 42nd Street and 5th Avenue (57:56) newsstand (58:13) working (58:31) Jazz Cultural Theater (59:46) 1986 (59:54) National Education Association (1:00:05)
father's heart attack (1:00:19) cancer (1:01:55) Joseph Love (1:02:17) mother (1:02:55) Spanish Harlem (1:03:43) stepfather (1:04:37) trust (1:05:20) iPhone (1:07:22) assistive technology (1:08:07)
iPhone (1:09:15) apps (1:09:43) Voiceover app (1:10:04) apps for blind people (1:10:36) Derek Jeter (1:11:17) reel-to-reel (1:11:29) technology (1:13:00) American Council of the Blind (1:13:16)
recording app (1:14:21) meeting wife (1:16:04) Lavelle School for the Blind (1:16:15) Millie (1:17:00) Pawling, NY (1:17:23) Marist College (1:17:52) Dutchess County, NY (1:17:56)
New York University (NYU) (1:18:00) raising child (1:18:36) grandson (1:20:29) Braille (1:24:02) P.S. 6 (1:24:03) iPhone (1:24:29) KNFB Reader (1:25:18) National Federation for the Blind (NFB) (1:25:22)
subway platform (1:26:28) American Council of the Blind (ACB) (1:27:09) National Federation for the Blind (NFB) (1:27:35) American Council of the Blind (ACB) (1:27:41) bowling (1:27:54)
childhood friends (1:29:17) Tennessee (1:29:26) Facebook (1:29:31) Kenny Reynolds (1:29:33) Facebook (1:29:46) Obama (1:30:22) racism (1:30:38) political views (1:30:58) sports (1:31:28) walking (1:32:15)
125th Street (1:32:18) guide dog (1:32:44) visual art (1:34:00) perception (1:34:32) blind artist (1:34:57) blind from early childhood (1:35:15) teenager blind since age 2 (1:35:29) blind sensing sounds (1:35:35)
size perception (1:36:11) elephant (1:36:32) whale (1:37:05) Madame Tussauds Wax Museum (1:37:27) Madame Tussauds Wax Museum (1:37:47) Shaquille O'Neal (1:38:03) John F. Kennedy (1:38:09)
Michael Jackson (1:38:10) Shaquille O'Neal (1:38:38) dolphins (1:39:12) England (1:39:41) Florida (1:40:51) Morocco (1:41:23) traveling (1:41:30) dream trip (1:41:44) bucket list (1:42:10) Japan (1:42:14)
National Federation for the Blind (NFB) (1:43:21) acceptance work in progress (1:43:31) documentary (1:43:35) Dialogue in the Dark (1:43:53) attitude (1:44:21) listening (1:44:26) store behaviors (1:44:52)
American Council of the Blind (ACB) (1:45:10) cues for blind people (1:45:29) deaf people (1:45:59) play (1:46:02) University of Arkansas (1:46:27) questions about deaf people (1:47:36) Braille writer (1:48:12)
making love (1:49:51) magic of sight (1:51:40) Marist College (1:52:35) orchestra seats (1:52:51) African American (1:53:32) skiing (1:56:07) Sports for Health (1:56:28) Ski for Light (1:56:30)
United States Association of Blind Athletes (USABA) (1:56:34) bar (1:57:19) segregated bathrooms (1:58:26) blind privilege (1:58:51) operation (2:00:12) robots (2:01:30) modern assistive technology (2:02:05)
technology funding (2:03:01) State Commission for the Blind (2:03:18) Apple (2:03:42) JAWS screen reader (2:03:51) iPhone 5S (2:04:40) music apps (2:09:10) website applevis.com (2:10:35)
Play space bar
Back 4s left arrow
Undo backspace
Restart r

we felt we needed something different

New York
Public
Library

THE MOTH

Knight Foundation

computers are good at some things...

like OCR for audio!™

(not sure if they trademarked that)

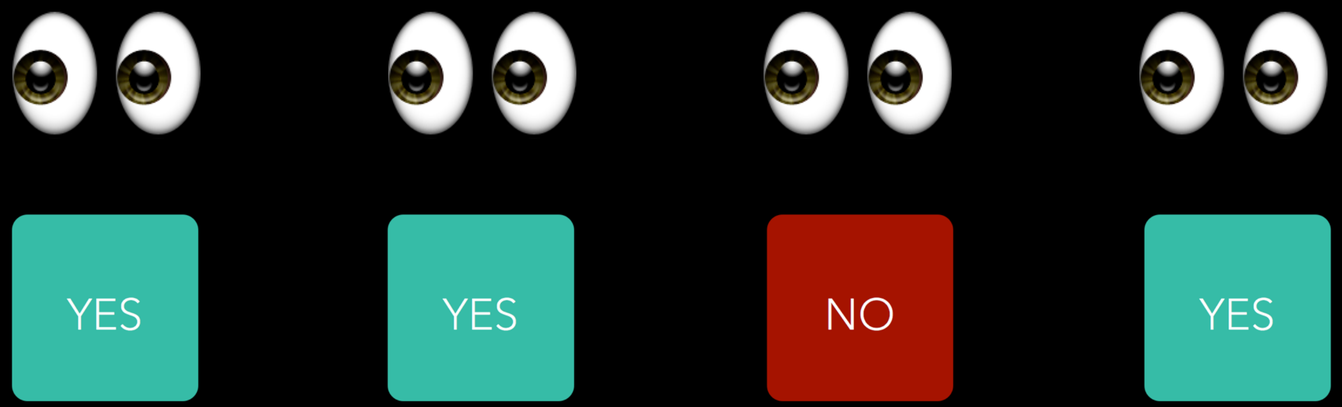
we get transcription “snippets”

