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The Geographies of Cultural Geography III: Material Geographies, Vibrant Matters and Risking Surface Geographies.

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ABSTRACT: The doing of material geographies within the sub-discipline of cultural geography has been inspired by Jane Bennett's account of *Vibrant Matter*. This review follows the various trajectories in published research in the field of material geographies and argues that scholars should aim to embrace the call of matter to think politically and beyond the surface. The review argues that there is a risk of doing 'surface geographies' where research reflects matters at play rather than evaluate the interconnectivity and co-constitution of materialities and their geographies.

KEY WORDS: vibrant materialism, surface geographies, materiality, geography, politics.

Stephen Daniels, the conference chair of the 2011 Royal Geographical Society (with the Institute of British Geographers) annual conference, has argued that "(T) he 'Geographical Imagination' has the metaphorical capacity to refigure a larger conceptual field, to bring material and mental worlds into closer conjunction" (Daniels, 2011). Daniels encapsulates the continuing inspiration for new research and (for others) exposes the manifold tensions within the published research on material geographies. In this, my final review, my focus will be on the work within the realms of material geographies. I undertake this review in a context where the material parameters of the discipline are also shifting (Phillips, 2011). As a result of the capacities of the geographical conceptual realm, there are several moments where there has been a surge towards a notion of 'new' materialisms and orientations. Occasionally, the promise of the imagination within the research process, to refigure the worldly, materialises, whereas in other accounts, there is simply only a shallow engagement presented. This is where the *political* engagement with the concept of material is absent; this is what I term a *surface geography*. In these research projects, there is use of the concept of 'materiality', but without any reflection, critique, engagement or evaluation; leaving a *surface* recording, a description, a mapping or illustration of materialities within a site or those which are observed.

Material Research or Surface Geographies?

On reading the publications in this field, I have been drawn towards the conceptual question of 'what makes these material geographies and not surface geographies? A true engagement with the material. In my review *surface geographies* locate themselves at the outer-edge, the surface film rather than engage with the questions or politics of what is at stake materially. Surface geographies risk delivering a visual collage of what is observed rather than considered through theories of the material, politics, affects or effects. Citing examples of a 'surface geography' approach would be an easy way of narrating, but given my polite respect and abhorrence of unscholarly reductionist 'judgements' in published reviews I would prefer to show how a good account of materiality emerges in a researchers approach. Hetherington (1997) is an exemplary scholar who engages with the material, and who also gives us a full account of his practice. The result is a published account of research which embodies a clear politics of 'doing' materiality, but also provides a transparent account of research practice.

"My aim is to bring materiality back in, and to see places generated by the placing, arranging and naming, the spatial order of materials and the systems of difference that they perform." (p15)

What Hetherington argues here is that materials are *live*, active, agentic and powerful. His first step is to acknowledge their 'place', their 'arrangement', and their 'names'. The second step is to consider their spatial 'orderings'; to evaluate hierarchies, patterns, and significations. And the third step is to unravel their 'performance', their role, their *effect* and indeed any marked absences.

Hetherington is not content with simply describing the materials in their place, or producing a tally of actors in this scene. Heatherington, moves beyond the *surface* of matter, to engage with the politics, grammars and productive power of materials that are in place, shaping place and effectively making a *difference* to place and the place of each other.

