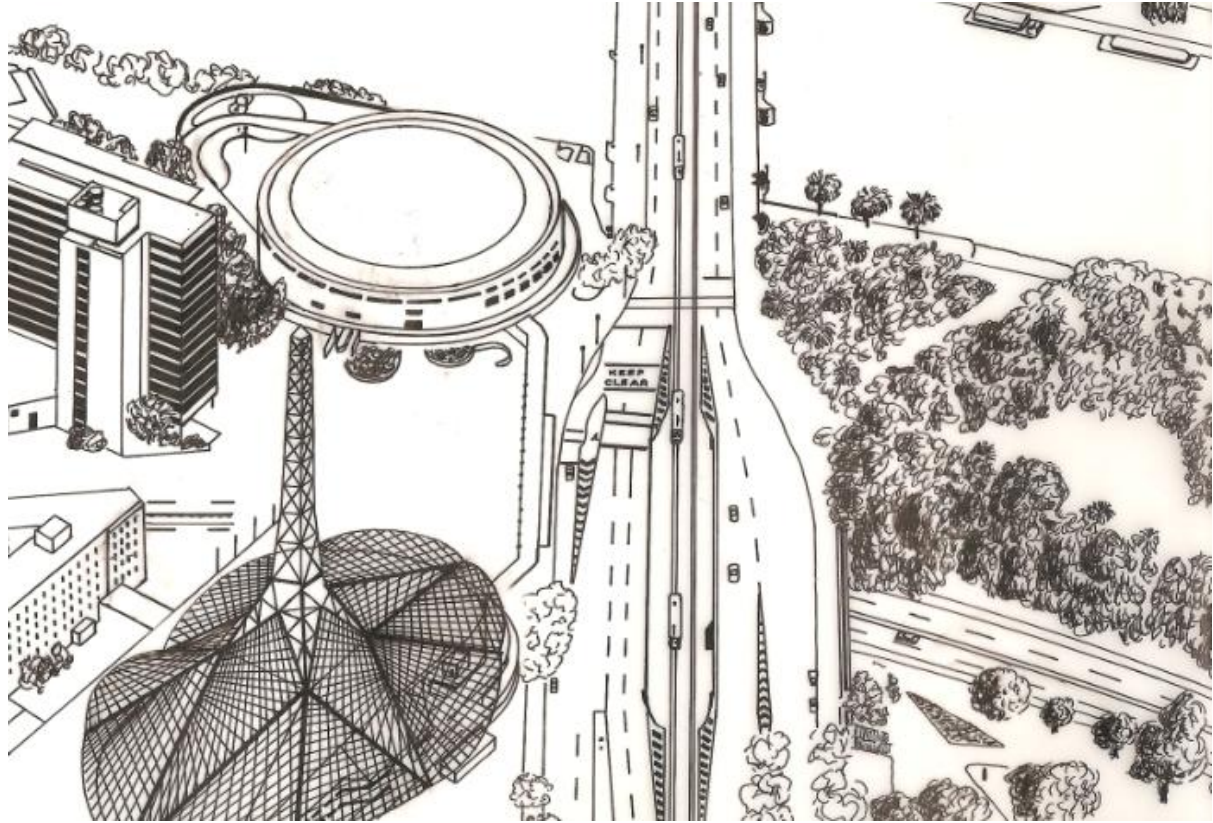




International Cartographic Association
Association Cartographique Internationale



CARTOGRAPHY

February 2013

A monthly on-line periodical designed to capture the latest cartographic news and developments from around the world.

Compiled by [David Fraser](#)

Content

Quotes.....	2
Cartography on a Grand Scale.....	2
Mapping In the News.....	3
Plane Spotters.....	15
Cartography Links	18
Mobile Map Use Analysis	20
The Business and Politics of Cartography.....	20
Applications.....	26
Books	34
Geographical Visualization.....	35
Cartography - Lite.....	36
Conferences.....	40

Quotes

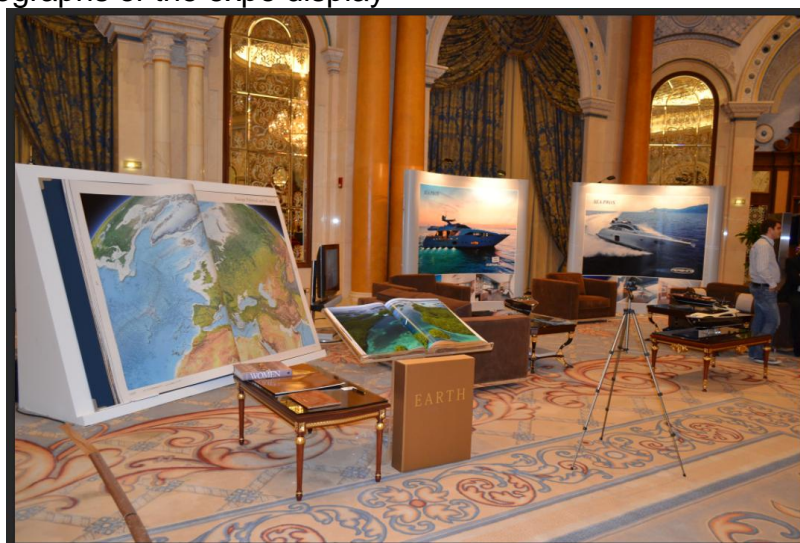
“To put a city in a book, to put the world on one sheet of paper -- maps are the most condensed humanized spaces of all... They make the landscape fit indoors, make us masters of sights we can't see and spaces we can't cover.”

— Robert Harbison, *Eccentric Spaces* , <http://www.goodreads.com/quotes/tag/maps>

Cartography on a Grand Scale

Gordon Cheers, Managing Director, Millennium House has just returned from the world luxury expo in Saudi Arabia where he promoted and sold the EARTH Atlas.

Below:- photographs of the expo display





Extract from the Arab Weeks magazine:

[Australian Publishing House Creates World Record](#)

February 12th 2013 | Posted by [admin](#)

The largest atlas in history has been published by Australian publishing company, Millennium House. The atlas, Earth Platinum, is leather-bound, weighs 200 kilograms, and measures 6ft x 9ft (1.8m x 2.7m). Only 31 copies of the atlas exist, making each one as rare as it is valuable.

Read more at:

<http://arabweeks.net/en/?p=163>

Mapping In the News

Mapping with Kites in the Age of Drones

by [Mathew Lippincott](#) (Bio), January 28, 2013

This post compares technologies for aerial photography, but it is also about how tool choices can embed values, including transparency, openness, and accessibility, into the growing popular culture of mapping.

Most map imagery is collected by airplane or satellite and processed by GIS (geographic information system) professionals for planners, environmental scientists, archaeologists, and other end users. However, recent advances in digital cameras have boosted the power of kites, balloons, poles, R/C planes and drones to acquire high-quality images, enabling both traditional end users and attracting new mapmakers.



Read more at:

<http://www.pbs.org/idealab/2013/01/mapping-with-kites-in-the-age-of-drones024.html>

How the Geolocation Revolution Has Evolved

by [J.D. Lasica \(Bio\)](#), January 29, 2013

For years, entrepreneurs, tech observers and journalists have known two things about the geolocation space: It holds an enormous amount of promise, and it's taking an awfully long time to get there.

Read more at:

<http://www.pbs.org/idealab/2013/01/how-the-geolocation-revolution-has-evolved028.html>

OS MapFinder app launched – with maps updated for life

Monday, January 28th 2013

[Ordnance Survey](#) | Southampton, UK

Ordnance Survey's first official mapping app is proving popular with nearly 40,000 downloads in the first two weeks. The app includes free overview mapping with the option of purchasing more detailed 1:25 000 and 1:50 000 scale mapping in small easily accessible 100km² tiles. For the first time, mapping will be updated for free for the lifetime of the app, meaning users will always be able to access the most up-to-date mapping on their mobile devices.

Since its launch on 10 January 2013, almost 12,000 100km² tiles have been downloaded with the most popular tiles being of London, the Peak District and Lake District. Tiles of OS Explorer mapping at 1:25 000 scale have proved more popular with six out of the top ten maps downloaded - the scale which is ideal for walking and exploring as it shows pathways, bridleways and other public rights of way. [See:

Read more at:

<http://www.osmapfinder.co.uk/>

<http://www.directionsmag.com/pressreleases/os-mapfinder-app-launched-with-maps-updated-for-life/306305>

Video Mapping Bike Paths of the World: See What a Ride Looks Like from Handle Bar POV

By [Alex Goldmark](#) | 01/25/2013 – 5:32 pm



A Cyclodeo view of Eindhoven, Netherlands

[Cyclodeo](#) is a bike-focused mapping website that pairs videos of bike lanes with Google maps.

The screen grab above shows the [view for the small city of Eindhoven in southern Netherlands](#). A smattering of bike path still photos are strewn about the map of the city. Click on one of the tiles to see what it is like — from the perspective of a cyclist — to ride in a number of the city's calm, well-paved bike paths.

Read more at:

<http://transportationnation.org/2013/01/25/video-mapping-bike-paths-of-the-world-see-what-a-ride-looks-like-from-handle-bar-pov/>

Google mapping drives global economic growth

2013-01-31 17:14

KUALA LUMPUR, Jan 31 (Bernama) –

Mapping creates jobs and drives global economic growth, according to global technology leader Google.

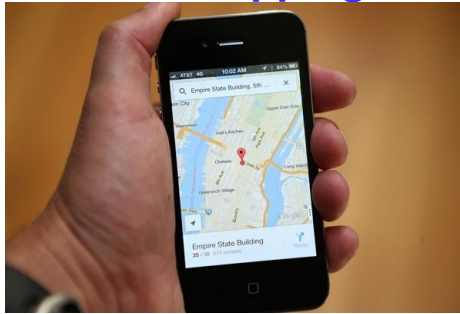
In a statement here today, Google said, "Maps are an integral part of how we live and do business.

