

RGS-IBG 2006 Conference ‘Rethinking Maps’ sessions, 30th August 2006
Organisers - Martin Dodge, Chris Perkins and Rob Kitchin

Session paper order:

Session 1

- William Cartwright, *Deconstructing the Map*
- Paul Anderson, *Performing Cartographies: Wayfinding Within The Airport*
- Ron Wild, *MAPS withOUT Borders*
- Steve Coast & Mikel Maron, *OpenStreetMap.org – Citizens Mapping the World*
- David Turnbull, *Emergent Mapping: The Possibilities for Cartographic Multiplicity and Resistance*
- Peter Miller, *Tools and social uses for collaborative map building*

Session 2

- Jeremy Crampton, *Maps, Race and Foucault*
- Alex Kent, *European topographic mapping and the aesthetics of landscape cartography*
- Jona Piehl, *Spatial Diaries? Personalisation and Reflexivity in Maps*
- Barry Brown & Eric Laurier, *Maps & Orientation*
- Dominca Williamson & Emmet Connolly, *TheirWork: An Online Map You Can Contribute To*

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ABSTRACT SUBMISSION**

NAME OF MAIN AUTHOR	FAMILY NAME	Anderson
	GIVEN NAME	Paul
INSTITUTION /ORGANISATION ADDRESS	Institute of Geography, University of Edinburgh	
Names of co-authors		
TITLE OF PAPER	Performing Cartographies: Wayfinding Within The Airport'	
ABSTRACT (Max. 200 words)	<p>This paper contributes to recent rethinking of cartographies by examining the relationship between cartographies (the representational) and embodied movements (the non-representational). It argues that traditional notions of cartography ignore the performative and embodied, and seeks to demonstrate how maps are lived and remade through bodily movement. Drawing on the work of Félix Guattari, the notion of the map as both representation and movement is made, arguing that cartographics are never 'already made' but are always 'being made'.</p> <p>The paper will take the example of wayfinding within the airport to investigate the relationship between the cartographic and the body. The airport is based on the premise of movement, of moving the traveller from point to point. The airport as transit space is always urging the traveller to move on. Visual signs and maps facilitate this movement. The body navigates the airport space through a series of semioticised acts - bringing into being new ontological universes (Guattari 1992).</p> <p>Wayfinding thus turns information into passage, representation into non-representation, they conjoin semiotic and material flows (Fuller 2002). Cartography becomes much more than purely representation, but embodied practice.</p>	
KEYWORDS (Max. 5)	Cartographies, Embodied Practice, Wayfinding, Airport	
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input checked="" type="checkbox"/>
SESSION WHICH THIS PAPER IS LINKED TO (please specify if the abstract is not linked to a session)	Research Group	Session Title
		Rethinking Maps
STATUS OF ABSTRACT	A) Abstract has been sent to session convenor and accepted x	