Vibrant Materialisms

Vibrant Matters (Bennett, 2010) has been foundational for recent expansion in research on materiality. At the same time, the politics and philosophies of Jane Bennett have proven to be philosophically inspiring. Bennett marks a moment where there is a shift change in research on the cultural geographies of materiality which seems energised by her seam of rich narrative which animates our assumptions about the inanimate, and much more (see Bennett, forthcoming). In some accounts of published research within the field of material geographies, Bennett's call of going beyond the surface, is naively hollowed out in research practice, resulting in shallow iterations, descriptions and accounts of the material both conceptually and empirically. Bennett argues that 'materiality is a rubric that tends to horizontalise the relations between humans, biota and abiota' (p112). So rather than stratified frameworks of thinking about the material; be they horizontal or vertical, materials, as in Hetherington's account, are active and co-constitutive of their geographies, places, sites and spaces. This approach promotes 'vital materialisms', where humans and non-humans alike are material configurations, not dividable, separate or separable, but integrated, co-constituted and co-dependent. Bennett herself, accepts that her theoretical account of 'thing-power' could be used to exemplify Adorno's (1973) point about how 'Western Philosophy, a tradition that has consistently failed to mind the gap between concept, and reality, object and thing' (p12). Bennett's response is to prioritise; the 'ethical task at hand here is to cultivate the ability to discern non-human vitality, to become perceptually open to it' (p14). The power of matter and the seductive nature of materiality as a philosophical and political research orientation are presented here. The geographies of material geographies are reviewed through a topological lens, which seeks to understand *materiality* within an historicised, theoretical account where the risks of doing *surface* geographies, remain within sight.

A third exemplary publication on material geographies, and one of the most impressive and radical engagements with vibrant materialisms is Gibson-Graham's (2011) paper 'A feminist project of belonging for the Anthropocene'. Their intervention here is aimed at thinking regional geography with ethical and environmentalist politics which focuses on living differently with others on the

earth, in practice. Here, Gibson-Graham promotes thinking holistically about interdependencies that can forge sustainable ethical communities which have geographical engagements focused on well-being and happiness rather than economic growth and targets. Following Bennett's *Vibrant Matter* (2010) they are inspired to undertake 'the ethical act of subsuming ourselves within others' as well as our own materiality and tuning into the dynamism that does not originate in human action' (p2). At the heart of their account they aim is to *actively connect*, methodologically, philosophically, pragmatically, rather than *see* and iterate material connections. A different mode of humanity is embraced here, from the modern accounts of 'man' we turn against an 'illusory sense of autonomy' (p3) towards an interdependent, human-centred process-of becoming and belonging. The materiality of living, creating and politics is emergent, non-hierarchical and post human. The important aspect of materialism for these authors is a possibility for political change and reimagining of a complex of living that is situated in resolving human and non-human violence, alienation, resource-poverty and environmental desertification of the seas and land. Temporal and spatial scales shift within this use of the geological unit of the Anthropocene, which promotes a framework that is challenging to our usual understanding of capital, materials, life and politics. This is a vitalised account of geographies of materiality and material geographies, historically narrating the now familiar cultural politics of landscape, social representation and nation.

Material Geographies

Genealogically, material geographies are rooted in Raymond Williams's (1958; 1973) cultural materialism and the philosophies of Stuart Hall. Since Jackson's (2000) call to 're-materialise' cultural geography, there has been an increase in the numbers of scholars turning towards matter and materiality (see Cook and Tolia-Kelly, 2010; Gregson *et al*, 2010; Hicks and Beaudry, 2010; Jayne *et al*, 2010) reflecting a *politics* of attending to the material (Anderson and Tolia-Kelly, 2004; Clarke *et al*. 2008; Crang and Tolia-Kelly, 2010; Miller, 1998). Opportunities for new political and philosophical manifestos have ensued (see Anderson and Wylie, 2009; Gregson and Crang, 2010; Rose and Tolia-

Kelly; and Rose, 2011). One of the trajectories new research has formed around Ian Cook's (2003; 2004; 2006) practice of 'following the thing' (e.g. Burrell, 2010). Gregson and Crang's (2010) themed issue of *Environment and Planning A* on waste, examines the complexity of waste and its transnational material flows. They succeed in contributing to the diversity and vitality of current waste scholarship (2010: 1023), where waste has often been immaterial in the scholarship (2010: 1026). The special issue as a whole affirms that 'material properties are processual, relational and distributed' and that material need to be thought through their transformative states. As a result of thinking in this way, matter cannot be destroyed, it can only transform, mutate, morph (Davies, 2011), and thus continue in dynamic circulations. In this vein, Adey *et al.* (2012) argue that liberal life and threats to liberal life (such as natural disasters and revolutionary movements) are carried along by the very same circulations and interdependencies of matter. For example the craft of an airline can be both freeing and imprisoning depending on the political or environmental events that contextualise one's experience at any given time. In addition, to context, the power of human perception too acts as a material force (Anderson, 2011a; 2011b); it has effective power.

