

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

If you have any brief items of interest to fellow MSIA members please email them to david.fraser@rmit.edu.au for eCARTO. If you have more substantial articles please send them to greg.heron@nt.gov.au for your magazine "Mapping Sciences National".

PLEASE INVITE ONE PERSON TO BECOME A MEMBER OF THE MSIA.

Membership application can be undertaken by visiting

<http://www.mappingsciences.org.au/member.htm>

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"Borders are scratched across the hearts of men, by strangers with a calm, judicial pen, and when the borders bleed we watch with dread the lines of ink along the **map** turn red"

Marya Mannes (American Writer, 1904-1990)

This newsletter is divided into two parts:

Part 1: Report on the ICC2009 Cartographic Conference – Chile, in November

Part 2: Regular newsletter items of interest to members

REPORT on the International Cartographic Association (ICC2009) Conference, Santiago Chile

24th Conference of the International Cartographic Association

From 15th to 21st November 2009 the International Cartographic Association held its conference in Santiago, Chile. This was an opportunity to keep abreast with the

latest scientific and technical developments in cartography. The conference in Santiago provided the opportunity, for the first time, for the activities of the ICA to be showcased in South America.



President of the Local Organizing Committee, Colonel Juan Vidal Garcia-Huidobro with Professor William Cartwright, President of the ICA

INTERNATIONAL CARTOGRAPHIC ASSOCIATION (ICA) Executive Committee



Georg Gartner: Vice-President (Austria)
Grl(R) Pablo Gran Lopez: Vice-President (Chile)
Zhilin Li: Vice-President (China)
Milan Konecny: Former President (Czech Rep.)
Anne Ruas: Vice-President (France)
Prof. William Cartwright: President (Australia)
Igor Drecki: ICA Newsletter Editor (New Zealand)
Dr. David Fairbairn: General Secretary & Treasurer (United Kingdom)
Menno Jan-Kraak: Vice-President (Netherlands)
Timothy Trainor: Vice-President (United States)
Derek Clarke: Vice-President (South Africa) (not in photograph)



Members of the ICA Executive at the Conference

Symposium - The Future of Maps and the Internet

The Future of Maps and the Internet

Friday, November 13, 2009 - Sunday, November 15,
Viña Del Mar, Valparaíso

The Internet has been a major form of map delivery since the introduction of Mosaic, the first multimedia browser, in 1993. This symposium examined future directions and developments related to the distribution of maps through distributed networks.

Attendees:

A group of around 25 delegates attended

Papers:

Ubiquitous Web Mapping, Georg Gartner, Technical University of Vienna, Austria, ICA Vice President and Co-Chair of the Maps and the Internet commission

Theme 1: User Issues

The Changing Face of Cartography – Internet Mapping Challenges, David Fraser, Royal Melbourne Institute of Technology, Melbourne, Australia

The Future of Web Map Evaluation: An examination of eye movement studies, Kristien Ooms, Ghent University, Ghent (Belgium)

Theme 2: Map Presentation

Multimedia Mapping on the Internet: Past and Future, Shunfu Hu, Southern Illinois University, USA

Web-based multipublishing in supporting leisure outdoor activities, L. Tiina Sarjakoski, Tapani Sarjakoski, Pyry Kettunen, Janne Kovanen and Juha Oksanen, Finnish Geodetic Institute, Department of Geoinformatics and Cartography, Masala, Finland. Presented by Pyry Kettunen

Theme 3: XML

GEORSS – Is its Future in Doubt: Why? Rex Cammack, University of Nebraska at Omaha, USA
XML Schema Languages as a technical fundamental of formalised description of maps Otakar Cerba, University of West Bohemia, Plzen, Czech Republic

Theme 4: Mashups

Supporting users in creating geospatial Mashups, Joerg Steinruecken, University of Bonn, Germany

A Design for a Legible Mash-up, Charlie Frye, ESRI, Redland, CA, USA
Ubiquitous Cartography, Takashi Morita, Hosei University, Tokyo, Japan



MAIN CONFERENCE IN SANTIAGO

Venue: The Military School



The Military Geographic Institute (IGM) is the official authority representing the State in all matters involving geography, cartography, and surveying of its territory.

The IGM is the permanent information service in everything concerning the geography and cartography of the country. Historically, the IGM satisfies all needs concerning the Basic Territorial Information (ITB) of the nation.