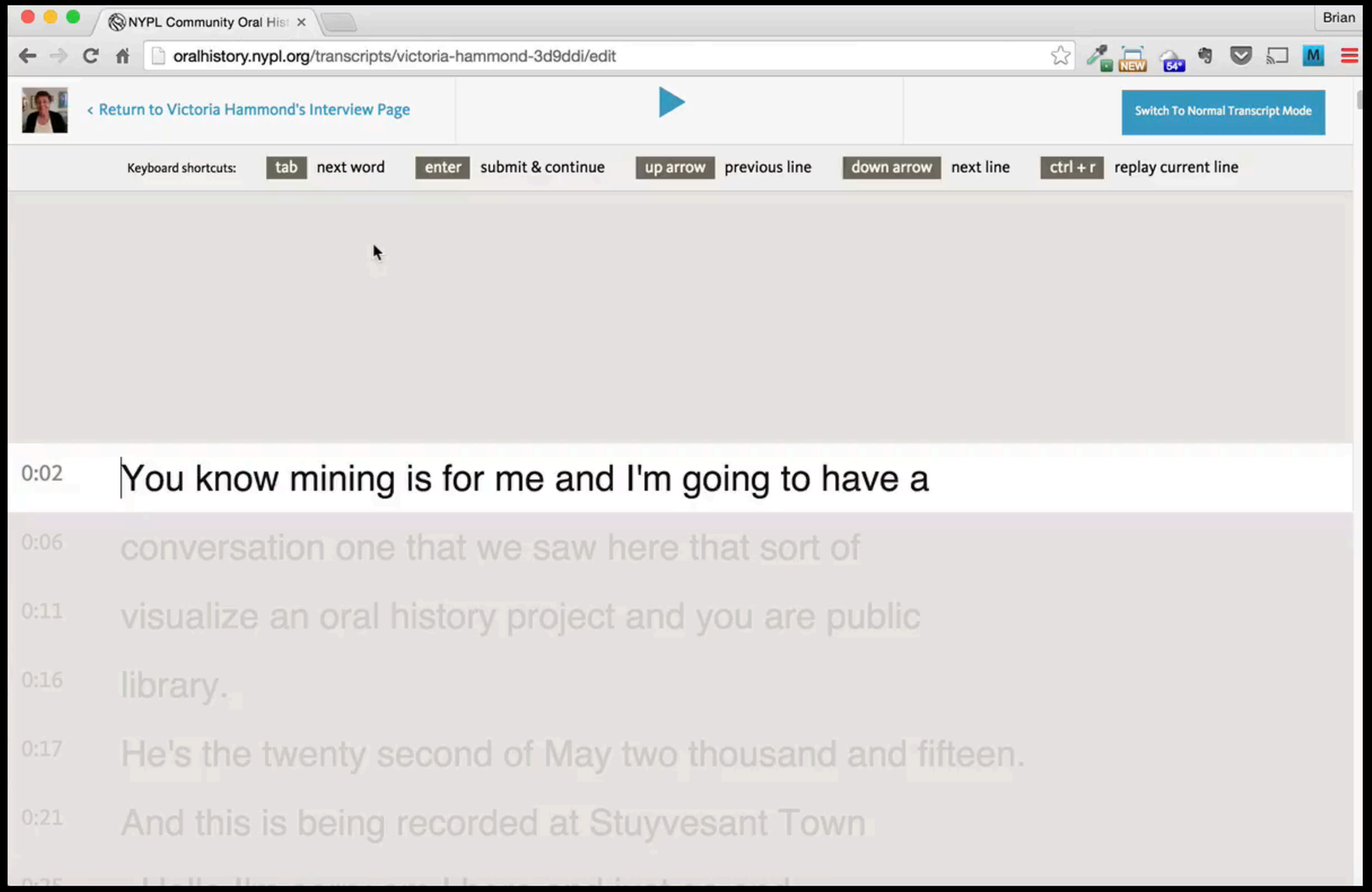
from 1 to about 6 seconds long in varying levels of quality

start_time	sequence	original_text
4077	0	So many Muslims out and going to be having a conversation with the ones of you know
9008	1	for visible lives and history project at in the library
13107	2	. Today is December second twenty fourteen.
17948	3	And. This is being recorded at the into high school library
27957	5	Tell me something about growing up. Sure where you come from.
31267	6	Sure so I was born in Plainfield New Jersey
36538	7	which is about twenty miles west of New York City
41148	8	almost New Jerseyites or New Jerseyans say that there are two
46127	9	parts of Jersey north and south. But. Some
50367	10	. Some folks will argue there's something called Central
55307	11	Jersey but usually those people that don't come from New Jersey. So
60587	12	North Jersey where I grew up when I was first where I was
65227	13	born we lived actually in playfields in a
70138	14	little apartment my mother and father and my first our first dog to a little
74897	15	poodle who I swear I remember my mother Oh he said I only remember it from
79608	16	pictures because I was so little I couldn't possibly remember the dog.
85347	17	But after you know after a while we move to a bigger house in a town called
89998	18	Middlesex this is all around the same sort of part of New Jersey sort of Union
94737	19	County Somerset County. And then for a while
99498	20	after that we lived there till I was about two and a half or three because my my
104267	21	brother Steven was born at that time. When was this when I was born in one thousand
108918	22	sixty two March one thousand nine hundred sixty two and my brother was born in November of
113877	23	one thousand sixty four. We moved in with my mother's
118877	24	mother for a little while while we were while my parents were searching for a
123388	25	house where at a town where they really wanted to
127938	26	settle. On and that was in North Plainfield New Jersey where I
132787	27	lived for I'd say. Really a year he lived with my grandmother