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NAME OF MAIN AUTHOR	FAMILY NAME	CARTWRIGHT
	GIVEN NAME	William
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Names of co-authors		
TITLE OF PAPER	Deconstructing the Map	
ABSTRACT (Max. 200 words)	<p>With the arrival of the Internet Cartography was able to publish maps on-line, quickly and with no distribution or printing costs. However, the way maps are constructed for Web delivery differs little from computer graphics and discrete multimedia products. Now, accelerated by relatively inexpensive access to the Internet, the availability of small, inexpensive, mobile computers and the availability of social software has changed the way in which users access information via the Internet. This is being facilitated via Blogging, building products like Wikkis and using Aggregator and Social services. The Internet is now being used in a way where users 'build' their own information resources by placing their own information on-line or linking to many distributed resources. Information is stored virtually and accessed when needed and in formats best suited to a particular use. Information is not developed or stored as one complete unit, but 'built' on demand using Web-provisioned resources.</p> <p>This paper considers whether cartography needs to address the concept of 'deconstructing the map', whereby a complete product will be replaced by cartographer-built components in conjunction with user-provided information. Users would 'construct' their own mapping product from both cartographer-provided components and their own information.</p>	
KEYWORDS (Max. 5)	Cartography, Information Access, Social Software, Web 2.0	
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input checked="" type="checkbox"/>
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SESSION WHICH THIS PAPER IS LINKED TO (please specify if the abstract is not linked to a session)	Research Group	Session Title
		Rethinking maps
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	GIVEN NAME	Ron
INSTITUTION /ORGANISATION ADDRESS	P.O. Box 21112 Edmonton, AB T6R 2V4 Canada	
Names of co-authors	N/A	
TITLE OF PAPER	MAPS withOUT Borders	
ABSTRACT (Max. 200 words)	<p>"Dear God, do you draw the lines around the countries? If you don't, who does?" - Nathan Land ownership boundaries are among man's most arbitrary creations. Historically it has been easiest to draw a straight line on a paper map to create a political boundary.</p> <p>"BOUNDARY: In political geography, an imaginary line between two nations, separating the imaginary rights of one from the imaginary rights of the other." - Ambrose Bierce The contiguous-line approach has failed miserably in resolving settlement disputes. However, by employing 'cartographic thinking' principles (sketched out at http://www.1-900-870-6235.com/PeaceMap.htm), a radically innovative way of mapping territory is being developed.</p> <p>"A country is a piece of land surrounded on all sides by boundaries, usually unnatural." - J. Heller, "Catch-22" Using basic GPS and GIS technologies, an arbitrary straight line can be replaced with an infinitely long (highly fractal / pixelated) "political coastline". Differing pixel sizes (down to 1-meter square?) could be used to optimize an agreeable 'resolution' to settlement disputes.</p> <p>Some believe this cARTographic approach has the potential to outline a "Portrait of Peace" in the Middle East. As a dispute resolution mechanism, neither black / white parties need accept grey compromises.</p>	
KEYWORDS (Max. 5)	border, pixel, coast, resolution, settlement	
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input type="checkbox"/>
	Poster	<input checked="" type="checkbox"/>
	Other Forum Presentation	<input checked="" type="checkbox"/>
SESSION WHICH THIS PAPER IS LINKED TO (please specify if the abstract is not linked to a session)	Research Group	Session Title
	N/A	Rethinking Maps
STATUS OF ABSTRACT	A) Abstract has been sent to session convenor and accepted	<input checked="" type="checkbox"/>
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	C) Abstract has not been sent to session convenor	<input type="checkbox"/>
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ABSTRACT SUBMISSION**

NAME OF MAIN AUTHOR	FAMILY NAME	Coast
	GIVEN NAME	Stephen
INSTITUTION /ORGANISATION ADDRESS		
Names of co-authors	Mikel Maron	
TITLE OF PAPER	OpenStreetMap.org – Citizens Mapping the World	
ABSTRACT (Max. 200 words)	<p>OpenStreetMap.org is a collaborative effort to generate maps of the world free of traditional copyright and re-use restrictions. Using Free data such as Landsat imagery and submitted GPS traces, any internet user may contribute to the map in any part of the world. Changes to the map are stored in a wiki-like way, that is, every change is timestamped and recorded with the user that made it. Errors or malicious edits may be rolled back and verified using this data, much as Wikipedia uses similar methods for textual information. GPS traces submitted and map data created is licensed under a Creative Commons share-alike license such that people may do as they please with the data providing they give credit to OpenStreetMap and release their work under the same terms.</p> <p>OpenStreetMap started a year ago and has undergone massive growth. It now comprises of over a thousand users editing the map using open-source on-line editing software and many open-source third part editors. The data created (over a quarter of a million street segments) has been used in various projects such as flight simulators, route planning, posters and of course maps for general use. OpenStreetMap.org's past, present and futures is discussed.</p>	
KEYWORDS (Max. 5)	Open, free maps, citizen mapping	
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input checked="" type="checkbox"/>
	Poster	<input type="checkbox"/>
	Other	<input type="checkbox"/>
SESSION WHICH THIS PAPER IS LINKED TO	Research Group	Session Title
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ABSTRACT SUBMISSION