The IGM manages the cartographic coverage at 1:50,000 scale available to the community in paper or digital format. At present, the IGM is undertaking various projects in order to respond to demand for more detailed cartography.

Inauguration





Plenary Sessions



Vanessa Lawrence, Helen Kerfoot and Martien Molenaar

Dr. Vanessa Lawrence CB
Director General and CEO, Ordnance Survey

While traditional uses of National Mapping Agencies products have focused on the map as a contextual reference, today's uses of the products are much more diverse. These changing needs require producers of geographic data to rethink the way they customize their spatial information to make it appropriate for all users.

In response to these challenges Ordnance Survey is modernizing its approach to users of their data. Data from any national mapping agency is only one geography of many geographies that is needed by customers to make important evidenced based decisions.

Mrs. Helen Kerfoot

Mrs. Helen Kerfoot, of Natural Resources Canada, Chair of the United Nations Group of Experts on Geographical Names –UNGEGN, gave an impressive presentation in the Fifth Plenary Session with the title “Geographical Names–maps, identity, and the United Nations”, at the same time serving as a suitable introduction to the Technical Sessions in the geographic names theme.

Dr. Martein Molenaar, Director ITC

Dr. Martien Molenaar, rector of the “International Institute for Geo-Information Science and Earth Observation”, the leading institution in the world for professional training in the geosciences, gave an impressive presentation in the Plenary Session with the title “Cross Border Education for the Global GI-Community”.

Barbara Petchenik Children’s Maps Exhibition

The international jury of the Barbara Petchenik children's maps competition chose the winning maps that came from different parts of the world.

The jury was composed of representatives from Bulgaria, Hungary, Argentina, Indonesia, Canada, Brazil, Spain and Chile.



International jury members

Display of children’s maps



One of the winners

National Map Competition

With the traditional ribbon-cutting, the president of the ICA, Professor William Cartwright opened the International Cartographic Exhibition ICC 2009, where a hundred maps of different countries were available to the general public.



The winners:

Globes and Atlases

Winner: EARTH - [Australia](#) (AUS1)

2nd place: Census Atlas of the United States - United States of America (USA8)

Hydrographic or Maritime Navigation Charts

Winner: Den Norske Kyst, Værøy-Lofotodden, Chart no. 70 - [Norway](#) (NOR1)

2nd place: Extrait du produit SCAN Littoral des côtes de France - [France](#) (FRA3)

Digital products (Maps and Digital Images)

2 Winners:

Geografía Universal Interactiva - [Chile](#) (CHL14)

Atlas Nacional de España 1986 - 2008 - [Spain](#) (ESP15)

Maps and Plans of Towns and Urban Areas

Winner: Beijing Olympic Venues, Tourism and Transport Map - [China](#) (CHN6)

2nd place: Diorama Kyoto (Spring) - [Japan](#) (JPN4)

Maps Based on Satellite Images and Remote Sensing

Winner: Parc National des Virunga 1 : 200,000 - [Belgium](#) / [D.R. Congo](#) (BEL7)

2nd place: Cobertura del Suelo 2005 1 : 10,000,000 - [Mexico](#) / [Canada](#) / [USA](#) (no code)

Maps for Tourism, Orienteering and Parks

Winner: Turistická Mapa - Set of 6 tourist maps - [Slovakia](#) (SVK6)

2nd place: Red Sea 1 : 2,000,000 - [Hungary](#) (HUN5)

Others (cartography belonging to other themes)

Winner: New School Maps of Greece - [Greece](#) (GRC1)

2nd place: Panamap Manhattan - [United States of America](#) (no code)

Thematic Maps:

Winner: Circumpolar Region - International Polar Year 2008 - [Canada](#) (CAN4)

2nd place: Carte Géologique des Pyrénées à 1 : 400,000 - [Spain](#) (ESP25)

Topographic Maps:

Winner: Cordillera Huayhuash (Perú) 1 : 50,000, Alpenvereinskarte 0/3c - [Austria](#) (AUT12)

2nd place: Carte de Randonnée 4901 Wallis - [France](#) / [Wallis et Futuna](#) (FRA25)

And the winner of the Public Vote is:

Winner: Les Cartes Portolanes

[Spain](#)

Congratulations to the winners!!!