people are good at other things...

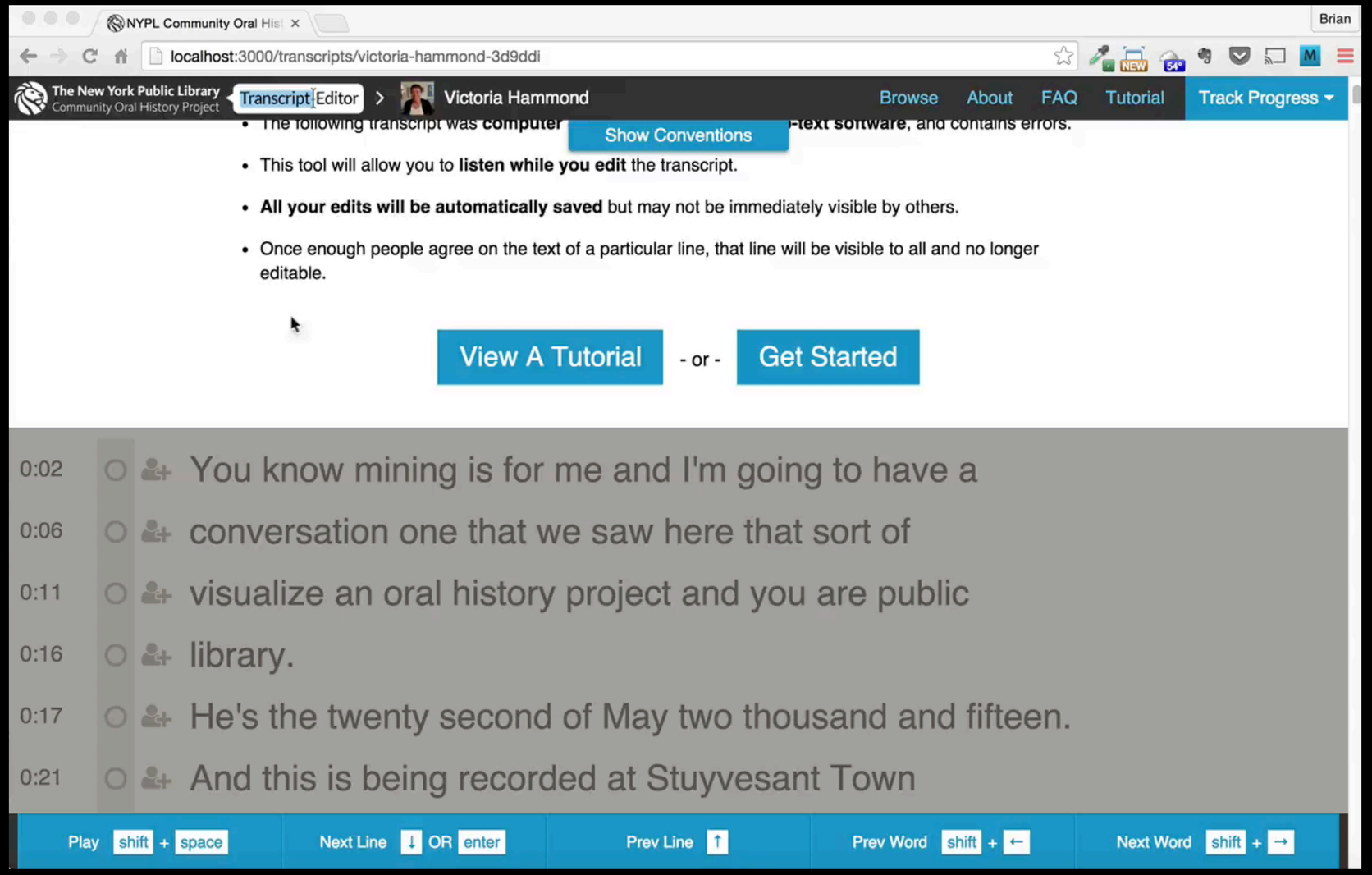
FUN SIZE
100 GRAND


YES
YES
NO
YES



by brian foo @beefoo

we conducted a few usability studies



by brian foo @beefoo

submitted_text
and, this is being recorded at the Andrew Heiskell Library.
and this is being recorded at the Andrew Heiskell library.
And this is being recorded at the Andrew Haskell library.
and this is being recorded at the ? High School library.
and this is being recorded at the [?] High School library.
And, this is being recorded at Andrew Highskill library.
And, this is being recorded at the Andrew Highskill Library.
And... this is being recorded at the Andrew Heiskell Library
and, this is being recorded at the high school library.
And. This is being recorded at the [inaudible] library
And. This is being recorded at the Andrew Heiskell library