NAME OF MAIN AUTHOR	FAMILY NAME	Miller
	GIVEN NAME	Peter
INSTITUTION /ORGANISATION ADDRESS		
Names of co-authors	Cameron Shorter	
TITLE OF PAPER	Community Map Building with Bicycle Maps	
ABSTRACT (Max. 200 words)	<p>With the sudden release of quality free basemaps of the world by Google and quality Open Source Mapping Software, it is now possible for communities to build and share specialised geographic maps on a shoestring budget.</p> <p>In Sydney, Australia, a Bicycle Mapbuilder website empowers a community of cyclists to build, view and maintain bicycle maps by drawing lines in a web browser. The usually costly job of collecting and validating data is done by volunteers.</p> <p>Client and server software communicates using Open Standards which means future functionality will be easy to incorporate. Map data is stored in a Creative Commons, Non-commercial license. By using a non-commercial license we hope to encourage proprietary data providers to free their maps so that they can incorporate our Maps.</p> <p>This talk will discuss the free technologies used to build the Bicycle Mapbuilder, license issues, the benefits of Open Standards and maintaining quality data collected by a community.</p>	
KEYWORDS (Max. 5)	Bicycle, Open Geospatial Consortium, Standards	
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input checked="" type="checkbox"/>
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NAME OF MAIN AUTHOR	FAMILY NAME	Turnbull
	GIVEN NAME	David
INSTITUTION /ORGANISATION ADDRESS		
Names of co-authors		
TITLE OF PAPER	Emergent Mapping: The Possibilities for Cartographic Multiplicity and Resistance	
ABSTRACT (Max. 200 words)	<p>The issue of indigenous knowledge now raises more profound questions and difficulties for cartography than ever. If there are incommensurable ontologies with differing spatialities and temporalities how can they be represented? One answer is simply to assume that GIS- spatial referencing in a Cartesian coordinate system is the ideal way to commensurate difference- an approach common to much development and conservation thinking and to community mapping projects. What this approach loses is, of course, ontological multiplicity and the social performative components of mapping. At the other extreme is the assertion of radical incommensurability where its argued there cannot be, and perhaps even should not be, communication between knowledge traditions. Between these extremes are technologically and locatively mediated variants of mapping. The paper argues that none of these positions are adequate to the problem of working with incommensurability so that similarity and difference can be sustained. A radical reconception of knowledge and mapping is required. Through the conjoint lenses of complex adaptive systems, narratology, performativity and constructivism the paper examines the prospects for creating socio-technical environments in which differing spatialities and temporalities can be performed and narrated in dialogical tension allowing for the possibility of 'emergent mapping'.</p>	
KEYWORDS (Max. 5)		
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NAME OF MAIN AUTHOR	FAMILY NAME	Kent
	GIVEN NAME	Alex
INSTITUTION /ORGANISATION ADDRESS	Canterbury Christ Church University	
Names of co-authors		
TITLE OF PAPER	European topographic mapping and the aesthetics of landscape cartography	
ABSTRACT (Max. 200 words)	<p>Are users more confident using maps which they perceive as more aesthetically pleasing? If successful cartographic symbolisation involves preserving something of the character of a geographic feature, to what extent should its surface aesthetics be regarded as an integral element to be communicated in a map? Furthermore, if topographic maps are social products that symbolise a landscape which itself is a cultural construction, how do they treat landscape aesthetics? And what factors might restrict the cartographer's aesthetic expression of the landscape? This presentation will explore the relationship between maps and aesthetics, suggesting how aesthetics operates in maps, both internally and externally, focussing on official 1:50 000 topographic maps produced by countries within Europe. After a discussion of why the aesthetic principles of cartographers can give them a unique role in an age of mimetic representation, some possible avenues for further research will be proposed.</p>	
KEYWORDS (Max. 5)		
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	GIVEN NAME	Jeremy
INSTITUTION /ORGANISATION ADDRESS	Georgia State University, Atlanta, GA, USA 30303	
Names of co-authors		
TITLE OF PAPER	Maps, Race, Foucault	
ABSTRACT (Max. 200 words)	<p>Foucault's concept of biopower provides a suggestive approach for rethinking mapping today. Biopower is a rationality of modern government dealing with the population, as opposed to discipline which applies to individuals. It is concerned with a populations overall characteristics, such as birth rates, crime rates, death rates, as well as a series of demographic and economic factors. It depended on state racism; modern states have been formed and sustained by differentiating the national body from outsiders and insiders threatening to weaken it. The nation is a race which is racially or demographically homogenous and which occupies a natural territory.</p> <p>If mapping is one of the primary ways in which geography is known, then biopower demands an investigation into whether and how it is a technology of biopolitics. To what extent has mapping historically been involved in race and territory? I discuss the primary role of maps in thinking space politically following the upheavals of the First World War. The official committees and experts constituted territory as bounded spaces into which homogenous populations could be inserted. I conclude however that mapping need not necessarily be a biopolitical technology. Map hacking and the geospatial web provide mapping experiences beyond the state.</p>	
KEYWORDS (Max. 5)		
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	GIVEN NAME	Jona
INSTITUTION /ORGANISATION ADDRESS	Central Saint Martins College of Art and Design School of Graphic and Industrial Design	
Names of co-authors		
TITLE OF PAPER	Spatial Diaries? Personalisation and Reflexivity in Maps	