Examples of maps in the International Map Exhibition

Awards

The **Carl Mannerfelt Gold Medal** honours cartographers of outstanding merit who have made significant contributions of an original nature to the field of cartography; it is awarded only on rare occasions in order to emphasise its distinction.



Professor Ferjan Ormeling



Mr. Bengt Rystedt

The **ICA Honorary Fellowship** is for cartographers of international reputation who have made a special contribution to the ICA. It includes a bronze medal.



President of the Local Organizing Committee, Colonel Juan Vidal Garcia-Huidobro

Technical visits

The Aerophotogrammetric Service (SAF)

The Aerophotogrammetric Service (SAF) is the technical and official authority of the State that fulfils needs for remote sensing, aerophotogrammetry, and similar techniques, as well as the standardization and creation of aeronautical cartography and all related maps.

The participants of the ICC-2009 toured the facility Aero-photogrammetric Service of the Air Force (SAF), where they were received by the Deputy. Over thirty people met and reported on the tasks related to the remote sensing and the official aeronautical cartography that this institution produces for the country.



The Hydrographic and Oceanographic Service of the Navy (SHOA)

The Hydrographic and Oceanographic Service of the Navy (SHOA) is the institution belonging to the Chilean Navy whose mission is to ensure safety in navigation around the coast and Chilean territory through cartography of the sea, rivers, and lakes.

Since the 19th century, it has been in charge of the creation of nautical charts in the country; however, it broadened its role in the 20th century. Nowadays, it draws the nautical charts of all the territory, conducts research, and publishes documents about tides, seaquakes, ocean currents, astronomy.

Also it controls the official hour of the country. The SHOA is the institution in charge of giving first alerts in case of a tsunami. It has modern facilities, state-of-the-art software and the most modern printing techniques in the country.



Commission on Education and Training meeting

The Commission on Education and Training met to reflect on the activities on 2009 and to discuss proposed activities for 2010. The discussion was lively. Valuable input was provided to future directions for the commission. We were pleased to have Dr Dave Fairbairn, Secretary General of the ICA in attendance.

Pictured below are:

Dave Fairbairn, David Forrest, Connie Blok, Necla Ulugtekin, Sukendra Martha, José Jesús Reyes Nuñez, László Zentai, David Fraser, Terje Midtbo, Aileen Buckley, Martien Molenaar, Shosuke Hosoi, John Kostelnick



The official photograph



The not so official photograph

[Agenda items discussed at the meeting:](#)

- CET Membership
- Undergraduate Cartography Courses listing
- Internet Cartography Project
- Cartographic Workshops – 2009 & 2010
- Cartographic Resources
- Academic Papers
- CET newsletters
- Biannual Awards on Educational Cartography
- Continuing Professional Development Program
- Commission meeting Prague
- National reports
- GIM International News
- Cartography Island project
- ICA Research Agenda
- CET Website

Education & Training papers presented at the ICC2009

Van Der Merwe Fritz

Concepts Of Space In Spatial Thinking

Reinhardt Wolfgang

Some Thoughts On A Body Of Knowledge For Different Purposes In Gi Education

Dibiase David

The Gis Professional Ethics Project

Zentai Laszlo

Change Of The Meaning Of The Term cartographer In The Last Some Ten Years

Resl Richard

Unigis In Latin AERICA 1999 To 2009: Experiences Of A Distance Education Program For Gis In Latin America

Brandalize Maria Cecilia

The Pedagogical Experience In Teaching Cartography And Gis Using Public Data And Software

Peters Stefan

Development Of An International Master Program In Cartography And Geoinformatics

Bielecka Elzbieta

Usability Of Web Maps In Teaching Geoinformation In Higher Education

Medvedev Andrey

Satellite Information: Innovations For School Education

Krajukhin Alexander

New Technique Of Creation Educational

Murad-al-shaikh Makram

Teaching Cartography Using Map Critique Exercises A Proposed Model For A Gis Cartography Course

Windiastruti Rizka

Cartography Education For Children In Indonesia (paper)

Fraser David

The Model For The Development Of Research Training In Asian Countries By A Foreign University ? Case Study Vietnam

Araya Palacios Fabin Rodrigo

Progress Map For Geography In Chile: Cartographic Materials In Primary And Secondary Schools

Molochko Victoria

The System Of Educational Geographical Atlases In Ukraine



Commission Chairs and Executive meeting

The ICA Executive met with the chairs of all the ICA commissions and working groups. The following items were discussed:

1. For the ICC2011 conference a double blind review process will be used for the refereed papers stream.
2. Workshops will be held before and after the ICC2011 conference.
3. The ICA encourages all commission to hold meetings in conjunction with Autocarto in Orlando, November 2010.
4. Commissions were given permission to republish relevant ICC2009 conference papers on their website.
5. The Executive plans to re-design the mix of commissions and working groups.
6. The Research Agenda was raised.
7. Commission chairs were requested to nominate a member who will succeed at chair of the commission.
8. The ICA newsletter editor requested content for the next edition.
9. It was agreed that Commission newsletters be sent to all other Commission chairs.
10. The president encouraged all commission to hold meetings in conjunction with the Digital Earth Summit, 12-14 June 2010 Nessebar, Bulgaria and the 3rd International Conference on cartography and GIS 15-20 June 2010 Nessebar, Black Sea, BULGARIA www.cartography-gis.com.



Executive at meeting with Commission chairs

Trade Exhibition



Equestrian Display

The Section of High School Horse Riding and the Equestrian Jumping Team of the School of Equestrian Art gave a presentation that showed high skills, ability and elegance.



Orienteering Event

The competition was held in the morning of this Friday 20th November at the “Hacienda Santa Martina” estate, coordinated by Captain Lautaro Rivas R.



The Orienteering Competition finished successfully with the winners announced during the Closing Ceremony on Saturday 21st of November 2009.

Winners:

Julien Gaffuri	1	A MALE
Hans Erick Aurell	2	
Dusan Petrovic	3	

Laszlo Zentai	1	B MALE
Julio Neira	2	
Dimos Pantazis	3	

Melaine Kunz	1	B FEMALE
Andrea Nass	2	
Beatrix Fey	3	

Terje Midtb	1	C MALE
Kristoffer Kristiansen	2	
Robert Norheim	3	

Karin Grånäs	1	C FEMALE
Marit Varmedal	2	
Astrid Fasold	3	

ICA Travel Awards



Travel award winners

Social gatherings – a time to share with colleagues



Gala Conference Dinner – Lo Curro Military Club

The main social event of the conference was held successfully, including a spectacular performance of the folkloric group “Los Cuatro Cuartos” and IGM’s own folkloric group “Coordenadas de mi Tierra” (“my Earth’s coordinates”), enjoyed by all those present.



Closing Ceremony and Farewell

The 24th International Cartographic Conference successfully finished at the Closing Ceremony and the awards of the International Cartographic Exhibition, the “Barbara Petchenik” Exhibition of Children Maps and the Orienteering Competition were presented.

In addition, the ICA President, Prof. William Cartwright thanked all of the Organizing Committee for their participation and cooperation in this Conference, and especially congratulated the President of the Organizing Committee and Director of the Geographic Military Institute, Colonel Juan Vidal García-Huidobro, and recognizing his labor.

The representative of the Organizing Committee for the next ICC (France, 2011), Mr. Francois Lecordix invited everyone to the next 25th International Cartographic Conference in the City of Paris.

The President of the Organizing Committee and Director of the Geographic Military Institute, Colonel Juan Vidal García-Huidobro thanked all the attendees, at the close of this Conference.



Chile was truly a spectacular country for an ICA conference. The conference itself was enjoyed by all delegates.



Congratulations on a job well done!

Next ICA International Cartographic Conference



25th International Cartographic Association Conference and the 15th General Assembly of the International Cartographic Association

- Call for papers opening on March 15, 2010
 - Submission deadline on October 4, 2010
-

Newsletter Items

Future Conferences Update

Gi4DM 2010 Conference, Geomatics for Crisis Management
([conference website \(external link\)](#)) 2–4 February 2010, Torino, Italy

5th International Workshop on Digital Technologies in Cartographic Heritage
<http://cartography.tuwien.ac.at/cartoheritage> 22–24 February 2010
Vienna, Austria (Abstracts due Dec 15)

Workshop of ICA Commission on Use and User Issues
([commission website \(external link\)](#)) 13 April 2010 London, UK

Geospatial Visual Analytics: Focus on Time
Workshop of ICA Commission on Geovisualisation, 11 May 2010
([commission website\(external link\)](#)) Guimarães, Portugal