submitted_text
ugh, Some folks will argue there's something called Central
folks will argue there's something called Central
some folks will argue there's something called Central
%uh, uh some folks will argue there's something called Central Jersey
uh, uh, some folks will argue there's something called Central Jersey.
some folks will argue there's something called Central
uh, some folks will argue there's something called Central Jersey
Some folks will argue there's something called Central
Some folks will argue there's something called Central Jersey
Uh, some folks will argue there's something called Central
%uh, some folks will argue there's something called Central

it’s hard to reach consensus

ಠ_ಠ

embrace imperfection

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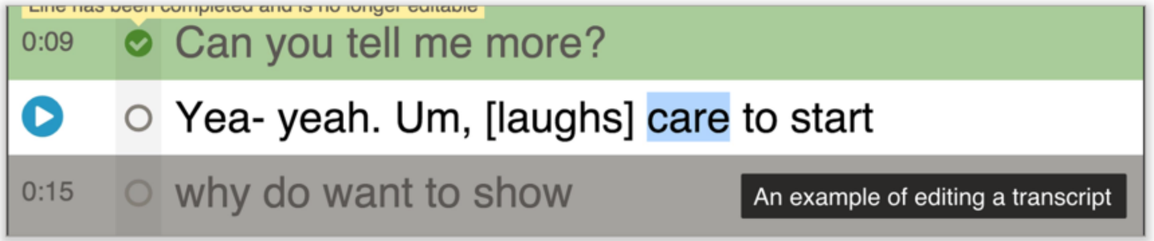
The New York Public Library Community Oral History Project | Transcript Editor | Browse | About | FAQ | Track Progress

The New York Public Library Community Oral History Project Transcript Editor

Make hundreds of NYC stories accessible -- one word at a time.

A Together We Listen Project

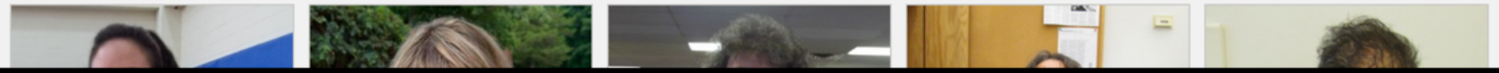
Help The New York Public Library fix computer-generated transcripts from hundreds of stories from the library's Community Oral History Project.



An example of how the transcript editor works (click for sound)

Select an interview to get started.

Filter by Collection: All Collections | Sort by: Completeness (most to least) | Search Title/Description



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VISIBLE LIVES

Amy Foxman

Interviewed by Diane Campione

8m

95% completed

VISIBLE LIVES

Alexandria Economou

Interviewed by Christina Ladas

11m

93% completed

VISIBLE LIVES

Virginia Amato

Interviewed by Diane Campione

3m

92% completed

VISIBLE LIVES

Annamarie Kaplon

Interviewed by Lynne Luxton

26m

48% completed

VISIBLE LIVES

Amy Rosenfeld

Interviewed by Lynne Luxton

15m

45% completed

VISIBLE LIVES

Alex Catti

Interviewed by Alexandria Economou

16m

29% completed

VISIBLE LIVES

Sherrie Maness

Interviewed by Alex Kelly

15m

27% completed

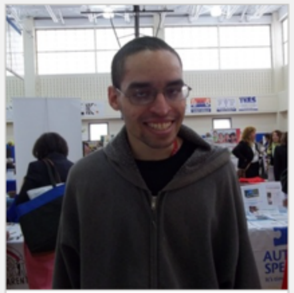
A PEOPLE'S HISTORY OF HARLEM

Aisha al-Adawiya

Aisha al-Adawiya, a Harlem resident for 35 years, also works in Harlem - at the renowned…

28m

23% completed



VISIBLE LIVES

Arthur King

Interviewed by Diane Campione

3m

20% completed

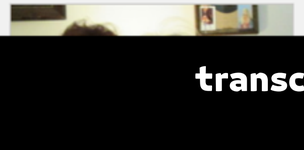
A PEOPLE'S HISTORY OF HARLEM

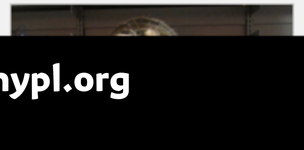
Esther Zhang

China-born Esther Zhang, a graduate student now residing in Harlem, shares her impressio…

