

International Cartographic Association
Association Cartographique Internationale
Commission on Education and Training



JULY 2009

An occasional electronic newsletter for members of the CET – contributions welcome.

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If you have any brief items of interest to fellow CET members then please email them to david.fraser@rmit.edu.au. for eCET. If you have more substantial articles please send them to Igor Drecki at i.drecki@auckland.ac.nz for the ICA newsletter.

Conference awareness

AGI GeoCommunity '09 - 'Realising the Value of Place'

September 23rd - 24th 2009, Holiday Inn, Stratford-upon-Avon

http://www.agi.org.uk/bfora/systems/xmlviewer/default.asp?arg=DS_AGI_ABOUTART_73/page.xsl/94

14th International Symposium on Spatial Data Handling

Hong Kong, 26th to 28th of May 2010.

<http://isgis.lsgj.polyu.edu.hk>.

Core Spatial Databases – Updating, Maintenance and Services – from Theory to Practice

15-17 March, 2010

Haifa, Israel

<http://geo.haifa.ac.il/~isprs/HaifaJointWS/>

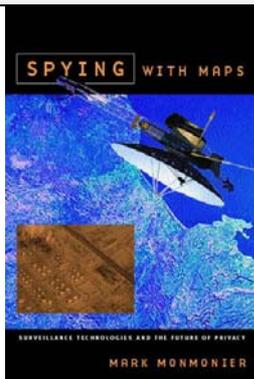
ESRI International User Conference

Held July 13-17, 2009

See Plenary Session videos at:

<http://www.esri.com/events/uc/agenda/plenary.html>

A Good Read

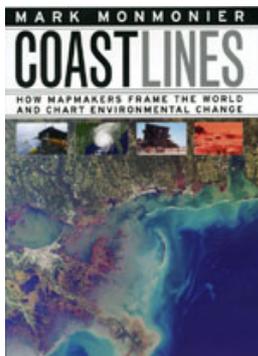


Mark Monmonier says: “In *Spying with Maps*, I look at the increased use of geographic data, satellite imagery, and location tracking across a wide range of fields such as military intelligence, law enforcement, market research, and traffic engineering. Could these diverse forms of geographic monitoring lead to grave consequences for society? To assess this very real threat, I examine how geospatial technology works, what it can reveal, who uses it, and to what effect.”

<http://www.markmonmonier.com/work4.htm>

Coast Lines

Coast Lines - How Mapmakers Frame the World and Chart Environmental Change



[Mark Monmonier](#)

Returning to the form of his celebrated *Air Apparent*, Monmonier ably renders the topic of coastal cartography accessible to both general readers and historians of science, technology, and maritime studies. In the post-Katrina era, when the map of entire regions can be redrawn by a single natural event, the issues he raises are more important than ever.

http://www.markmonmonier.com/coast_lines_how_mapmakers_frame_the_world_and_chart_environmental_change_78724.htm

Australia - Great Ocean Road rock formation collapses into sea

AAP June 11, 2009 - 4:26PM



Island Archway (inset) is now two new features on the Great Ocean Road near Loch Ard Gorge after the middle section collapsed into the sea this week.

A large section of the iconic rock formation the Island Archway, on Victoria's west coast, has succumbed to the elements and crumbled into the sea.

As its name suggests, the impressive rock formation on the [Great Ocean Road](#) resembled an archway rising 25 metres from the sea.

All that remains following the collapse are the two rocks that previously supported the arch. Port Campbell National Park acting ranger Natasha Johnson said today said she had mixed feelings about nature's makeover of the coastline landmark.

"It is pretty sad, but at the same time I find it pretty exciting as well. It's a really good example of nature at work," she said.

"This coastline is always evolving ... and getting reshaped." (Go to link)

<http://www.theage.com.au/travel/travel-news/great-ocean-road-rock-formation-collapses-into-sea-20090611-c4iz.html>

Russian island floats over to Estonia

June 23, 2009 - 6:39AM

© 2009 [AFP](#)

Estonia has gained an unexpected slice of territory from its former master Russia after a four-hectare tract of land broke free and floated over the border, a local newspaper reports.

Valeri Kiviselg, head of the border service in northeastern Estonia, told the daily Pohjarannik that floating islands were a natural phenomenon that formed in the shallow waters of a reservoir.