"That's why it's important for all of us to invest in the geo services industry to ensure it continues as an economic driver in our global economy."

Read more at:

<http://www.mysinchew.com/node/82545>

Google asks: How much is mapping worth?



Justin Sullivan/GETTY IMAGES - FAIRFAX, CA - DECEMBER 13: The Google Maps app is seen on an Apple iPhone 4S on December 13, 2012 in Fairfax, California.

By [Hayley Tsukayama](#), Thursday, January 31, 8:08 AM

How much has mapping software changed your life?

The anecdotal impact is easy to assess. Look no further than the uproar Apple faced after it switched the [iPhone's default mapping program](#) from Google Maps to its own much criticized service.

Or consider the glove compartment. Twenty years ago, that catch-all space under the dashboard was home to road maps, TripTiks and — probably — a magnifying glass. Today, you're more likely to find a smartphone charger.

But when it comes to fixing an actual value — on the online mapping industry and on the service it provides — it gets much trickier.

Read more at:

http://www.washingtonpost.com/business/technology/google-asks-how-much-is-mapping-worth/2013/01/30/c40ed040-6b13-11e2-95b3-272d604a10a3_story.html

Neglected tropical diseases: mapping occurrence and tracking control

Mobile and mapping technologies can play a key role in controlling NTDs, but more effort is required to put them into the hands of frontline workers

Simon Brooker

[Guardian Professional](#), Wednesday 30 January 2013 17:34 GMT



GPS-enabled smart phones, satnavs and Google maps provide a wealth of data on geographical locations and the things we are interested in. Such geographical richness is not readily available to programmes that tackle neglected tropical diseases (NTDs) – a group of chronic and disabling diseases that mainly occur in the tropics.

Read more at:

<http://www.guardian.co.uk/global-development-professionals-network/2013/jan/30/tropical-diseases-ntds-control>

RELEASE: New Mapping Tool Provides Unprecedented Ability to Assess Water Risk

January 30, 2013

Location: WASHINGTON, D.C.

The [World Resources Institute](#) (WRI) today launched a new online tool that maps water risk worldwide based on the most current, highest resolution data available. Companies, investors, and governments can use the [Aqueduct Water Risk Atlas](#) to see how water stress will affect operations locally and globally, and help prioritize investments that will increase water security.



Read more at:

<http://www.wri.org/press/2013/01/release-new-mapping-tool-provides-unprecedented-ability-assess-water-risk>

'Extrasolar cartography' technique could provide rough pictures of alien worlds.

Jan 29 2013 - 2:00pm

By: Ker Than, ISNS Contributor

Astronomers could one day create rough maps of far-away planets using information taken from starlight reflection, determining the balance of oceans, lands and overhanging clouds.



This EPOXI mission image shows what an Earth-like exoplanet might look like from afar.

Image credit:

NASA/JPL-Caltech/UMD/GSFC

Rights information:

<http://bit.ly/WvF3M4> | <http://bit.ly/VnoOzd>

The software can take a point of reflected starlight from an exoplanet to tease apart the unique signals required to form a rough map.

Read more at:

<http://www.insidescience.org/content/mapping-distant-planet-surfaces-possible/922>

Treasured maps

February 6, 2013
James Cockington



Golden age of mapmaking ... Louis Kissajukian's latest catalogue includes Merian's World Map With Terra Australis Incognita (1646).

In a world of Google and GPS, it's interesting that the significance of antique maps, the ones actually printed on paper, appears to be increasing.

The maps of greatest value to collectors are those charting the development of the modern world.

On the earlier maps, the existence of some Great Southern Land yet to be discovered is guessed at, usually fancifully.

Read more: <http://www.theage.com.au/money/investing/treasured-maps-20130205-2dvqc.html#ixzz2KBznAjZE>

Mapping the Almost-Real City

[Eric Jaffe](#)

Jan 29, 2013



History is filled with city plans that, for one reason or another, never became anything more. Some of them find their way into [archives or museums](#). Some of them still await funding or completion or destruction in a sort of civic purgatory. And some of them are revived, at least in a digital sense, by hobbyist mapmaker Andrew Lynch.

The 28-year-old Lynch posts an eclectic array of urban design work at his website, [Vanshnookenraggen](#). (The name is a nonsense word he made up in high school and used because he figured — correctly, obviously — that the domain would be available.) His creations over the years include a Google Map rendering that depicts the unbuilt Lower Manhattan Expressway and a hypothetical subway map of Boston.

Read more at:

<http://www.theatlanticcities.com/arts-and-lifestyle/2013/01/mapping-almost-real-city/4520/>

Handheld laser puts CSIRO on the map (revisited)

by: *Chris Griffith*
From: *The Australian*
January 29, 2013 12:00AM



THE CSIRO has released 3D images of NSW's Jenolan Caves that showcase what it says is the world's first truly mobile, handheld, rapid laser-mapping system.

A spinning mirror beams laser light around, and by waving the device an operator can quickly build a 3D model.

The CSIRO has produced a 3D model of the Chifley Cave at Jenolan, and has used a 3D printer to create a scale model of its structure.

Read more at:

<http://www.theaustralian.com.au/australian-it/government/handheld-laser-puts-csiro-on-the-map/story-fn4htb9o-1226563724567>

3D Laser Mapping's StreetMapper Proves FIT for France

Written by 3D Laser Mapping
Monday, 28 January 2013

Nottingham, UK, 28 January 2013 – FIT ESIC and FIT CONSEIL, leading players in the French geographic information market, have purchased a StreetMapper mobile mapping system. Following extensive market research and system trials the companies, with divisions specialising in surveying and engineering, selected the StreetMapper system for its accuracy, reliability and flexibility



About StreetMapper

StreetMapper has been developed by UK based 3D Laser Mapping in conjunction with German based guidance and navigation specialist IGI mbH. The system employs the latest laser scanning technology for improved field performance and accuracy, precision navigation including a solution for reduced GPS coverage in urban areas, combined with a flexible, modular configuration and increased ease of use and deployment. For further information see www.streetmapper.com

Read more at:

<http://www.amerisurv.com/content/view/10950/>

Google Maps competitor OpenStreetMap targets the future of mapping

[GIS News](#) - [Open Source](#), [OpenGov](#) and [Open geo](#)

Written by skobbler / OSM

28 January 2013

Berlin, Germany, 28th January 2013: January 2013 saw the [OpenStreetMap](#) community record over one million members, a figure which has doubled approximately every 14 months since 2005 and is testament to its burgeoning popularity. OSM's success is largely down to its participatory nature and wide community of users, who create and maintain maps at their leisure in areas they know best, leading to it being dubbed the "Wikipedia" of maps. In just a few years, a once small-knit community has expanded to help develop the world's largest "crowd sourced" map, providing superb levels of detail and accuracy not possible with conventional alternatives. Today, OSM has already become the most detailed digital map available in several countries (e.g. England, Germany) and its ever-increasing user base looks set to broaden this status around the world.

Read more at:

<http://www.gisuser.com/content/view/28909/2/>

Digital mapping: helping business find its way

Author: Kentse Radebel
23 January 2013 12:57

It's doing more for business than just finding locations; 41% of surveyed companies use it.

JOHANNESBURG - Digital mapping- the process where a collection of data is compiled and formatted into a virtual image- is playing an increasingly strategic role for businesses in South Africa. At least 400 small businesses and 112 corporations indicated that in 2013 they would be increasing their digital mapping budget spend by 66% and 70% respectively.

Read more at:

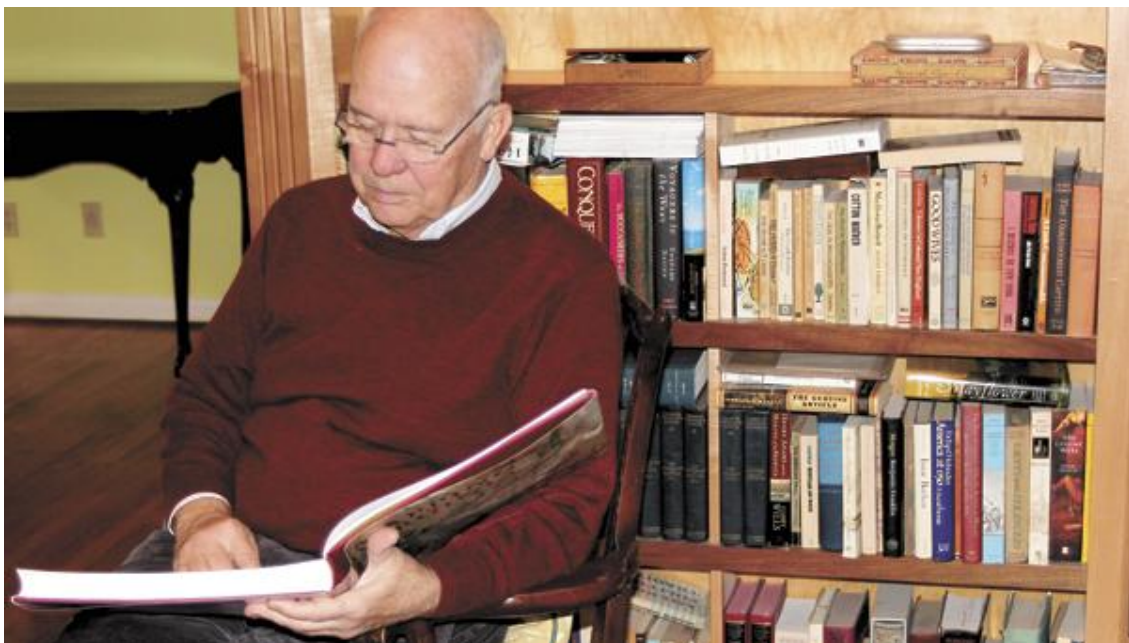
<http://www.moneyweb.co.za/moneyweb-technology-news/digital-mapping-helping-business-find-its-way>

Mapping the Old Dominion

Published 5:05pm Thursday, January 24, 2013

John Bachmann supported his family as a traveling mapmaker, starting out in his native Switzerland, transplanting to Paris, then bringing his trade to America in about 1847.