23m

17% completed





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AUDIO LIBRARY FOR WEB

A Country Boy's Journey

AUDIO LIBRARY FOR WEB

About Your Mother

AUDIO LIBRARY FOR WEB

A Blind Ear

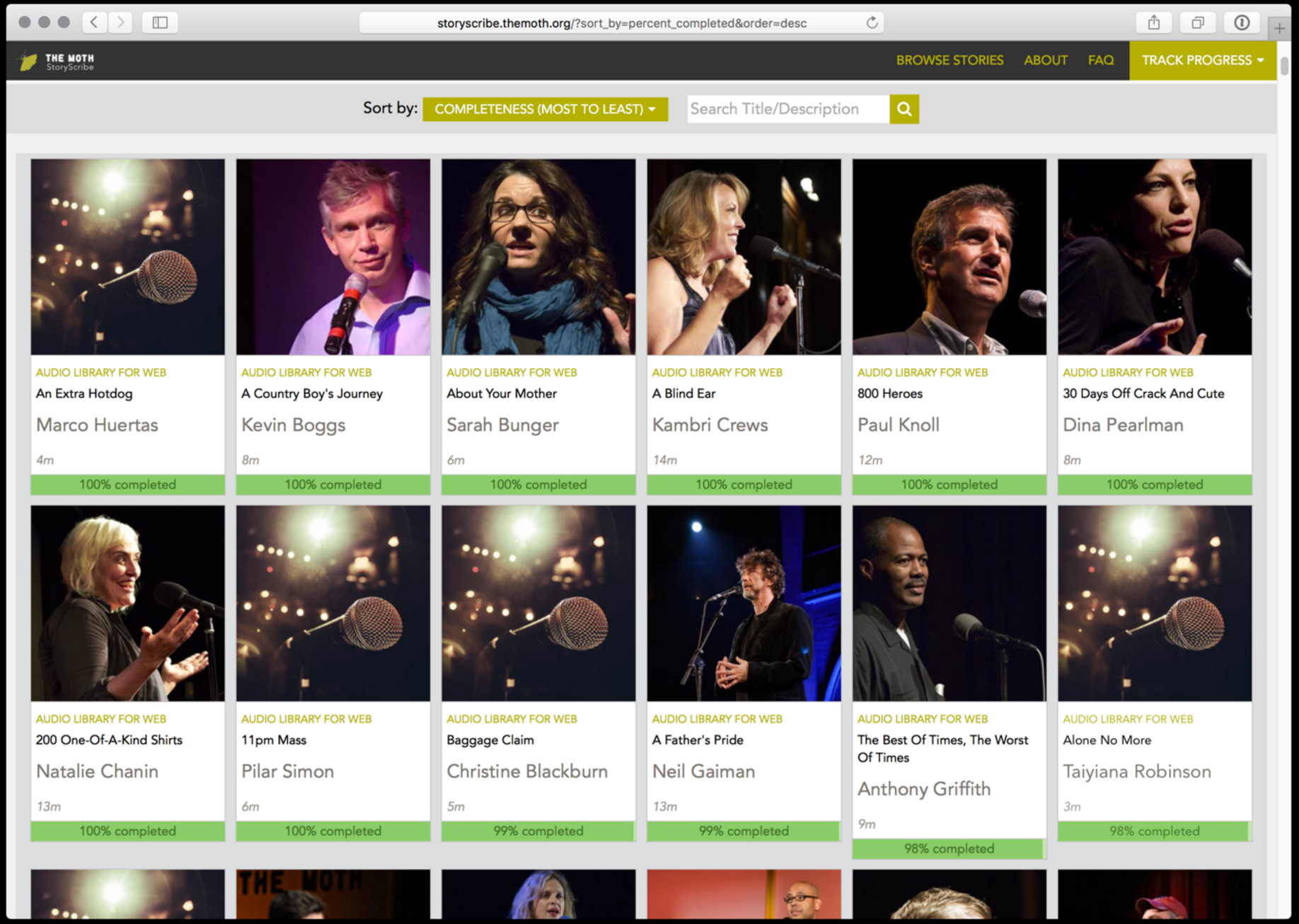
AUDIO LIBRARY FOR WEB

800 Heroes

AUDIO LIBRARY FOR WEB

30 Days Off Crack And Cute

storyscribe.themoth.org



this is one week after launch

it is still being improved

two of several projects we've worked on so far

of human-computer collaboration

it's a collaborative process

Willa Armstrong, Shawn Averkamp, Paul Beaudoin, Brian Foo, Josh Hadro, Elizabeth Hummer, Ara Kim, Shana Kimball, Tom Listanti, Matthew Miller, Eric Shows, Bert Spaan, and more at NYPL…

one more thing...