Matters of Citizenship and Nation

Materialities of national belonging are mapped further, beyond human-centred materialities, through the bio-securitising of the nation by Barker (2010) where flora and fauna are categorised as 'in' place or erased out of the national picture. Setting categories of whom or what belongs to nation, result in representations of 'moral citizen' which define visually inclusion to nation. Responses to these representations and their connected material exclusions, have fuelled a need in published research, for challenging the politics of delimiting places for 'races', and other human identities (see Yamanouchi, 2010), including heteronormative accounts of sexual identity and their sites of belonging (Gorman-Murray, 2011; Waitt and Gorman-Murray, 2011; Singham, 2011).

The exploration of what belongs where and through which historical account is taken up in the public sphere is the focus of Slocum (2008) who exposes the seemingly benign materiality at the farmer's market where nostalgia is deeply racialised in the creation of a white food space (2008:849). This account of 'moral' geographies of race belonging to nation is elaborated through engagements with literary accounts by Daya (2010). Here, race is being made through the process of eating itself (2010: 849). What authors argue is that race 'fixes' groups to particular locales: for Millington (2005), the Palace Hotel in South End- on-Sea is a site for Assylum seekers, where melancholia (Daya, 2010; Slocum, 2008) and nostalgia are enlivened through the material trope of race inequality. The identity politics of race-geographies are embedded in new research on both contemporary racism Shurbin (2010), and the cultures of race and affect at the museum as in Tolia-Kelly and Crang (2010); a vicerality of difference are threaded through these accounts. It is at the site of the vernacular geographies of living where McLloyd (2011), Nayak (2010), Swanton (2010), Bonnett (2010), Crang and Tolia-Kelly (2010) presence the racialised poetics and politics of affect, materially within the geographies of nation, region and political narratives.

Visuality / Materiality

The interdependencies of the embodied eye, the visual and material economies are considered too by Ash (2010), Hawkins (2010), Horton (2010), Capriotti and Kaika (2008), Rantisi and Lisle (2010), Fish(2007), Pratt(2007) and Wilson (2011). The cultural practices of the visual are squarely situated within the visceral realm by these authors. This trajectory within the discipline culminates in work on materiality and architecture (Jacobs, 2006; 2011; Jacobs and Merriman, 2011). Jacobs revolutionises our attending to the materialities of architecture promoting a new theory which commands an understanding of the logics and 'semiotics of materials'. This is a significant moment in the material geographies of architecture. Streebel, (2010) also argues for a further enlivening of architecture: where the building is seen as organism, which extended by Rose *et al.* (2010) , argues that 'feelings are part of building events' (2010:337). This is counter to Wilford (2008) 'where mundane

relationships and materiality are transformed into something iconic' at the site of 'house'. Lees and Baxter (2011) drive this account of sensibilities further to a fundamental call to take seriously 'the force of the material' (2011:117). There are, however, 'constructive promises built into the material architecture' (Bester *et al.*, 2011) which come prior to the presence of architectural mass.

What does matter say?

Responding to a fundamentalist account of material geographies Abrahamsson and Simpson (2011) sensitively revitalise materiality beyond the realms of the solid. In all cases however the 'voice' of matter is at stake. Harvey (2010) reminds us of the agentic nature of matter and thus asks 'what and who can speak on behalf of the material landscape?' Matter so often speaks through human sensibilities in accounts of nature, landscape and ecologies; through memory (Clope and Powson, 2008), landscape and archaeology (Tolia-Kelly, 2010), through assemblages of stone (Edensor,2011), through island insularity (Williams, 2010); the poetics of rubbish Hawkins (2011); gardens (Hitchings, 2003), legislation (Hillman and Instone,2010), urban walking (Middleton, 2010), military airspace (Williams, 2010). As Stewart (2011) argues, the textures of the environmental atmosphere are felt materially and that atmospheric attunements are palpable and sensory, (2010:446). Stewart explores everyday life using concepts such as 'plasticity 'and 'density' in emergent worlds that are continual and perpetual. For De Silvey (2010) newly emergent landscapes are co-dependent on memories and soundings within the locale, these orchestrate the links between past and present sensibilities. Lorimer (2010) emotively and humanely takes this further in his account of 'Elephants as companion species', he argues that '(T)heir bodies. . . bear traces of multimillennial histories and multinational geographies of movement, captivation and conflict' 'at the landscape scale, the ecological theatre of Sri Lanka is characterised by interspecies entanglements' (2010:492), their materiality does neither affirm static temporalities or spatialities, as their bodies are not fixed.