The talented lithographer created various maps on U.S. soil — of Boston, New York, Philadelphia, New Orleans. They were part of a long-running series, “Bird’s Eye View.” Suffolk appears on an 1862 Bachmann map titled “Panorama of the Seat of War,” which North Suffolk’s William C. Wooldridge says would have been produced to meet an increasing demand for such easy-to-read pictorial maps sparked by the Civil War.



William C. Wooldridge of Bennett's Creek reclines in his home library with a book he has compiled on the largest private collection of Virginia maps, which he assembled during the course of about 40 years.

Read more at:

<http://www.suffolknewsherald.com/2013/01/24/mapping-the-old-dominion/>

New B.C. telescope to make massive 3D map of universe

CHIME radio telescope to look 11 billion years into past
The Canadian Press
Posted: Jan 25, 2013 9:18 AM ET
Last Updated: Jan 28, 2013 8:28

A Canadian telescope bigger than six NHL hockey rinks is expected to help scientists understand the expansion of the universe and the role of mysterious dark energy. Out of Range

Read more at:

<http://www.cbc.ca/news/technology/story/2013/01/25/tech-bc-radio-telescope-chime.html>

Earth Science Week 2013 theme announced: "Mapping Our World"

Alexandria, VA -- The American Geosciences Institute (AGI) is pleased to announce that the theme of Earth Science Week 2013 will be "Mapping Our World." This year's event will promote awareness of the many exciting uses of maps and mapping technologies in the geosciences.

Read more at:

http://www.eurekalert.org/pub_releases/2013-01/agi-esw011513.php

Best New Mashups: Mapping Mashups using Google Maps, Facebook and Twitter

Wendell Santos, January 18th, 2013

Over one-third of our mashup directory is made up of [mapping mashups](#) and their popularity shows no signs of slowing down. We have taken [two looks](#) at [mapping mashups in the past](#). With it being a year since our last review, now is a good time to look at the newest mashups taking advantage of mapping APIs. Read below for more information on each.

[Mapify.us](#) – Mapify answers the question “What’s Happening Nearby?” by showing local events as points on a map. APIs used include: [Meetup](#), [GoogleMaps](#), [FacebookGraph](#), [Facebook](#), [Eventbrite](#), [Upcoming](#). More at our [Mapify.us profile](#).

[EveryDayOffers](#) -Deals, discounts and offers worldwide, shown on a map. APIs used include: [GoogleMaps](#). More at our [EveryDayOffers profile](#).

[DishPointer](#) – This application helps users visualize satellite dish positioning using Google Maps. APIs used include: [GoogleMaps](#). More at our [DishPointer profile](#).

[Musomap](#) – Plot yourself and collaborate. Find a teacher, start a group, promote your music, share a gig or trade gear locally. APIs used include: [Twitter](#), [Pinterest](#), [LinkedIn](#), [JSONTools](#), [GooglePlus](#), [GoogleMaps](#), [GoogleAnalytics](#), [geocoder](#), [Facebook](#). More at our [Musomap profile](#).

Read more at: <http://blog.programmableweb.com/2013/01/18/best-new-mashups-mapping-mashups-using-google-maps-facebook-and-twitter/>

Norwegian Sea can hold 100 years of Norway's CO2 emissions: NPD

OSLO | Fri Jan 25, 2013 6:27am EST

(Reuters) - [Norway](#) could store 100 times its annual emissions of carbon dioxide under the Norwegian Sea to help fight climate change, adding to its even bigger potential under the North Sea, an official report showed on Friday.

The findings are most relevant for [natural gas](#) finds such as the Sleipner field in the North Sea, where the gas contains high levels of carbon dioxide.

[Norway](#) has imposed taxes on carbon emissions since 1991 as part of efforts to limit climate change.

An atlas by the Norwegian Petroleum Directorate (NPD) showed that geological formations could store 5.5 billion metric tons (6.06 billion tons) of carbon dioxide beneath the Norwegian Sea, against current annual Norwegian emissions of about 50 million metric tons.

Read more at:

<http://www.reuters.com/article/2013/01/25/us-climate-norway-idUSBRE90O0GG20130125>

Aerial mapping of Tonga to check sea level rise

Updated 22 February 2013, 9:28 AEST

A project to map the topography of Tonga, Vanuatu, Papua New Guinea and Samoa to monitor sea level rise has begun.

Using laser equipment, a 3D map of the islands is created showing ground elevation, vegetation, canopy height and building placement.

The second aspect to the project is training locals in how to monitor the changes in sea level.

Read more at:

<http://www.radioaustralia.net.au/international/radio/program/pacific-beat/aerial-mapping-of-tonga-to-check-sea-level-rise/1092160>

Plane Spotters

FlightRadar24

Want to watch the journey to London of the plane your relatives are in? This site tracks all planes in real time or with a 5 minute delay. Seriously!



Or you may just enjoy zooming in to the wonderful backdrop map.



<http://www.flightradar24.com/>

PocketFMS®. Empowering pilots since 2003.



I have included this item since an ex-colleague, Dr. Ron Grenfell, is involved in its development and has planned a light plane trip to the Bedourie camel races using this software. (See chart below)

PocketFMS will help you in all stages of the flight: before, during and after.
Here's how:

- 1** Flight Planning becomes a breeze: Weather information from the internet is automatically used, easy drag-and-drop planning makes 'What-If' planning peanuts. Just tell PocketFMS your departure and destination and which aircraft you're using: PocketFMS will do the rest, including Weight & Balance, Performance and Fuel Consumption computations. Do you want to avoid all airspace classes A, B and C? Military airspace? Low cloud base? Terrain over 6000'? PocketFMS will route you around at the press of a button. Oh, and don't worry about the paperwork - PocketFMS takes care of that too. NavLogs, ATC Flight Plans, airspace reports - it's all there, or you can add your own! Before taking the trip you might even want to preview it in [Google Earth](#) first!
- 2** More time to enjoy your flight makes for a safer ride: PocketFMS clearly shows where you are and where you should be with its highly customizable Moving Map displays that hold all major (and a lot not so major) VFR landmarks. No fumbling with large paper maps and trying to read tiny printed upside down texts in hazy colors - our Smart Declutter makes sure you see what you need to see. In flight you'll receive Obstacle & Airspace warnings well ahead, radio frequencies when necessary. Diverting is a matter of a few clicks, high terrain in your vicinity can be colored red on the Moving Maps based on your height over it - all you need to do is relax and monitor your trip!
- 3** No job is finished until the paperwork is done: With PocketFMS you can review the flight you have just made by displaying it back on the Moving Maps - or again with Google Earth. You can print it together with the background

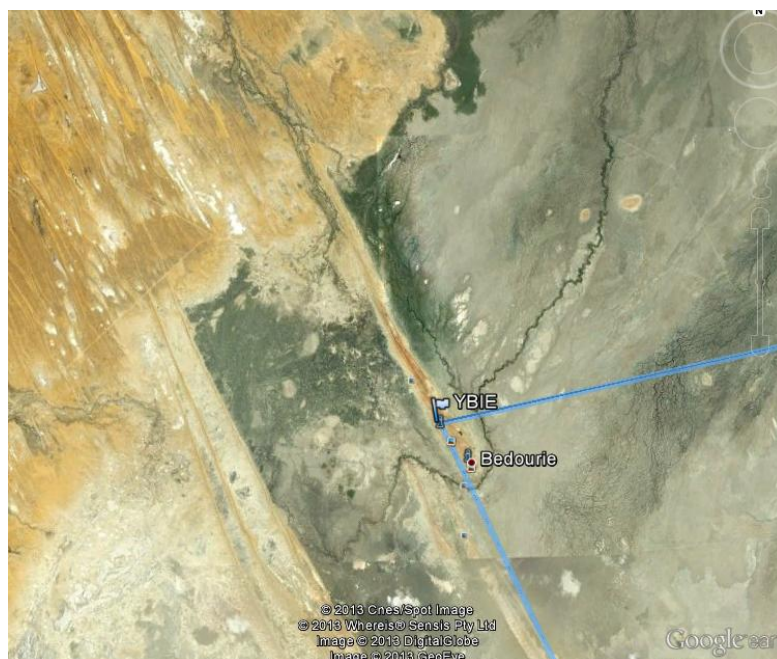
map as a reminder for passengers, or as proof of your good (or bad!) conduct near that CTR. PocketFMS also keeps your flight times and positions logged, so you can easily fill in your logbook later on.

Read more at:

<http://www.pocketfms.com/1-Software.asp>



Bedourie camel races flight plan (above) and enlargement (below).



Boys and their toys

[The Age](#)
[5/2/2013](#)

Boys and their toys: It's a tiny spy drone, issued to British soldiers in Afghanistan to give them a bird's-eye view of the battlefield below. It's called Black Hornet Nero, flies like a tiny helicopter, has a range of just under a kilometre and weighs just 15 grams.