Sold only by Griffith & Griffith
Continent Stereoscopic Co.
387-The Pima Indian of Arizona
258. Our Alaskan Sisters Up in the Klondike Country
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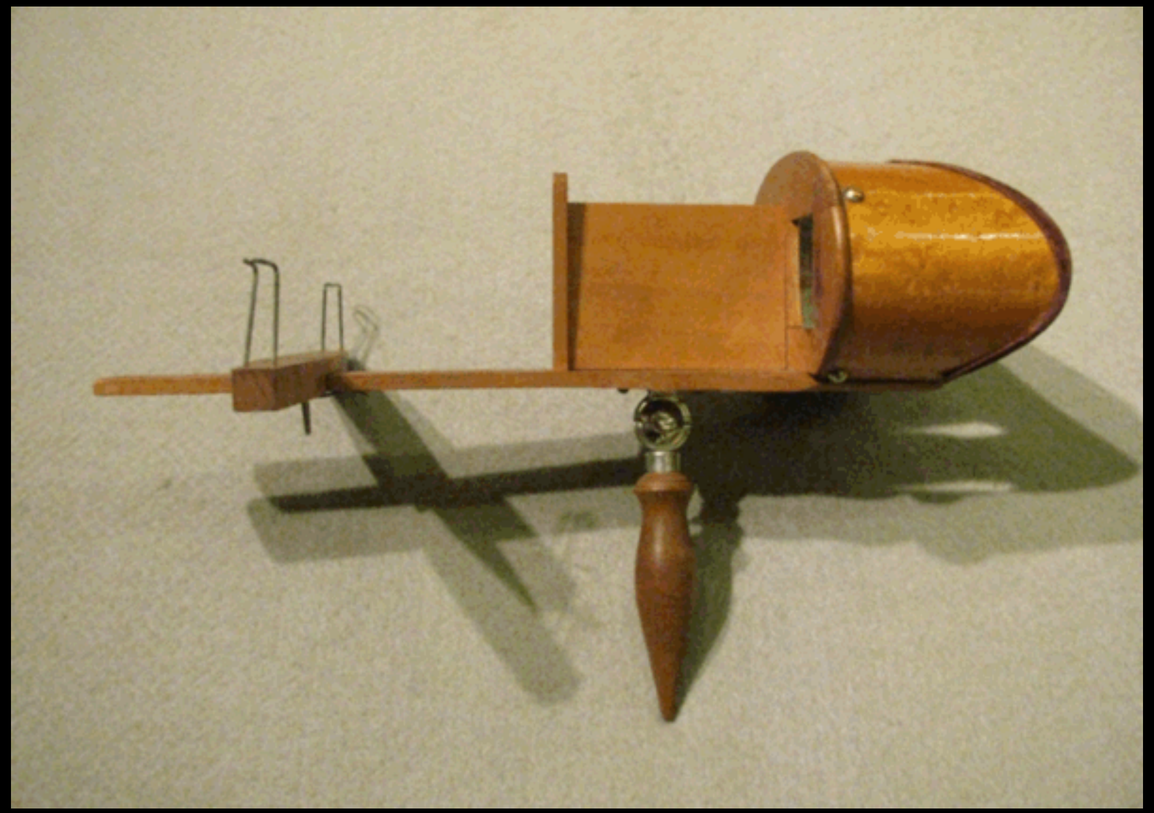

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Chrome File Edit View History Bookmarks Window Help Sun 12:34

CursiveBuildings

lala.cursivebuildings.com/tagged/reaching

June 21

the Atlantic

"What Big Media Can Learn From the New York Public Library" (article here)

Alexis Madrigal, a senior editor at *The Atlantic*, mentioned my ongoing *Reaching for the Out of Reach* project & linked to cursivebuildings.com yesterday in a real interesting article on all the good things NYPL is doing w/its archives. Rad! So happy to play a part in these important discussions. Back when this project first gained notice on a large scale, the library contacted me out of the blue &, to my surprise, were very supportive of the endeavor (... as I hadn't exactly asked permission to re-imagine their archived stereographs). It's great to see them get positive press in response to their initiative on this matter.

ps. Interesting topic? A previous, related post.

November 21

Reaching for the Out of Reach 60:

A young man rests at Peru Fork, Colorado, circa 1875.

[more from this project (nypl permalink)]

PROJECTS

Reaching for the Out of Reach

Blog Art **(looks)**

Blog Words **(reads)**

Reclaiming the World through Photography

Fever Math

Ahhhhhmegazine
no. 5, no. 4, no. 3, no. 2, no. 1 **(art mags)**

Overheard in SF

You Do Not Need to be Emperor

Polaroids/Photos

The Last Works of Egon Schiele

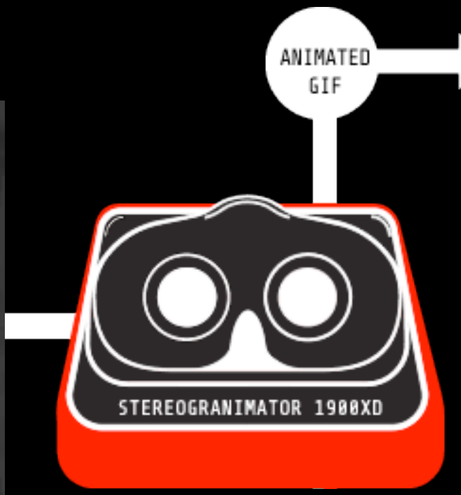
SONGS (more)

- **summertime**

lala.cursivebuildings.com

how to decode the 3D data?

