Geographic and News APIs

Jason Clark Head of Digital Access and Web Services Montana State University Libraries

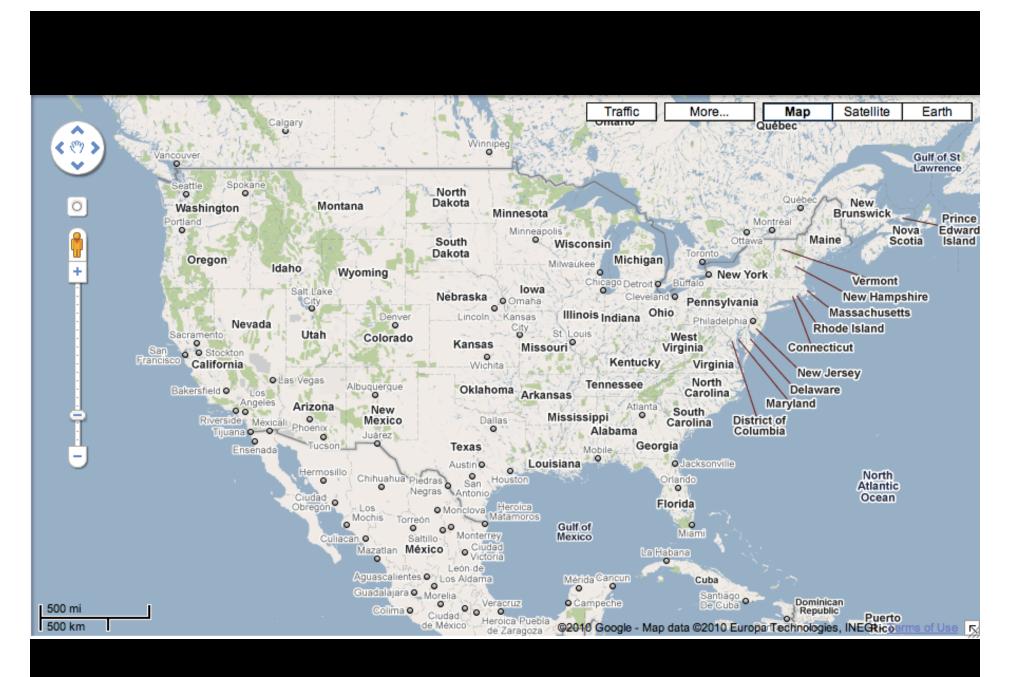
November 16, 2010

pinboard.in #tag

pinboard.in/u:jasonclark/t:lita-class-geonews

Overview

- Does location matter?
- How does news integrate?
- Library Apps and Demos
- Getting Started
- Questions



Look familiar?

"Content is King"

What?

"Context is King"

For Real?

"About half of the queries on Google have a geographic component."

Source: Andrew Foster, product manager at Google http://www.guardian.co.uk/technology/2010/jun/16/google-maps-property-finder

Wildlife Near You.com

Yellowstone Park

General information



Animals you might see

American Badger	American Beaver		American Bison		
American bla	ack bear	Brown Bear	Coyote		

Have	e you been here?
Tell us wh	nich animals you saw.
l saw a	Search

	C. Sie				
\triangle	Ennis Big Sky	Map	Sa	itellite H	Hybrid
Dillon		Cooke City-Silver	Red Lodge	\	-
TI /		Gate			P. Committee
· 🗀 🧹	\——)		212(-	

Average rating

Based on ratings of 1 trip by 1 spotter.



 Have you been here? Why not add your trip?

Have we got our facts right? Suggest changes to our information

Photos



Library Applications

- Mapping Data
- Check-in Services
- Crowdsourcing Geo Information
- Local Interest Apps

Mapping Data

- Montana State University Research Locations
- TAMU Geological Atlas, United States
 - http://repository.tamu.edu/handle/1969.1/2490

Geography becomes a browse point

Location is a metric for interest.

Can libraries apply this?

Local Interest Apps

- NCSU Wolf Walk
- San Jose Public Library
 - Augmented Reality Historical Walking Tours (in development...)

Location-based Learning Opportunities

WolfWalk

Explore NC State history right on your phone

WolfWalk allows you to explore North Carolina State University's campus history on your phone. WolfWalk has information on 90 different sites on campus, with images that trace the site's history, courtesy of the NCSU Libraries Special Collections Research Center. WolfWalk will also show you information about the sites closest to you, depending on the capabilities of your phone.





