

Spring Report

spatial
analysis
smith college **lab**



2010

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Image of upcoming Mystery Map Game

Initiatives

- [“Mapping Paris” A Digital Humanities Project at Smith College](#), with H  l  ne Visentin, Department of French Studies. January 2010 – present.

The project “aims to create and construct an interactive, web-based platform of the city of Paris by using a hypermedia environment with the Geographic Information Sciences (GIS) technology in order to explore and study the historical layers of Paris and foster critical thinking skills through the combination of time and space.”

- Planning Committee for the 6th annual spring [NEARC](#) conference at Smith, scheduled for Tuesday, May 11th 2010 in the Campus Center.
- Applied and participated in the [Institute for Enabling Geospatial Scholarship](#) at the University of Virginia, November 15-18, 2009.
- Attended [“New Technologies and Interdisciplinary Research on Religion”](#) at Harvard Center for Geographic Analysis, March 12 – 13, 2010. Plan to summarize and present findings with Andy Anderson, Amherst College.
- Developed collaborative database mapping system with Google Fusion Tables for Peter Gregory and Jamie Hubbard.
- Continue beta-testing for ESRI’s ArcGIS 9.4 software.
- Continue prototyping a Spatial History of Smith Campus

News of Interest

- Working with Town Northampton DPW to host their “drainage” map our Interactive Mapping Server (ArcGIS Server)
- Collaborating with a California software developer to articulate how spatial data discovery tools can be used in Higher Education (VoyagerGIS)
- Food Bank of Western Massachusetts Mapping (see Service)
- [Oklahoma Historical Society Museum](#) Exhibit to use [SAL maps](#) animating progression of US settlement from 1790 – 2000.
- [Mystery Map series](#) evolving to become Mystery Map Games. Over [120 people](#) played the last game. Next game involves mapping locations indentified in the 1933 film titled “A FRESHMAN COMES TO SMITH”. Map viewers must guess these locations within a certain amount of time based on clues provided.

Usage / Classes

Class Name	Course Code	Students	Primary Use
Biodiversity, Ecology, and Conservation Lab	BIO155	10	GPS
The Environment (3 sections)	GEO109	25	GIS
Discovering Mathematics: Math as Art*	MTH105	12	Presentation
Geomorphology	GEO251	17	GIS/GPS
Vertebrate Biology Lab	BIO273		GIS
Seminar: Topics in Anthropology: Prehistory of Food	ANT347	10	Google Earth

*Also listed as "Discovering Mathematics: Doughnuts, Coffee Cups and the Shape of the Universe"

Support and Service

- [Mapping for the Food Bank](#) of Western Massachusetts. A series of seven (7) maps depict themes such as vulnerable populations, food security, and community nutrition for the Northern Berkshires, Franklin, Hampshire, Hampden Counties, and the Mason Square area of Springfield.
- Continue working on Northampton Trails mapping (with Nick Horton and students)
- Working with the Office of Educational Outreach to map 20 years of participants from the Summer Science program.

Faculty / Staff / Student Support

- Bob Burger
- Jamie Hubbard
- Elaine Chittenden
- Cheryl Obremski
- Jesse Bellemare
- Paul Newlin
- Cat McCune
- Helene Visentin
- Amy Rhodes
- Carla Cooke
- Elliot Fratkin
- Bosiljka Glumac
- Peter Gregory
- Sue Froehlich

Outreach

- Presented an ES&P Lunch bag: "[Learning the Geographic Advantage](#)", September 29th 2009.
- Class visits: Religion 266: Buddhism in America and Math 105: Discovering Mathematics: Doughnuts, Coffee Cups and the Shape of the Universe
- Spring NEARC – May 11 2010 in the Campus Center

General Support

- Poster printing
- System Administration
- Programming / Scripts
- Mapping/Cartography Projects

Ongoing Program Support and Development

- Continued support for Botanic Garden tree and plant mapping
- Continued support for mapping Buddhism in the Pioneer Valley

Programmatic

- Web Page Update and Maintenance
- System Administration (new Domain Server, Summer 2009)
- Valley GIS Meetings
- Five College GIS Meetings
- SAL Blog; Screencasts; podcasts

Student Assistants

- Ellie Glasser '10
- Sarah Mottie '10
- Anna Cressotti '10

Software & Data

- Enabled license for [Premium Map Service: Bing Maps](#)
- Acquired ESRI ArcPad 8.0

This premium map offers worldwide orthographic aerial and satellite imagery. Coverage varies by region, with the most detailed coverage in the USA and United Kingdom.



1933 movie used for current mystery game map