Industry insiders see these gadgets eventually being capable of flying through open windows to spy on people, leaving them none the wiser.

More here: <http://ow.ly/hqb7C>



Photo: AP

Read more at:

<https://plus.google.com/+theage/posts/E7GX2JSyWG6>

Cartography Links

Links from Geonext

For example --

- A [Brazilian](#) news magazine turned census numbers about the nation's projected population into a map-focused page that gives insight and understanding of complex data.
- A [Dutch](#) information designer used small multiples —421 maps of a single place— to reveal layers of social, physical, and symbolic geographies.
- Mountain bikers in the [UK](#) combined old and new in the form of a silk map that is crowd-funded, uses open source data and will stand up to rain and mud on outdoor excursions.
- [A U.S.](#) design and technology studio created a new web basemap that's available free of charge, covers any place in the world mapped with OpenStreetMap, and is beautiful enough to print.

- A [French](#) artist deconstructed the building blocks of a map to examine the cartographic language of the city.
- An [Australian](#) geospatial consultant published a recreation map that is detailed enough for high-resolution printing and information-rich enough for smart-phone apps.
- And [U.S.](#) Cartographers showed that typography is all you need.
More details, please go to www.geonext.com.au/map-gallery

Come to GeoNext to learn about the future of geospatial technologies and see some beautiful examples of the state of cartography.

18th-Century Astronomer's Legacy Visible in Southern Night Sky

by Joe Rao, SPACE.com Skywatching Columnist
Date: 22 February 2013 Time: 02:19 PM ET

For every great name in astronomy — people like Johannes Kepler, Galileo Galilei, Isaac Newton and Nicolaus Copernicus — there are others who are not so well known, but who still managed to leave their mark. One of these did so by mapping out star patterns in the sky still recognized today, hundreds of years later.



Read more at:

<http://www.space.com/19919-southern-night-sky-constellations-lacaille.html>

Mobile Map Use Analysis

ALL MOBILE USE IS LOCAL

Share of mobile use by activity.§

ACTIVITY	SHARE
Sent text message	75.6%
Took photos	63.5
Accessed news/information	55.2
Sent photo taken to a phone/e-mail	49.9
Used e-mail	44.6
Accessed weather	39.7
Accessed social networking site	37.9
Accessed search	35.4
Played games	33.8
Accessed maps/Read posts (tie)	30.5

When Apple introduced the iPhone 5 in September minus Google maps and YouTube, and apologized within days for flaws in its mapping program, above, it was big news.

While using a map ranks low in mobile usage, mapping and GPS are central in enabling other things that generate revenue. With them, companies can offer social networking enhancements like the ability to track friends or check in, but also location-based ads tied to a user's whereabouts and search interests: such ads can offer a discount at a local shoe store or a review of a nearby restaurant.

SHELLY FREIERMAN

Read more at:

<http://www.nytimes.com/interactive/2012/10/01/business/media/01most.html?ref=maps>

The Business and Politics of Cartography

Bringing New and Open Mapping Technologies Into the Government

by [Bonnie Bogle \(Bio\)](#), February 22, 2013

Next week [200-plus people will meet](#) in Washington, D.C., to talk about the latest geospatial technologies and how to break down barriers to get new -- and open-source -- tools into the government. The government is not usually known for being

on the cutting edge of technology, though efforts are improving, and this is particularly true in geo where bulky proprietary tools have long been the only technology option.

But the world of mapping, cartography, and GIS has drastically changed in recent years, with the proliferation of smartphones, mapping apps, and new tools like [TileMill](#), the open-source cartography studio that we've [written about here before](#). New technologies are bringing new efficiencies and making mapping and large-scale geodata analysis a possibility to a much larger crowd.

Read more at:

<http://www.pbs.org/idealab/2013/02/bringing-new-and-open-mapping-technologies-into-the-government052.html>

Google commissioned two studies on the economic, business and cultural benefits of the digital mapping industry, which is core to Google's mission.

Google officials want the world to know how much of an impact the digital mapping industry is making on helping businesses become more efficient and how the technology is assisting global economies to grow.

To do that, Google commissioned research studies from the [Boston Consulting Group](#) (BCG) and [Oxera](#) to put those contributions into perspective.

"Twenty years ago, we used paper maps and printed guides to help us navigate the world," Brian McClendon, vice president of Google Geo, wrote in a Jan. 30 post on the Google Maps Blog. "Today, the most [advanced digital mapping technologies](#)—satellite imagery, GPS devices, location data and of course Google Maps—are much more accessible."

Mapping technology is undergoing a "sea change" that improves lives and makes businesses more efficient, according to McClendon.

Read more at:

<http://www.eweek.com/cloud/google-touts-digital-mapping-in-helping-businesses-economies/>

The Pyongyang's All Here

*By ADAM JOHNSON
Published: February 9, 2013*

Google has now mapped the surface of Mars and the bottom of the ocean. So what's left, a person has to wonder — what remains uncharted?

The answer used to be [North Korea](#). But Google recently [released](#) its cartographic impression of the Hermit Kingdom, and as usual, it comes with all the Googley goodies: just move your cursor across Kim Il-sung Square, and you'll be met with

site labels, embedded photographs, Wikipedia entries, directions, ratings and reviews.

While researching a [book](#) on North Korea, I spent several years trying to find maps of its major cities. Military, topographical, agricultural — I would have taken a sketch on the back of a napkin. But maps of any kind were nearly impossible to come by.

Read more at:

http://www.nytimes.com/2013/02/10/opinion/sunday/north-koreas-blue-highways-google-style.html?ref=maps&_r=0

Surprising growth for digital mapping in SA

By [Staff Writer](#) | 22 January 2013



A new survey out on Tuesday (22 January), highlights the growth of digital mapping as a business tool among South African corporates and SMEs. According to the survey, 76% of South African corporations and 38% of small and medium enterprises (SMEs) spend more than 2% of their information technology (IT) budgets on mapping services.

Read more at:

<http://businesstech.co.za/news/it-services/30326/surprising-growth-for-digital-mapping-in-sa/>

Israel, Palestine and the mapping of power

[Tristram Hunt](#)
[The Guardian](#), Monday 4 February 2013

In portraying politics rather than geography, Ramallah and Jerusalem are displaying instincts as ancient as Ptolemy



John Colomb's 1886 map, Imperial Federation, which placed Britain centre stage and colours its colonies a distinctive red.

'It's almost comical. The idea of maps is to represent reality; here it represents fantasy.' So [Professor Bruce Wexler](#) of Yale University [comments](#) on how the vast majority of maps in Palestinian and Israeli schoolbooks omit the existence of the other entity. As a result, children on either side of the [Green Line](#) are growing up with "an internal representation of their homeland, in which one does not include the other".

Read more at:

<http://www.guardian.co.uk/commentisfree/2013/feb/04/israel-palestine-power-maps-ptolemy>

A New Target for Google Maps: The Streets of North Korea

By [CHOE SANG-HUN](#) and [CLAIRE CAIN MILLER](#)

Published: January 29, 2013

SEOUL, South Korea —

[North Korea](#) may be the world's most shrouded country, but on Tuesday Google Maps lifted the veil just a little, uploading a map of the police state complete with street names in the capital.

The new map, built with the help of what [Google called](#) "a community of citizen cartographers," provides people who normally visit the site for driving directions with a peek at places they previously may only have read about, probably in news articles about the North's nuclear program or its devastating food shortages.



Read more at:

http://www.nytimes.com/2013/01/30/world/asia/google-maps-new-target-secretive-north-korea.html?_r=0

Mapping Our Future

Tuesday, 29 January 2013 16:30 Mark Joseph Davey [A&E](#) - [A&E](#)

..... “Most maps are about development, about the military, about command of some environment or another, about the power of your mobility through an environment,” says Newton. “So they’re political. That’s why we will take a map and yank the roads off, and empower the rivers—we’ve made the map a political statement too.”



..... Among the other works on display will be “Tibet is the High Ground,” a piece that emerged from a dialogue between the Harrisons and the Dalai Lama,.

..... Unfortunately, even four decades later, people aren’t getting it quickly enough. “It does not look like the human condition, nor legal system, nor beliefs, nor industrial system will permit the kind of cooperation necessary to save the planet,” says Newton..

Read more at:

<http://www.gtweekly.com/index.php/santa-cruz-arts-entertainment-lifestyles/santa-cruz-arts-entertainment-/4525-mapping-our-future.html>

Penn State joins MOOC Movement to offer Free online Courses; Includes Geospatial

Thursday, February 21st 2013

[Pennsylvania State University](http://www.pennstate.edu) | State College, PA

Penn State today (Feb. 21) joined the leading massive open online course (MOOC) platform, [Coursera](http://www.coursera.org), making it possible for the University to provide courses on a vast scale and open higher education to hundreds of thousands more students than was previously possible.

Read more at:

<http://www.directionsmag.com/pressreleases/penn-state-joins-mooc-movement-to-offer-free-online-courses/311708>

Geofencing: Now a Market Unto Itself

Wednesday, February 20th 2013

By [Joe Francica](#)

Summary:

ABI Research recently released a report entitled, “[Geofencing Finally Emerges to Enable New Multi-billion Markets by 2018](#),” predicting a market size of \$300 million. Editor in Chief Joe Francica asked ABI’s senior analyst, Patrick Connolly, to provide additional details on how “geofencing” became an entirely separate market.

On February 1st, ABI Research released a report stating, “With low-cost developer’s tools becoming available, geofencing is finally coming out of the shadows, moving beyond traditional location-based applications, to form the backbone of a host of new applications and services.” ABI estimated that the market for geofencing could reach \$300 million by 2017. Directions Magazine’s editor in chief, Joe Francica, contacted Patrick Connolly, a senior analyst with ABI, to discuss the details.