Send WolfWalk to my phone



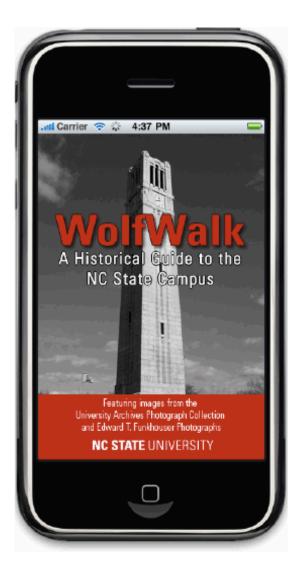
We will not store or share your number. Sending messages is free, but your mobile provider may charge you to receive messages. Please check with your provider for details.

Need support? Have a suggestion for us?

If you have any questions about WolfWalk or have suggestions for us, send a message to wolfwalk@lists.ncsu.edu.

Explore more NC State history

To find out more about NC State's history, visit Historical State. Historical State is the home of our comprehensive catalog of historical images of NC State, and contains all of the images used in WolfWalk. Historical State also features course catalogs, and a near-complete run of the *Agromeck*, NC State's yearbook.



Currency can make relevancy.

How can libraries use news APIs?

Library Applications

- Journal Data Feeds
- Current Events News Services
- Giving Voices to Books
- Bestseller Info

Journal of Computational Physics Journal of Theoretical Biology Physical Review Letters

Physics of Fluids Journal of Mathematical Biology Bulletin of Mathematical Biology Journal of Differential Equations

http://www.lib.montana.edu/toc/appmath/

Bistability in two-locus models with selection, mutation, and recombination

Persistence in fluctuating environments

Genealogy with seasonality, the basic reproduction number, and the influenza pandemic

Effective shear viscosity and dynamics of suspensions of micro-swimmers from small to moderate concentrations

Derivation, identification and validation of a computational model of a novel synthetic regulatory network in yeast

Search NY Times: Movie Reviews API: MSU Libraries

(WORKING CODE AND PROOF OF CONCEPTS)

Demo App

What is this?

View Code

keyword, name, title...

Q

http://api.nytimes.com/svc/movies/v2/reviews/search.json?api-key=fcfe4b493e272eb06faad691e6adb744%3A14%3A61089163&query=big+lebowski

Results of your search for big lebowski (Showing 161 out of a possible 161 matches)

The Big Lebowski

Short summary not available.

Opened on 1998-03-06.

Rated: No rating available.

2. Notorious

Anyone looking for a dispassionate, evenhanded account of the life of Biggie Smalls will be disappointed, perhaps even dismayed, by "Notorious."

Opened on 2009-01-16.

Rated: No rating available.

3. Big Fan

"Big Fan" is a spasmodically funny and bleak story about the love that speaks its name.

Opened on 2009-08-28.

Rated: No rating available.

4. The Big Shot-Caller

"The Big Shot-Caller," a minuscule indie variation of "Saturday Night Fever," moves only in fits and starts.

Opened on 2009-05-15.

Rated: NR

http://www.lib.montana.edu/~jason/files/nytimes-movies/

Demos and Code Samples

- Google Ajax Search API
- Foursquare and Google Maps KML
- Google Maps API Local Libraries (XML)
- Google Streetview Widget
- HTML5 Geolocation
- Journal Table of Contents (Google Feed API)
- Mobile News Feed (Google Feed API)
- New Yorker Fiction Podcast Mashup
- NY Times Bestsellers List
- BooksNStuffNearby

Geolocation (options)

- w3c Geolocation API
 - accurate
 - supported in Firefox 3.6, Safari 4
 - Javascript functionality
- Yahoo Query Language Location Tables
 - Web Services, REST API
 - Server-side and/or Client-side scripting

These are just two of the options...

Getting Started

- Choose data with location interest
- Record latitude/longitude
- "Reverse Geocode" to get text values
 - http://code.google.com/apis/maps/documentation/geocoding/#ReverseGeocoding
- Find current or timely data
- Present in context

BooksnStuffNearby

A Beta App

http://www.google.com/search?q=jason+clark+code

YQL Location Tables API, Worldcat Search API, OpenLibrary API

Building blocks for a service

Questions?

twitter.com/jaclark jaclark@montana.edu www.lib.montana.edu/~jason/files.php