ABSTRACT (Max. 200 words)	<p>A Project in Progress: Picking up on the excitement and possibilities emerging from location-based internet applications such as Google Earth, this presentation charts the research and development of a mapping project that aims to interpret the built (urban) environment by revealing its narrative, poetic properties, superimposing the cartographic with multiple subjective layers handing over the power of authorship to the user or inhabitant.</p> <p>Starting with a standard map on a website the user will drill down into multiple perspectives on the space, as sounds or pictograms, turning street names into associative triggers of stories or poetry, graphic sequences into personal memory devices according to the individual usage of the space.</p> <p>Enabling the user to change the visual shape of maps and their content, select, add, amend, distort, print, distribute, contemplate, the project facilitates individual authorship of spatial representations. The engagement with ideas of cognitive mapping, topography as a vessel for memories and stories, visualisation of geographical subjectivity and the everchanging image of a place, should capture and express the intangible dimensions of the lived experience of daily city life.</p>	
KEYWORDS (Max. 5)	authorship, narratives, spatial representation	
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input checked="" type="checkbox"/>
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Names of co-authors	Emmet Connolly	
TITLE OF PAPER	TheirWork : An Online Map You Can Contribute To	
ABSTRACT (Max. 200 words)	<p>Online qualitative research: Can you help to represent and distribute significant data about a place in a way that effects how a community look after it?</p> <p>The purpose of this paper is to present and discuss the development of an online collaborative mapping tool called theirwork. The tool continues to be developed and delivered using web and open source mapmaking tools (including GPS machines) and within an evolving framework of qualitative research and critical theory. This framework seeks to ask if theirwork, which is developing a shared language about peoples' places, can effect how a community look after their environment.</p> <p>The tool is free and is for and about local communities and their place. They can use it to connect with, understand, protect, and share information about the environment in their area. Groups of people in a community can add information to a wiki-like map about their locality, creating a dynamic snapshot of how people feel about where they live. Individuals can mark places on the map, and comment on why they feel the places are important or of interest to them. Map data is created in an unfiltered, bottom up manner, and can be a mixture of hard GIS data and story-based information. Community workshops have shaped the project's development and have involved people of a mixed age, gender and sector.</p>	
KEYWORDS (Max. 5)	open-source locative tagging qualitative wellbeing	
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input checked="" type="checkbox"/>
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SESSION WHICH THIS PAPER IS LINKED TO (please specify if the abstract is not linked to a session)	Research Group	Session Title
	Martin Dodge, Chris Perkins & Rob Kitchin	Rethinking Maps
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	GIVEN NAME	Eric
INSTITUTION /ORGANISATION ADDRESS	Geography, University of Edinburgh	
Names of co-authors	Barry Brown	
TITLE OF PAPER	Maps & Orientation	
ABSTRACT (Max. 200 words)	<p>In this paper we develop earlier arguments (Brown and Laurier 2005) concerning the use of maps as resources and their peculiar properties when consulted during ordinary inquiries. Seldom understandable as solely navigational artefacts, maps are made sense of in the journeying and the particularities of activities, places and persons that constitute those journeys. We present an alternate approach to classic cognitive studies of wayfinding with maps, one that uses in-depth video-analysis of actual map use in real-world situations. Problem-solving with maps is a publicly available, socially and locally constituted activity, rather than a hidden cognitive process. In particular we explain the 'orientation effect' without resort to mental maps, but rather as part of the local accomplishment of finding your way. This presents a set of new empirical challenges and re-specifications of theoretical problems: maps as tools for discovery in action, rather than as representations of the world.</p>	
KEYWORDS (Max. 5)		
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input checked="" type="checkbox"/>
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	GIVEN NAME	John
INSTITUTION /ORGANISATION ADDRESS	University of North Carolina at Chapel Hill	
Names of co-authors	Sebastian Cobarrubias	
TITLE OF PAPER	Border cartographies and mapping networks	
ABSTRACT (Max. 200 words)	Recent writing on Europe has focused on the role of spatial thinking and practices in shaping and reproducing notions of European identity and geographies of European inclusion and exclusion. In this paper we describe the emergence of new activist social movement networks in southern Europe that are experimenting with cartographies and mapping as part of a broader politics of citizenship and the border. We focus on activist art movements that have deployed mapping projects in innovative ways to re-map and re-vision the complex spatial practices and experiences of the city, and on groups actively involved in attempts to deploy art and mapping to destabilize the increasingly hard borders of southern Europe.	
KEYWORDS (Max. 5)	Europe, border, social movements, mapping	
NATURE OF SUBMISSION (please delete as appropriate)	Paper	<input checked="" type="checkbox"/>
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SESSION WHICH THIS PAPER IS LINKED TO (please specify if the abstract is not linked to a session)	Research Group	Session Title
		Rethinking Mapping (Organizers: Dodge, Perkins, Kitchin)
STATUS OF ABSTRACT	A) Abstract has been sent to session convenor and accepted	<input checked="" type="checkbox"/>
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