Read more at:

<http://www.directionsmag.com/articles/geofencing-now-a-market-unto-itself/310269>

Applications

Create Google Maps of Your Own To Share & Collaborate With Friends

February 12, 2013

By [Tina Sieber](#)



[Google Maps](#) is the best free tool for all your [mapping and navigation needs](#). It’s comprehensive, intuitive to use, and available across platforms. Since there is [no serious competition in sight](#), you might as well settle with it for now and use some of the awesome features, like custom maps.

[Google Maps](#) allows you to edit its maps, save them as your own map, make it public or private, and share the link. This is ingenious and I think this feature where you can create google maps of your own is not used enough! Let me give you 3 reasons why you should use it more or better yet, let me show you 3 things you can do with custom maps.

Introduction

For those of you not familiar with custom Google Maps, let me briefly show how to use them.

Read more at:

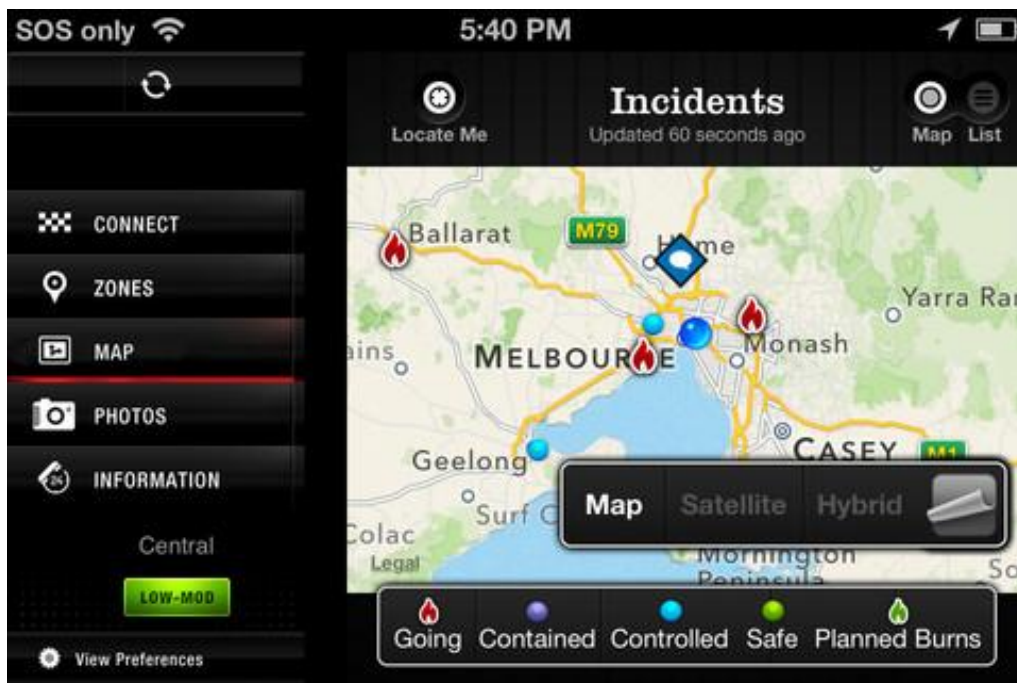
<http://www.makeuseof.com/tag/create-google-maps-of-your-own-to-share-collaborate-with-friends/>

Australian authorities blame Apple Maps for inaccuracies in bushfire warning app

Tuesday, February 12, 2013, 07:51 pm

By [Kevin Bostic](#)

Officials in Victoria, Australia are pointing at Apple's much-maligned Maps App for causing dangerous inaccuracies in a bushfire information app, saying that problems with the mapping service make it difficult to determine exactly where fires are when alarms are received.



Read more at:

<http://appleinsider.com/articles/13/02/12/australian-authorities-blame-apple-maps-for-inaccuracies-in-bushfire-warning-app>

Crime map is just a click away

Published: Sun, February 10, 2013 @ 12:00 a.m.

Recently the Youngs-town Police Department announced a partnership with Behavioral Analysis & Intelligence Resources (BAIR) Analytics to provide online crime mapping technology to the general public.

Crime mapping is not a new concept. According to Borden Dent's "Brief History of Crime Mapping," the origin of crime mapping dates back over 180 years to French authorities who created maps to show the relationship between educational levels and crime.

Read more at:

<http://www.vindy.com/news/2013/feb/10/crime-map-is-just-a-click-away/?newswatch>

Pakistan: Mapping The Unknown

OPB | Feb. 11, 2013 9:50 a.m. | Updated: Feb. 11, 2013 1:54 p.m. | Washington D.C.

Beware, Here Be Dragons



For reading material on this trip I borrowed a book on the history of maps and mapmaking. Its ideas make a good metaphor for this adventure.

The best early maps were made not by explorers or traders but by those who stayed behind, usually in a port city or trade center, drinking with sailors and collecting stories from travelers. From these accounts they created an often vague, visual interpretation of the world.

Read more at:

<http://www.opb.org/news/article/pakistan-mapping-the-unknown/>

Rapid disease mapping could guide treatment in South Sudan

Gilbert Nakweya
22 January 2013 | EN



Schistosoma parasites can be better controlled using targeted interventions

CDC/Marianna Wilson

[NAIROBI] Rapid mapping to quickly determine precise distribution and prevalence of major [neglected tropical diseases \(NTDs\)](#) such as schistosomiasis and lymphatic filariasis can help guide evidence-based interventions, a study reveals.

The study, conducted in South Sudan and published in *PloS One* last month (20 December), used surveys to map the prevalence of certain NTDs and determine where treatment is needed the most.

Read more at:

<http://www.scidev.net/en/sub-suهران-africa/news/rapid-disease-mapping-could-guide-treatment-in-south-sudan.html>

Shore Shifted by Storm

N.J. Coast's Housing Could Change Dramatically Under New Building Codes

By [HEATHER HADDON](#)

BRICK, N.J.—Like it or not, Jersey Shore residents are awakening to the reality that the beloved summer destination is undergoing a transformation never before seen.



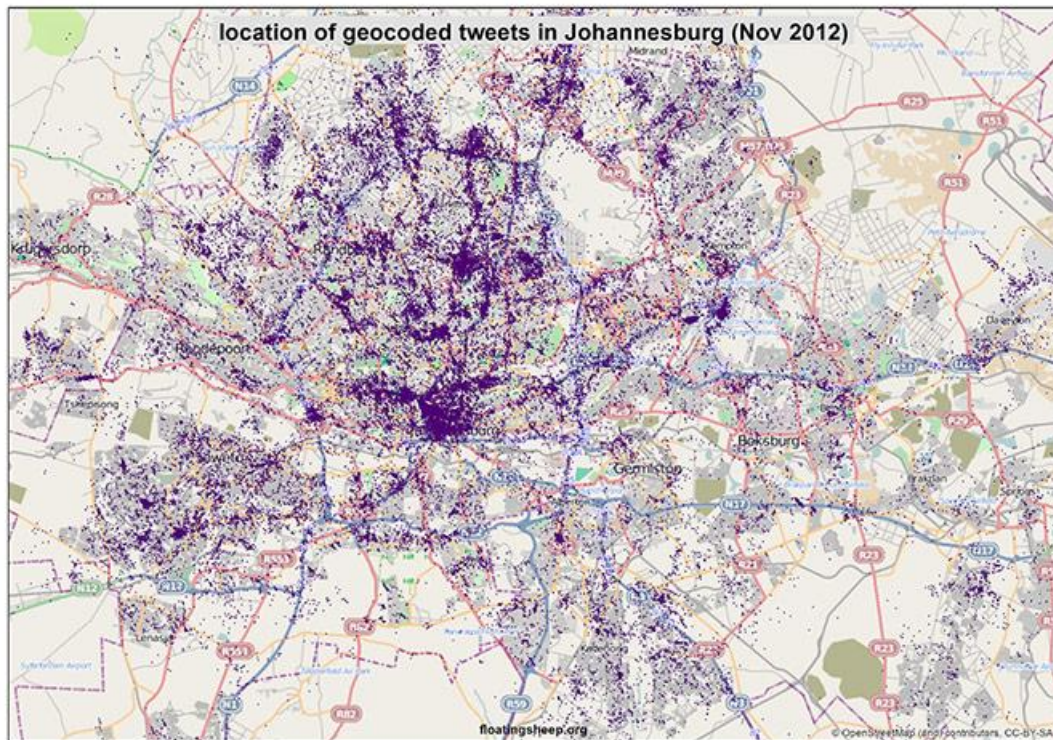
In January, New Jersey Gov. [Chris Christie](#) adopted advisory flood maps issued by FEMA in December as the new standard for the state's building code. As a result, homeowners rebuilding a substantially damaged property must abide by the elevation guidelines outlined for 194 communities across 10 counties.

Read more at:

<http://online.wsj.com/article/SB10001424127887323696404578300481679933910.html>

Mapping Tweets in Africa

Who uses Twitter in Africa - and where are they based? **Mark Graham** and the team at the [Oxford Internet Institute](http://www.oxfordinternetinstitute.com/) have looked at Tweets from key African cities - and the variation tells you a lot about access to technology across the continent



Read more at:

<http://www.guardian.co.uk/news/datablog/gallery/2013/feb/14/africa-tweets-mapped>

Maps: Smartphone Players' New Battleground

February 18, 2013 |

The map business is turning out to be a key revenue opportunity for leading smartphone manufacturers. Off late, there has been a shift from hardware to services in the smartphone industry, which has compelled smartphone makers to bolster their respective device ecosystems.