Digital Earth Summit, 12-14 June 2010 Nessebar, Bulgaria and the **3rd International Conference on cartography and GIS** 15-20 June 2010 Nessebar, Black Sea, BULGARIA
www.cartography-gis.com

25th International Cartography Conference and the 15th General Assembly of the International Cartographic Association
3–8 July 2011
Paris, France

Cartography in the Media

Google dust off streets of Pompeii

“Pompeii has been added to Google’s Street View service allowing Internet users to take a 360-degree virtual tour of the ancient Roman city. ... Among the ruins visible on the search engine’s free mapping application are the town’s statues, temples, villas and theatres.”
(MX News, 7th December, 2009)

Microsoft launches redesigned map search with apps

JESSICA MINTZ
December 3, 2009
© 2009 [AP DIGITAL](#)

Microsoft Corp. is releasing an updated version of its mapping service with street-level views and new "apps" that tack on tweets, traffic and other location-specific data. The new version of Bing Maps was released Wednesday in a "beta" test mode. It offers slicker technology so users can zoom in more smoothly from the high-up graphical map to the close-up views showing actual streets from a pedestrian or driver's viewpoint.
<http://news.theage.com.au/breaking-news-technology/microsoft-launches-redesigned-map-search-with-apps-20091203-k6q1.html>

Aussie Googler hits the world stage for climate change

ASHER MOSES
December 2, 2009 - 12:35PM
The Age Newspaper

A Google Map lets users drill down to view votes by country, city and even postcode.

An online platform developed by an Australian Googler in his "20 per cent time" has been adopted by the United Nations to show world leaders the extent of global support for climate change action at this month's summit in Copenhagen.

Google Australia's "innovationist", Justin Baird, developed the "Show Your Vote" platform after meeting US environmental campaigner Al Gore earlier this year and helping develop the web presence of the highly successful Earth Hour campaign.

His platform includes a virtual ballot box that can be embedded into any website allowing people to register their support for sealing a fair and effective climate deal at the UN climate summit in Copenhagen, which runs for two weeks from Monday.

<http://www.theage.com.au/technology/technology-news/aussie-googler-hits-the-world-stage-for-climate-change-20091202-k54f.html>

Australian software offers fix for GPS errors

JULIA TALEVSKI

December 1, 2009

The Age newspaper

Artificial intelligence could soon make GPS navigation far more accurate and easy to use - even accounting for human error - thanks to an Australian-developed technology. A

researcher at Curtin University of Technology in Perth has been working on a prototype software called IntelliGeoLocator, which can learn how to find the most accurate location.

Geocoding is the term used for products such as Google Maps, whereby it drops a pin on a specific address. Firefighters and ambulance officers could stand to benefit the most from this new mapping technology, says IntelliGeoLocator's creator, Matthew Hutchinson.

<http://www.theage.com.au/digital-life/cartech/australian-software-offers-fix-for-gps-errors-20091201-k222.html>

Europe probe tracks global warming impact on water

MARLOWE HOOD

November 3, 2009 - 12:49AM

The Age newspaper

The European Space Agency on Monday launched a water tracking satellite that will help give faster predictions of floods and other extreme weather incidents caused by global warming.

By providing precise measures of soil moisture and ocean surface salt levels, SMOS will fill important gaps in scientific knowledge about the water cycle and help meteorologists make more accurate forecasts in near-real time, say experts.

© 2009 [AFP](#)

<http://news.theage.com.au/breaking-news-world/europe-probe-tracks-global-warming-impact-on-water-20091102-htgh.html>

Disease mapping

ALEXANDRA CAIN

October 22, 2009

The Age newspaper

New technologies will allow corporations to gain a much better understanding of how a pandemic would affect the smooth running of their businesses. Interestingly, a technology known as geographic information systems being developed for use by modern corporations to understand where disease clusters are located has its origins in the 19th century.