Recent high waters dislodged part of one island on the Russian side and sent it drifting into Estonia, where it jammed, Kiviselg said in the daily on Monday.

Last September, the same area was the scene of a dispute caused by the low waters: a British tourist was arrested in Russia after wandering across the then-empty reservoir to take a closer look at a church on the other side.

The reservoir lies on the River Narva, which marks the border between Russia and Estonia - the eastern edge of the European Union, which formerly Soviet-ruled Estonia joined in 2004. (Go to link)

<http://news.theage.com.au/breaking-news-world/russian-island-floats-over-to-estonia-20090623-cu7z.html>

Cartographic Resources

Geoinformatics' July/August issue

The digital version can be found at:

<http://fluidbook.microdesign.nl/geoinformatics/05-2009>

WolframAlpha is the first step in an ambitious, long-term project to make all systematic knowledge immediately computable by anyone. You enter your question or calculation, and Wolfram|Alpha uses its built-in algorithms and growing collection of data to compute the answer.

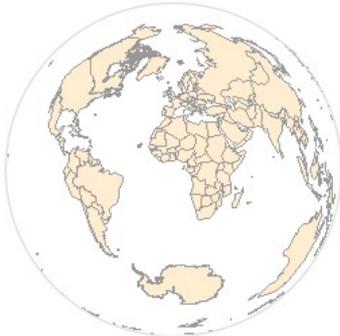
Visit <http://www.wolframalpha.com/examples/PlacesAndGeography.html> to see how this product relates to "Places & Geography" which includes "Maps & Projections".

For example:

draw a map using a specified projection

world Winkel Tripel projection

Output >



Bing Maps

Have a look at Microsoft's Bing Maps (beta) for an interactive Australia map, driving directions and business listings. The zoomed in large scale maps have different content to other similar products. Click on the 3D tab for an animation of this option.

<http://bingmaps.com.au/>

"Straight to the Point" CD – Introduction to Map Reading

<http://136.186.123.244/StraightToThePoint/default.htm>

For more information telephone 03 92101963:

This CD provides two real life situations, using graphical representations, which allow practice in reading different types of maps. It incorporates learning by becoming involved in the situations. The user may choose the situation to suit their training needs.

Map reading 1. Street Directories - This will be useful for anyone who uses a street directory.

Map reading 2. Topographic Maps - This will be most useful for emergency services workers.

By solving the problems posed in each situation, skills are developed and practiced, such as:

- recognising map symbols
- using the scale to estimate or calculate distances
- locating an address or position and

- planning a route from one place to another



(Extract from screen image)

Cartographic snippets

New Zealand Earthquake Report - July 20th 2009 at 7:04 pm (NZST)

Magnitude 4.5, Monday, July 20 2009 at 7:04 pm (NZST), 100 km west of Tuatapere.

Quake Details

Information about this earthquake:

Reference Number 3126998/G

Universal Time July 20 2009 at 7:04

NZ Standard Time Monday, July 20 2009 at 7:04 pm

Latitude, Longitude 45.86°S, 166.51°E

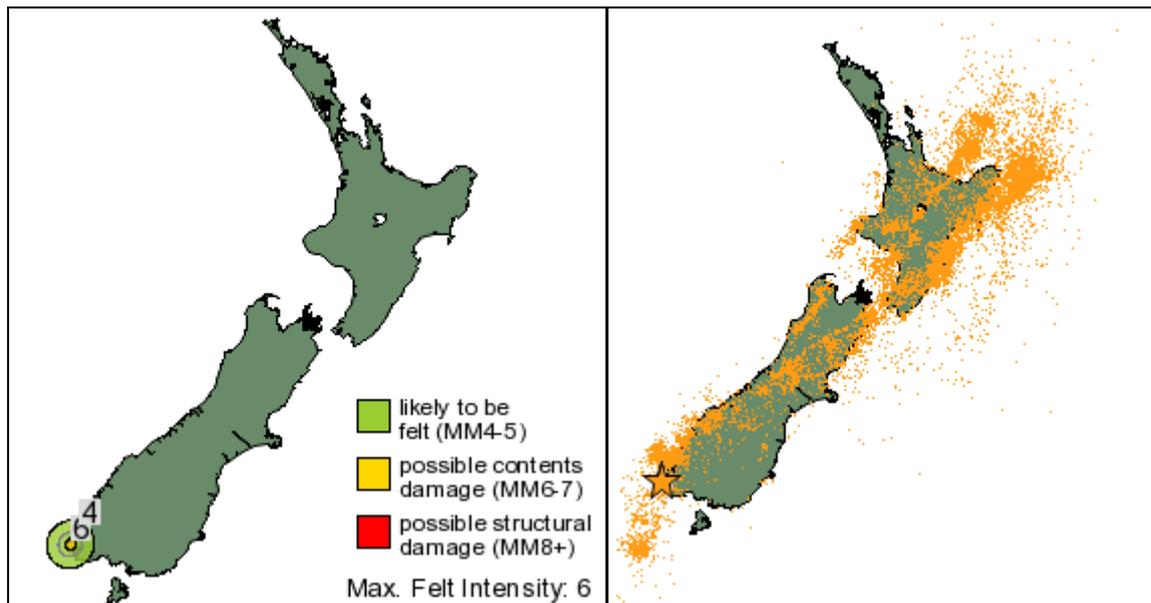
Focal Depth 5 km

Richter magnitude 4.5

Region Fiordland

- Location**
- 100 km west of Tuatapere
 - 110 km south-west of Te Anau
 - 160 km north-west of Invercargill
 - 310 km west of Dunedin
 -

Permanent displacements were observed due to the earthquake, the largest is about 350 mm of motion at Puysegur Point in south-west Fiordland



Isoseismal map

Seismicity Map

<http://www.geonet.org.nz/earthquake/quakes/latest.htm>

How to Map an Earthquake

When an earthquake has happened, usually the first question people ask is, 'How big was it?' A seismologist will answer this question by quoting a value called the magnitude – this is a number representing the amount of energy released by the earthquake. It's this number that is popularly referred to as the 'Richter Scale'. An increase of one unit represents a thirtyfold increase in energy, so an earthquake like the one that ruined Kobe in Japan in 1995 (magnitude nearly 7) was about 900 times as powerful as the earthquake felt across England on 27 February 2008 (magnitude about 5). However, there's another question that can be asked: 'How strong was it?'

<http://www.ordnancesurvey.co.uk/oswebsite/education/mappingnews/previouseditions/35/p24-25.pdf>

Orienteering - Mapping workshop

A **mapping workshop at Kandos**, NSW, in October 2009, is to be presented by presented by Eric Andrews. The workshop will run for 3 days immediately after the World Masters orienteering event.

IOF revision project of foot-o mapping specifications

The IOF Map Commission announced in June 2008 that it is to revise the International Specification for Orienteering Maps. A preliminary project plan involves three consultations with member federations and the review to be validated from 2012.

<http://www.orienteering.asn.au/technical/mapping/MappingNews/>

[40th Anniversary of the Moon Landing](#)

Video of first moon walk gets touch-up

July 17, 2009

NASA on Thursday unveiled restored video footage of man's first steps on the moon, 40 years to the day after Apollo 11 blasted off on its historic voyage into space.



Corrected - Sun from the north-west
(go to link)

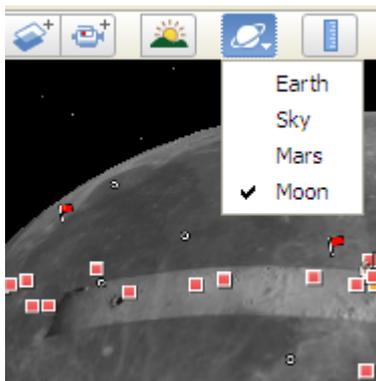
<http://www.theage.com.au/technology/sci-tech/video-of-first-moon-walk-gets-touchup-20090717-dn82.html>



Image as it appears in the article

Google Earth now with Google Moon

For those with Google Earth you can now view the moon by using the drop-down menu shown below.



Moon Landings inspire giant maze

A North Yorkshire farmer has created a maze resembling a giant astronaut to mark the 40th anniversary of the first Apollo landings.

http://news.bbc.co.uk/2/hi/uk_news/england/north_yorkshire/8159978.stm

Longest solar eclipse in century sweeps across Asia

July 22, 2009 - 10:58AM AP

The longest total solar eclipse of the 21st century has began across a huge swathe of Asia and is visible to huge numbers of people in India and China.