With consumers' traction towards navigation-based services increasing, tech giants like [Google](http://www.google.com/) (Nasdaq: GOOG), [Nokia Corp.](http://www.nokia.com/) (NYSE: NOK) and [Apple Inc.](http://www.apple.com/) (Nasdaq: AAPL) have been making efforts to outrun each other in the rapidly evolving map space.

Till now, maps have mostly been viewed in the context of turn-by-turn navigation and location-based services. But the underlying geo-data is the actual driving force for them, which makes maps central to services like social networking, mobile advertising and local search.

Read more at:

http://www.lightreading.in/document.asp?doc_id=228414

The Irish Independent reports that the taxman will use GPS-style technology to help work out your property tax bill.

Monday Newspaper Review - Irish Business News and International Stories
By Finfacts Team
Feb 18, 2013 - 8:33 AM

Sophisticated aerial mapping will be used to measure a home's proximity to shops, transport links, schools and other amenities that have a bearing on a property's value.

A 'deprivation index' will also be used to measure the affluence or poverty of an area, which will also have a bearing on the value and the amount of tax that should be paid.

Read more at:

http://www.finfacts.ie/irishfinancenews/article_1025592.shtml

Driverless Cars Tested on U.K. Roads

February 18, 2013, 7:15 AM
By Nick Clayton

Google's experiments with self-driving cars have extremely well-publicized. More quietly, on the other side of the Atlantic, scientists at Oxford University in the U.K. have been developing a system which can be fitted to existing cars and could eventually cost as little as \$150.

The system has been installed in a Nissan Leaf electric car and tested on private roads around the university. It is not intended to be used all the time, but takes over as a sort of auto-pilot on familiar roads when conditions are good.

The team led by Professor Paul Newman has developed a somewhat different system from Google, [reports The Guardian](#).

Rather than using the GPS navigation system, which can be unreliable in cities where "urban canyons" caused by buildings block signals, and only accurate to a few metres, the British-developed system uses 3D laser scanning allied to computer storage to build up a map of its surroundings – which is accurate to a few centimetres.

Read more at:

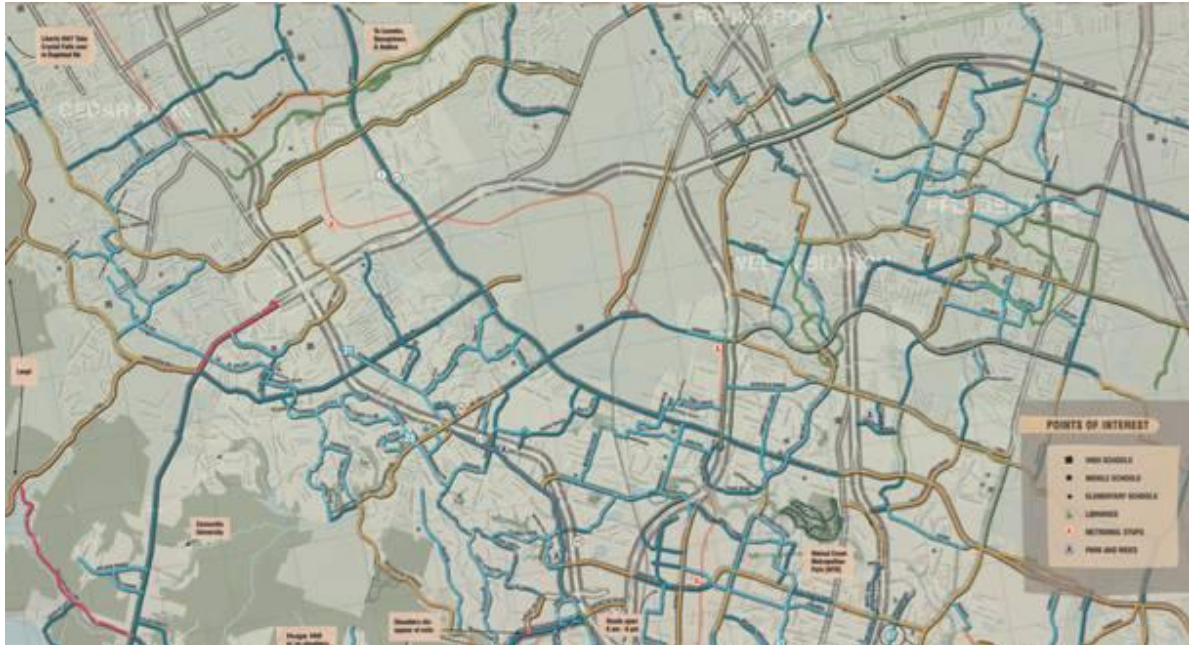
<http://blogs.wsj.com/tech-europe/2013/02/18/driverless-cars-tested-on-u-k-roads/>

Bike Maps That Give Riders the Info They Actually Need

[Sarah Goodyear](#)
Feb 15, 2013

Anyone who has ever used a bike map in an unfamiliar city knows that the colored lines showing the bike lane network can be hard to assess. Each municipality has its own system, and many of these are fairly crude, failing to give you any real clue as to what type of experience you'll have when you're on the ground riding.

Will the bike path marked on the map provide a pleasant pedal on a neighborhood street? Or a harrowing odyssey along a major arterial, with cars whizzing by at high speed? Even the more nuanced maps rarely take the cyclist's level of comfort as the basis for their markings, using instead a classification approach based on the somewhat obscure terminology used by planners and engineers.



Read more at:

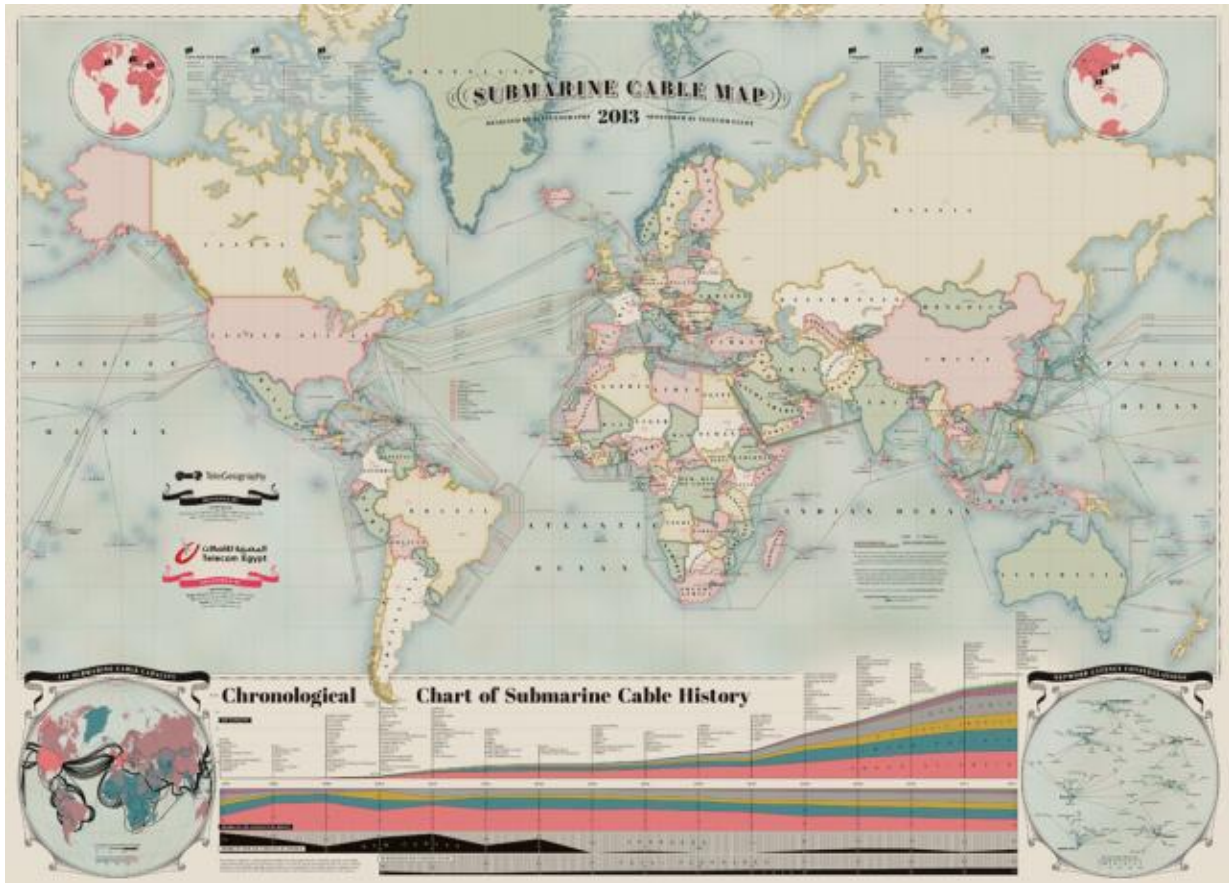
<http://www.theatlanticcities.com/commute/2013/02/bike-maps-give-riders-info-they-actually-need/4717/>

New map shows how the Internet will travel underwater in 2013

A beautifully done map shows how the Internet traverses the open ocean.

by [Casey Johnston](#) - Feb 1 2013, 10:30am AUSEDT

TeleGeography released a 2013 version of its [Submarine Cable Map](#) on Thursday showing the 232 cables that ferry telecommunications under water between countries. The mapmakers note that the number of cables do not denote capacity, but present an interesting visual of otherwise unseen connections around the world. In addition to mapping the locations of the cables, the map shows a chart detailing the names and connectivity of all the cables installed between 1997 and 2012.