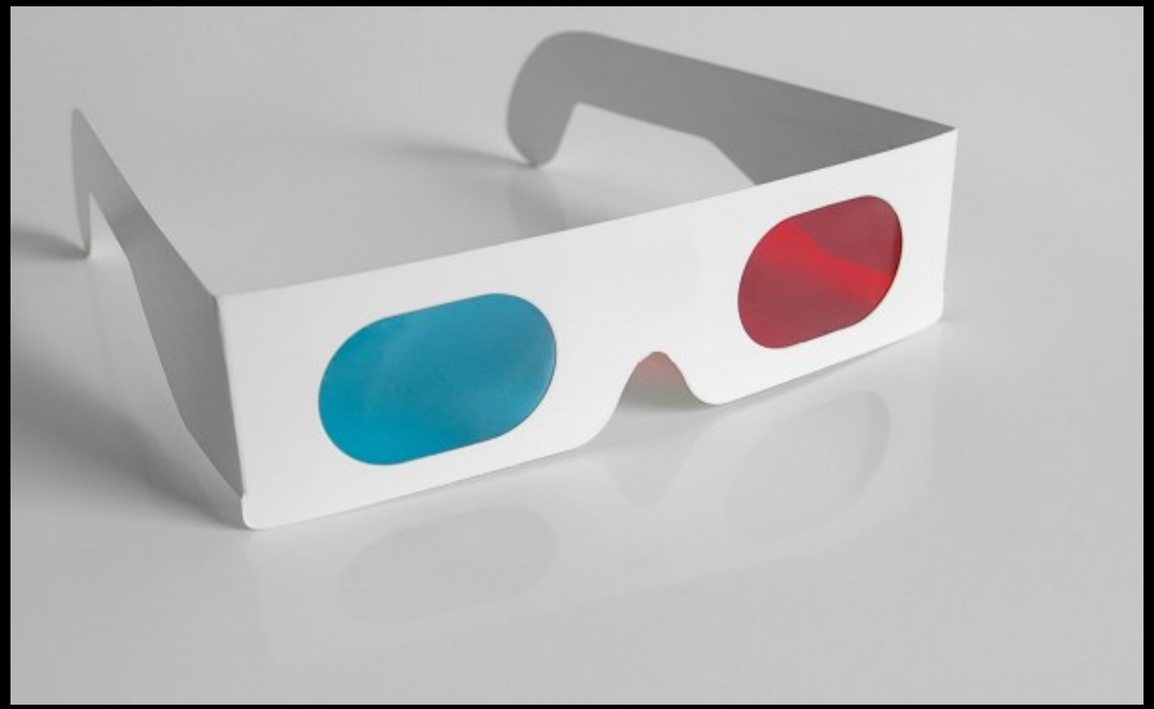
in the browser

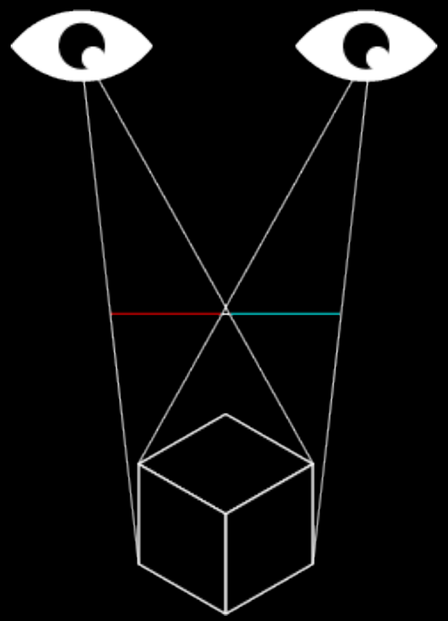


ANIMATED GIF

1. Move the line so that it divides the stereograph in two.
2. Press CORRECT ROTATION.
3. Move the rectangles so that they cover each side of the photo.
4. Press ANIMATE.

ROTATE | photo 1 | photo 2 | photo 3 | photo 4 | photo 5 | photo 6 | photo 7 | photo 8