<http://www.theage.com.au/world/longest-solar-eclipse-in-century-sweeps-across-asia-20090722-dsew.html>

Eyes on the Earth 3D

This NASA site provides an interactive 3D view of satellites orbiting our Earth which provide information on the atmosphere, oceans and land.

<http://climate.jpl.nasa.gov/Eyes/eyes.html>

Some general topics related to mapping can also be found at:

<http://www.nasa.gov/topics/earth/index.html>

For Tech Savvy Cartographers

What is the location of that IP address?

To find out the geographical location of an IP Address, enter it in the text box at this site. Try the IP address for the “**STRAIGHT TO THE POINT**” article in this newsletter. The IP address is 136.186.123.244

(Go to link)

<http://www.networldmap.com/TryIt.htm>

Twitter with the GeoCommunity

Twitter is a free geographic information service that lets you keep in touch with people through the exchange of quick, frequent answers to one simple question: What are you doing? <http://twitter.com/GeoCommunity>

The changing face of technology?

TomTom's new navigation app for the iPhone.

Louisa Hearn

July 9, 2009 - 4:20PM

They might have dominated Christmas wish lists for half a decade, but portable satellite navigation devices (PNDs) for the mass market might be about to join the endangered species list.

Smartphones with sophisticated navigation functions are storming the shelves with bigger screens, longer battery life, turn-by-turn voice prompts and consumers are lapping them up.

<http://www.theage.com.au/digital-life/cartech/is-this-the-end-of-the-road-for-sat-nav-20090709-dedg.html>



Mainstream Adoption for Pedestrian Navigation

GeoConnexion

12 June 2009, 9:24pm

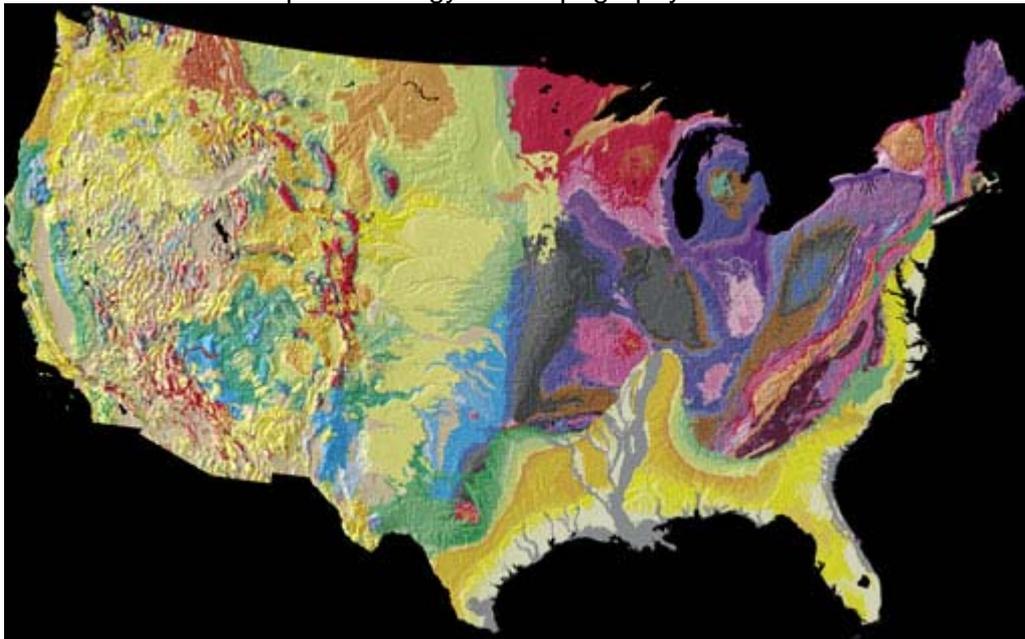
June 12, 2009 – NAVTEQ, the leading global provider of digital map, traffic and location data, today confirmed its industry-leading pedestrian navigation product, NAVTEQ Discover Cities, now powers several on-foot commercially available devices and applications throughout the world.

http://www.geoconnexion.com/geo_news_article/Mainstream-Adoption-for-Pedestrian-Navigation-/6022

FEATURE MAP

A Tapestry of Time and Terrain

The Union of Two Maps – Geology and Topography



<http://tapestry.usgs.gov/>

You can have a great deal of fun from a map, you know...especially when it comes to life!

Uncle George in *'The Map That Came to Life'* (H J Deverson, 1948)