"Disease mapping developed during the 1830s cholera outbreak in the UK. Post-epidemic, information from doctors about the number of cases that presented at their surgeries was collected, which was used to develop maps with dots representing cholera cases. The maps tracked the spread of the illness over time and clearly showed disease clusters around ports like Liverpool and Manchester, and also accounted for ancillary factors such as how the disease spread through the British canal system,"

<http://www.theage.com.au/business/cfd/disease-mapping-20091022-hb55.html>

SPECIAL FEATURE – Beyond the Visible

Scents and the City

By JASON LOGAN

Published: August 29, 2009

OP-ART

New York secretes its fullest range of smells in the summer; disgusting or enticing, delicate or overpowering, they are liberated by the heat. So one sweltering weekend, I set out to navigate the city by nose. As my nostrils led me from Manhattan's northernmost end to its southern tip, some prosaic scents recurred (cigarette butts; suntan lotion; fried foods); some were singular and sublime (a delicate trail of flowers mingling with Indian curry around 34th Street); while others proved revoltingly unique (the garbage outside a nail salon). Some smells reminded me of other places, and some will forever remind me of New York.



<http://www.nytimes.com/interactive/2009/08/29/opinion/20090829-smell-map-feature.html?scp=7&sq=mapping&st=cse>

The Senses

Five ways of mapping the world. One story about people who make maps the traditional way—by drawing things we can see. And other stories about people who map the world using smell, sound, touch, and taste. The world redrawn by the five senses.

Prologue.

Ralph Gentles and five other people spend each summer creating a map of every crack, every depression, every protrusion, every pothole in the sidewalks of New York City. We hear why, and we hear all the things their map does *not* include. Mapmaking means ignoring everything in the world but the one thing being mapped, whether it's cracks in sidewalks or the homes of Hollywood stars. And, according to cartographer Denis Wood, we live in the Age of Maps: more than 99.9 percent of all the maps that have ever existed have been

made in the last 100 years. (5 minutes)

Act One. Sight.

Denis Wood talks with host Ira Glass about the maps he's made of his own neighborhood, Boylan Heights in Raleigh, North Carolina. They include a traditional street locator map; a map of all the sewer and power lines under the earth's surface; a map of how light falls on the ground through the leaves of trees; a map of where all the Halloween pumpkins are each year; and a map of all the graffiti in the neighborhood. In short, he's creating maps that are more like novels, trying to describe everyday life. See [some of Denis's maps](#).

Denis Wood is author of *The Power of Maps*. (8 minutes)

Act Two. Hearing.

TAL contributor Jack Hitt visits Toby Lester, who has mapped all the ambient sounds in his world: the hum of the heater, the fan on the computer. (11 minutes)

Song: "Way over Yonder in the Minor Key," Billy Bragg and Wilco

Act Three. Smell.

A story about a device that charts the world through smell—and only smell. TAL producer Nancy Updike visits Cyrano Sciences in Pasadena, California, where researchers are creating an electronic nose. (9 minutes)

Act Four. Touch.

Deb Monroe reports on how she has been mapping her own body through her sense of touch. (9 minutes)

Act Five. Taste.

Jonathan Gold goes to the places on Pico Boulevard in Los Angeles that he visited back in the early 1980s. He tells the story of how he decided to map an entire street using his sense of taste, and how doing this changed his life.

Song: "I Love America," Noel Coward

http://www.thisamericanlife.org/Radio_Episode.aspx?episode=110

Some early links to be developed

Smell survey available at this site:

<http://www.olfactoryfactory.org/smellmap.asp>

Japanese are taking their noses global with a Web site that describes different odours around the world and pinpoints where they can be found on a map.

<http://i.abcnews.com/International/wireStory?id=6625432>

SOUNDCITIES DATABASE: An online open source database of city sounds from around the world, that can be listened to, used in performances on laptops, or played on mobiles via wireless networks. Initially all sounds by Stanza you can now contribute your own found sounds. This is was the first online open source found sound database. First version 2003. New sounds added 12.12.06 **Enter to listen or add your own sounds.**