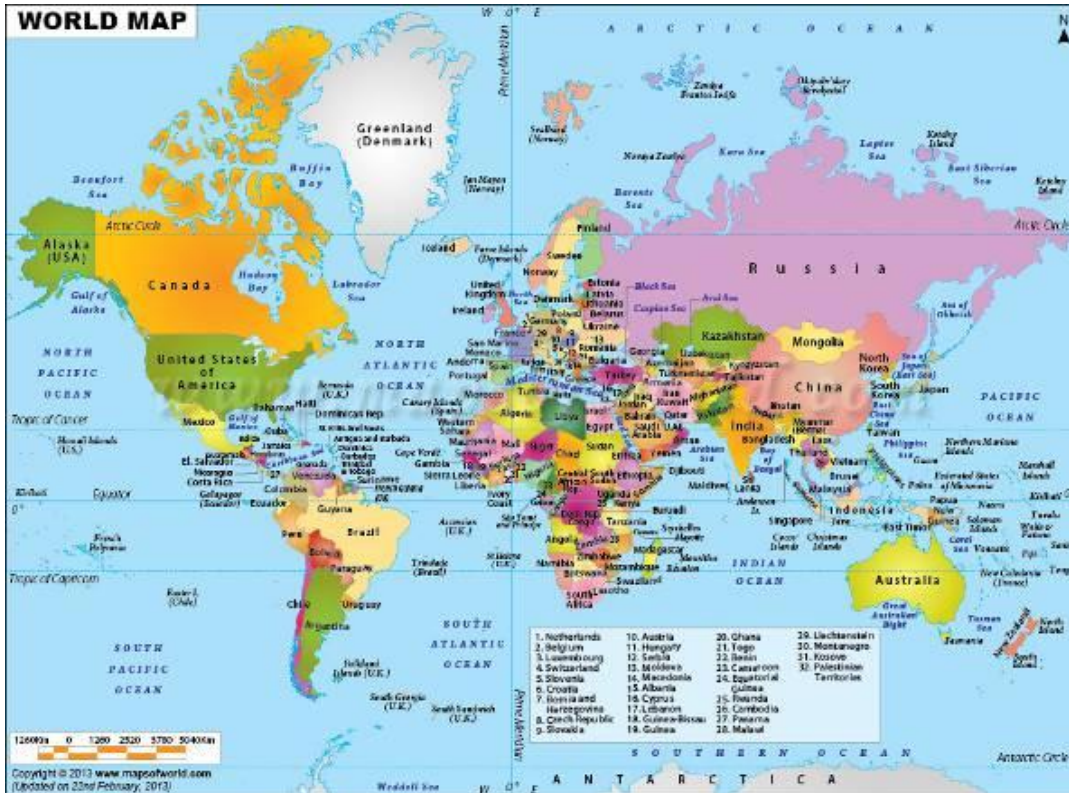
A map of the world and the cables that keep us connected.
Telegeography

Read more at:

<http://arstechnica.com/business/2013/01/new-map-shows-how-the-internet-will-travel-underwater-in-2013/>

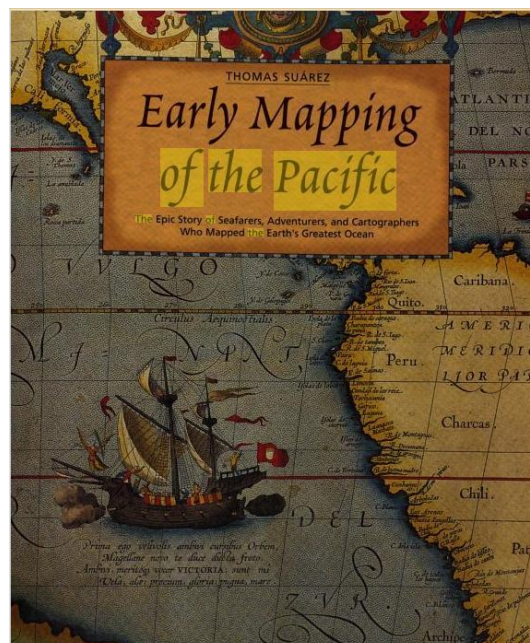
MapsofWorld.com

MapsofWorld.com is a multilingual portal offering high-quality maps and information across geographies and platforms. With special focus on educational content, the portal has thematic as well as interactive maps on all major platforms: Web, iPhone, iPad, iPod, and Android. World Atlas and World Quiz are two highly successful educational apps. Other services offered are custom mapping, content digitization, and the online map store.



<http://www.mapsofworld.com/>

Books

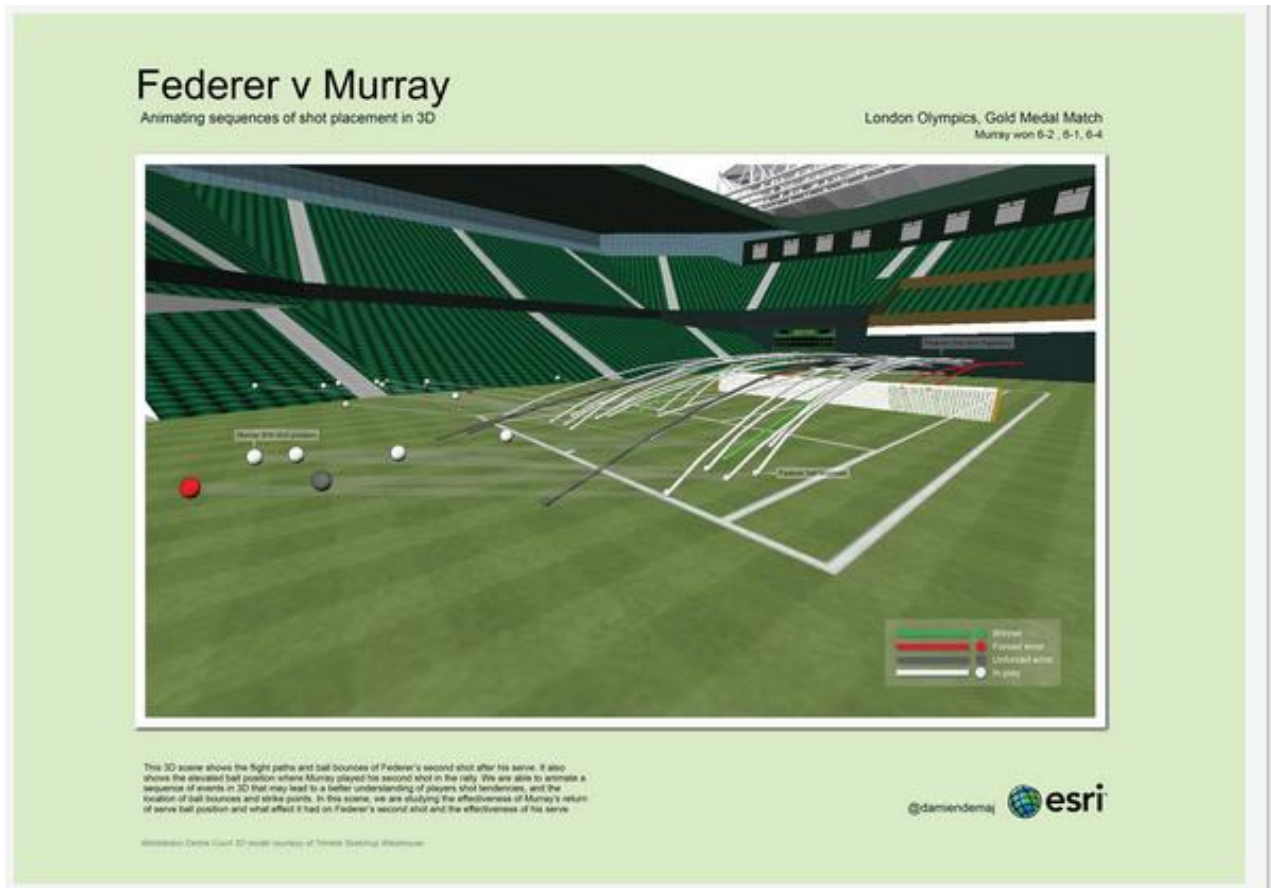


http://books.google.com.au/books?id=ICDV937xiNIC&pg=PA11&pg=PA11&dq=topias+map+of+the+pacific+islands&source=bl&ots=m7EeQQnuf5&sig=6wM-Mwi9I8H2p_yTSHkoRgQf_lc&hl=en&sa=X&ei=nTALUZmLOSvlMxSvYGoBQ&ved=0CGIQ6AEwCA#v=onepage&q=topias%20map%20of%20the%20pacific%20islands&f=false

Geographical Visualization

Anyone for Tennis?

Damien Demaj (expert Aussie cartographer now working with ESRI) has been working on some interesting ways to map tennis matches. He recently expanded his earlier work and completed a piece of research studying the spatial serve patterns of Federer and Murray from the London Olympics Gold medal match.



A summary of the research can be viewed here:

<http://blogs.esri.com/esri/arcgis/2013/02/19/using-spatial-analytics-to-study-spatio-temporal-patterns-in-sport/>

The full research paper can be read here:

http://gamesetmap.com/?page_id=2

Damien Demaj | Geospatial Product Engineer

Esri | 380 New York Street | Redlands, CA 92373 | USA

Phone: 909-793-2853 ext. 2119 | E-mail: ddemaj@esri.com | Twitter @damiendemaj

Cartography - Lite

What I Like about Making Maps: Visual Super Powers are Required

Posted on [February 17, 2013](#) by [Scott Williams](#)



I think map-making is one of the most important superpowers to have in today's complex world. Complexity threatens to overwhelm and crowd out clarity in every organization I know. At Maga Design we've been making maps for the past decade to help the people in organizations see and define their futures. Like my favorite super hero, [Wolverine](#), maps have a powerful healing factor to overcome any organizational toxin.