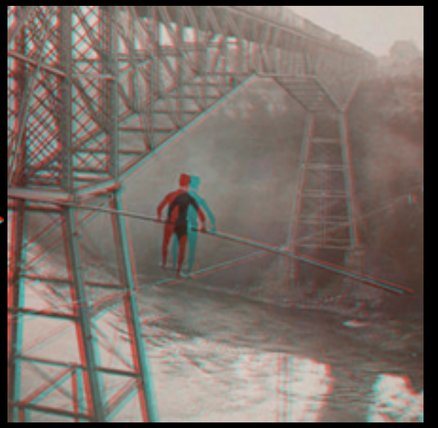


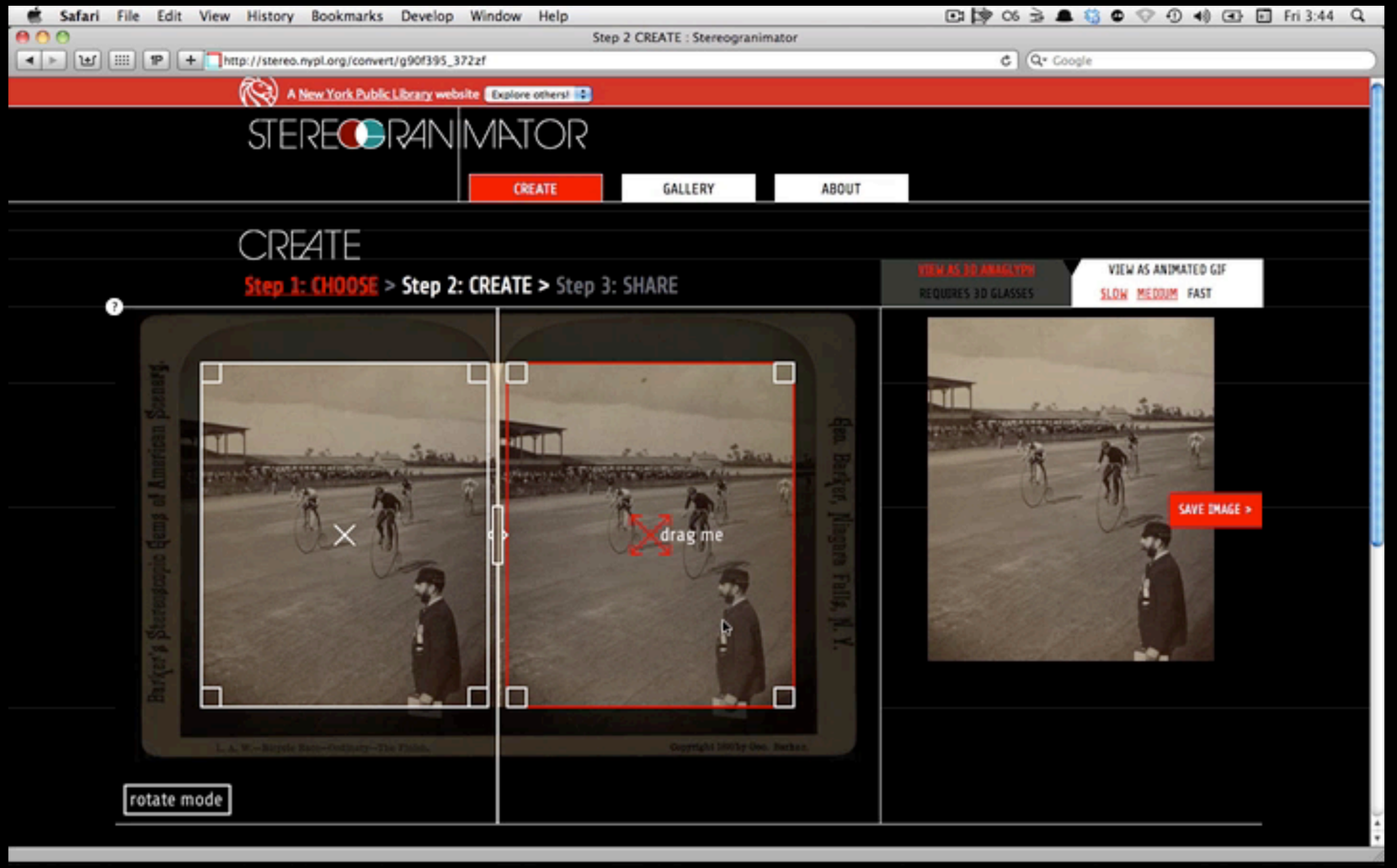


STEREOGRANIMATOR 1900XD

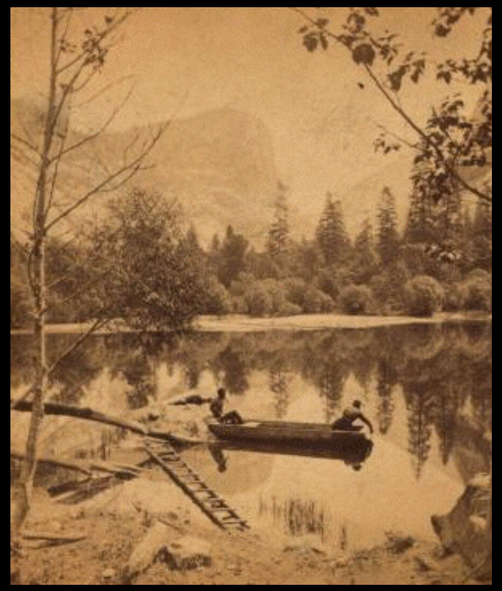
ANIMATED GIF

3D ANAGLYPH





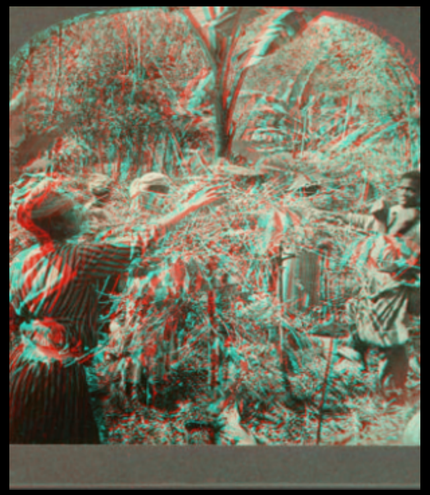
stereo.nypl.org



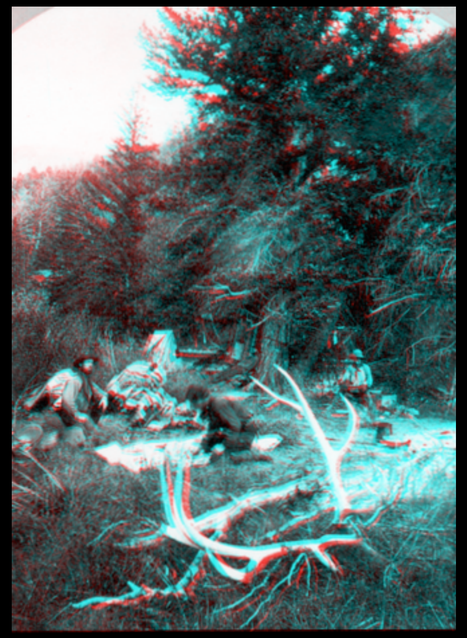
PUT ON YOUR 3D GLASSES NOW

Scenery in Fairmount Park.

34. Coolies, man and woman, Jamaica.



Boston Public Library



U.S. Geological Survey

Boston Public Library

U.S. Geological Survey

thank you!

mauricio giraldo arteaga
@mgiraldo
@nypl_labs