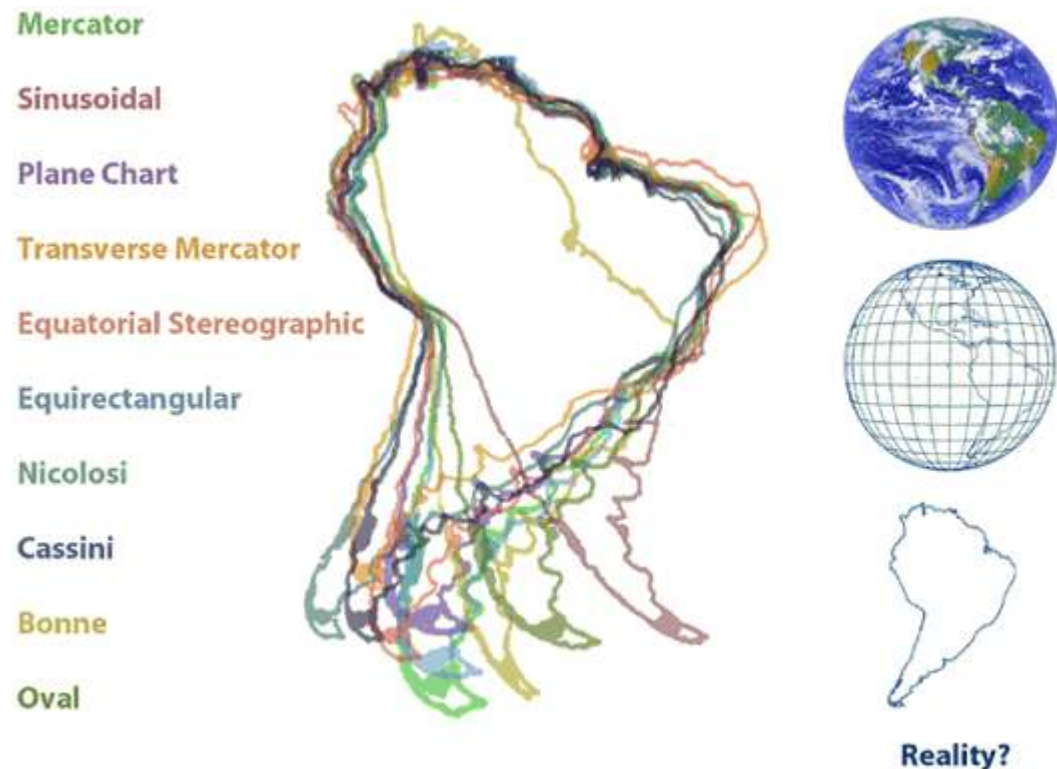
<http://www.soundcities.com/>

Let that be a lesson

Projection Study

Bill Rankin, 1999

A simple overlay makes the point that even satellite views of the globe are projections like any other. And given that there is no undistorted two-dimensional representation of a curved three-dimensional surface, one should ask whether "distortion" is even a useful category. And yet the shape of South America is stable; like letterforms, or the word "tree," it is not any one shape in particular, but a set of relationships.



<http://www.radicalcartography.net/?projections>

PhotoMaps by NearMAP - has potential

Worth a look!

This little gem allows a user to view multiple images of the same geographical area simply by selecting a different image date on the slide bar at the top of the image.



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

Red Bubble

This site allows artists to display their works for free. Searching on “Cartography” and “map” reveal some artistic interpretations of our cartographic science.

Go to: <http://www.redbubble.com/>

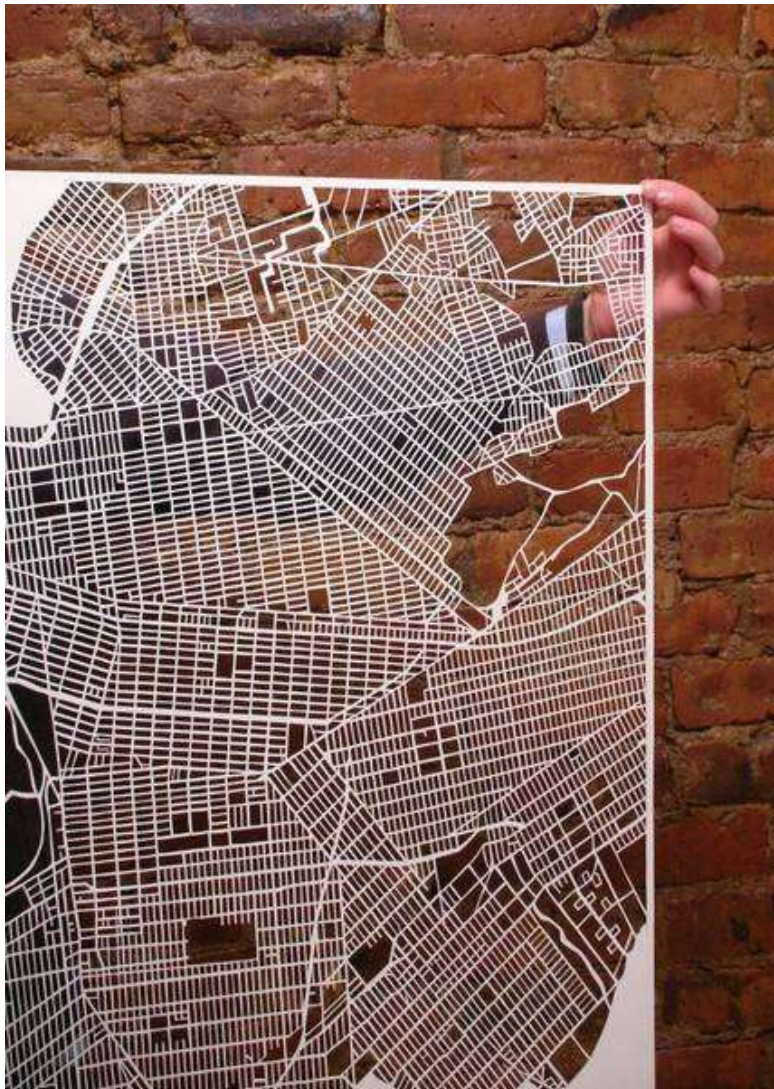
Search “Cartography” and “map”