Read more at:

http://cdn.innovationexcellence.com/components/com_wordpress/wp/wp-content/uploads/2013/02/Maps.png

Map service catches out cheating fiance



Feb 20, 2013 9:42am

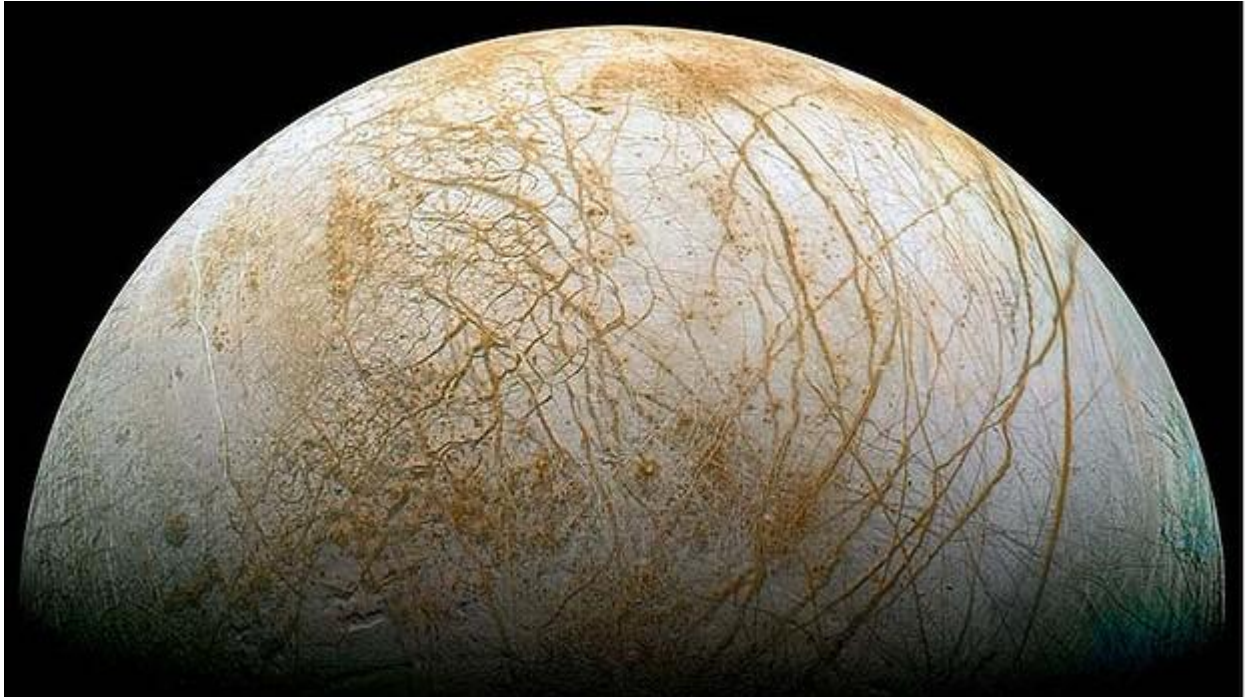
A RUSSIAN woman got more than she bargained for when an online map service she used to find an address showed her panoramic pictures of her fiance with another woman.

Read more at:

<http://www.optuszoo.com.au/news/technology/news-com-au/map-service-catches-out-cheating-fiance/919352>

Jupiter's Europa moon 'likeliest to have life'

February 18, 2013
Jean-Louis Santini



Complex and beautiful patterns adorn the icy surface of Jupiter's moon Europa. *Photo: NASA*

US astronomers looking for life in the solar system believe that Europa, one of the moons of Jupiter, which has an ocean, is much more promising than desert-covered Mars, which is currently the focus of the US government's attention.

Read more at:

<http://www.theage.com.au/technology/sci-tech/jupiters-europa-moon-likeliest-to-have-life-20130218-2em1g.html#ixzz2Lhc08mxN>

SPATIAL

QI – Series 7 – Episode 7 Girls and Boys =>SPATIAL

Stephen

Spatial.

Alan

Spatial...

Sandi

Testosterone again... It's your old... isn't it testosterone again?

Stephen

It 's to do with grey matter and white matter in the brain. And MRI equipment has shown, oddly enough, that in a test group of men and women with average I.Q. scores amongst the two genders roughly equal, so...

Alan

Don't be absurd.

Stephen

Hey! When given a... whooh... when given intelligence tests, men use six and a half more times grey matter than women, women use nine times as much white matter. Grey matter is central to processing information, plays a vital role in aiding skills such as mathematics, [map reading](#), intellectual thought. White matter connects the brain's processing centres central to emotional thinking, use of language, the ability to do more than one thing at once. I know they're all clichés, you know, words, emotional thinking, multitasking women are better at, but it does seem the evidence indicates that this is the case.



<http://www.youtube.com/watch?v=2f7urmRaRxY>

Jack [to Ronni and Sandi]

I'm so sorry.

Stephen

No, I would've said that...

Sandi

Is it the white matter that makes you think it's okay to wind the window down and ask the way?

Stephen

Yes. That's what... also, the superiority in language, which seems to be a female thing. You prefer to ask, whereas a man would prefer to look at visual cues.

Ronni

But that's just male pride...

Jack

The only reason we don't like asking is, you always get the idiot, don't you? When you stop and ask, "Do you know the way to Tesco?"... "Er... "

Stephen

And they say, "In two miles you come to a bridge. A mile before that, turn left."

Sandi

I once stopped in Ireland, stopped at... an elderly man, I was lost and I asked him the way, and I said – I can't remember the names of the places – I said, er, "Do you know the way to Duncannon?" and he said [*Irish accent*] "Did you not want to go to Castle Rae?" [*normal voice*] "No, I want to go to Duncannon". He said [*Irish accent*] "That's a pity because I know the way to Castle Rae."

Stephen

That is very Eccles isn't it? Superb. Well, it does seem that men are better at [spatial awareness problems](#) and women are better at vocabulary problems.

Read more at:

<https://sites.google.com/site/qitranscripts/transcripts/7x07>

QI – Series 7 Episode 6 Genius => SPATIAL

Stephen

Well, actually if you're breathing through your right nostril, you should be better at visual and [spatial tasks](#), if you're breathing through...

Graham

What, like now?

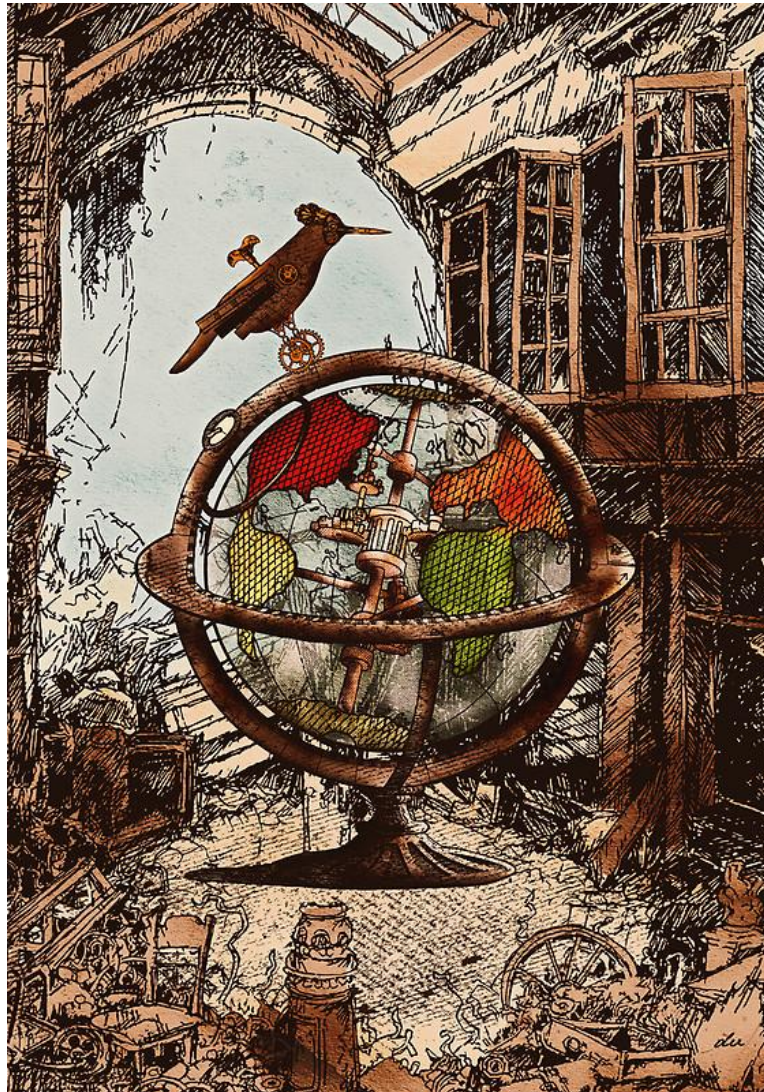
Stephen

Yes, that's it... you should be good at visual and [spatial things](#), and if you block the right one, you should be better at verbal things. I know it sounds mad but you've probably heard of the study in '89 called

Unilateral Nostril Breathing Influences Lateralised Augmented Performance by Block, Arnott, Quigley and Lynch...

Read more at:

<https://sites.google.com/site/qitranscripts/transcripts/7x06>



http://www.redbubble.com/people/dvdesign/works/9769560-ruins?ref=work_carousel_work_portfolio_1

Conferences

Go to the ICA website:

<http://icaci.org/calendar/>