New York City and Paris ‘Map Cuts’

October 26th, 2009

by Quincy

[This map-cut](#) of New York City is four paper panels each 3' x 4' and together show the city blocks, parks and other areas. It's one-of-a-kind



<http://thejailbreak.com/2009/10/26/new-york-city-and-paris-map-cuts/>



"A good **map** is both a useful tool and a magic carpet to far away places"

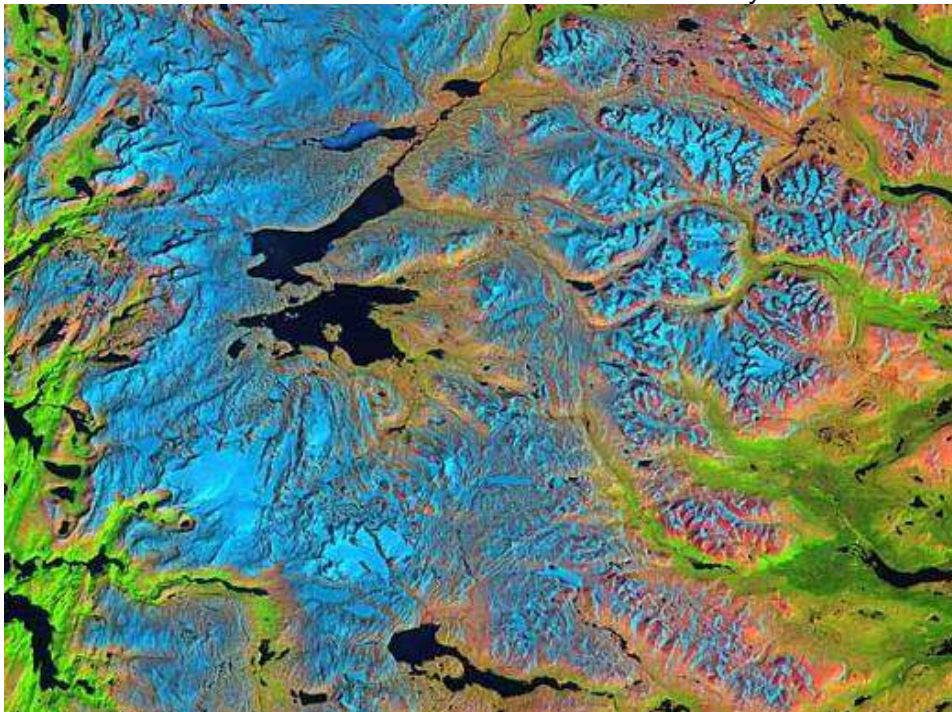
Our special world

What a Sight

UNESCO and the German Aerospace Centre exhibition presenting large sized satellite pictures of the world (below are two examples. AFP/Getty



Hawaii Volcanoes National Park AFP/Getty



The Laponian Area in Sweden AFP/Getty

TIMES ONLINE PHOTO GALLERY

http://www.timesonline.co.uk/tol/news/photo_galleries/article5932774.ece?slideshowPopup=true&articleId=5932774&nSlide=1§ionName=NewsEnvironment