Overall what we encounter is a myriad of materialities with varying philosophical and theoretical roots, thus what we require in this field of research is a 'corporeal' generosity (Clark, 2007) to engage, empathise, process. Occasionally what is presented are *surface* collages, and graceful descriptions of things, places, surfaces and representations. These risky surface accounts lose connection with theoretical underpinnings, and indeed the political context. Accounts such as these operate against the very imperative of *materiality* and *materialism*, historically. The risk of presenting a loose account of materiality through doing surface geographies, is to erode a more robust and promising tradition. Surface geographies, depoliticise and make palatable the material world. By embodying a 'looking-onto' rather than 'being-with' orientation in the process of research makes the encounter sterile, palatable and benign; the nature of 'material' politics becomes reduced to a picturing a collage of materials observed, not felt. The vitality and life of things thus become framed, reflected and filmic; a negation of networked meanings, values situated in a political world, with political grammars and aesthetics. This result of mirroring, mapping and reflecting materialities as found objects risks the loss of remembering the genealogies of doing the material. There is an embracing of the tools of deadening matter, of killing the vitality of objects, things, artefacts through sticking to the surface, unsituated and unsullied by matters' own dynamic presence, decomposition and violation.

BIBLIOGRAPHY

Abrahamsson, S and Simpson, P (2011) The Limits of the Body: Boundaries, Capacities, Thresholds. *Social and Cultural Geography* 12(4): 331-338.

Adorno T, (1973) *Negative Dialectics*. Translation E.B. Ashton. New York: Continuum.

Adey P N, Anderson, B. Lobo-Guerrero, L. (2012) An Ash Cloud, Airspace and Environmental Threat. *Transactions of the Institute of British Geographers*. Early view on-line publication.

Anderson B, (2011a) 'Population and Affective Perception: Biopolitics and Anticipatory Action in US Counterinsurgency Doctrine' *Antipode* 43(2): 205-236.

Anderson B, (2011b) Affect and Biopower: Towards a Politics of Life. *Transactions of the Institute of British Geographers*. Early view on-line publication.

Anderson B, and Tolia-Kelly DP, (2004) Matter(s) in Social and Cultural Geography. *Geoforum* 35(6): 669-74.

Anderson B, & Wylie J, (2009) 'On Geography and Materiality'. *Environment and Planning A*. 41:318-335.

Ash J, (2010) Teleplastic technologies: Charting practices of oriental navigation in videogaming *Transactions of the Institute of British Geographers*.35(3): 414-430.

Barker K, (2010) Biosecure Citizenship: Politicising Symbolic associations and the construction of biological threats. *Transactions of the Institute of British Geographers*. 35(3):350-363.

Bennett J, (forthcoming) 'Vibrant Matters' *Dialogues in Human Geography* (with Ben Anderson, Bruce Braun, Nicky Gregson, and Steve Hinchcliffe.)

Bester O, Horton J, Adey P, Kraftl P, (2011) Claiming Events of School Redesign: Materialising the promise of Building schools for the Future *Social and Cultural Geography* 12(1): 9-26.

Bennett J, (2010) *Vibrant Matter: a political ecology of things*. Durham and London: Duke University Press.

Bonnett A, (2010) *Left in the Past: Radicalism and the Politics of Nostalgia*. New York: Continuum Publishing Corporation

Burrell K, (2011) The enchantment of western things: children's material encounters in late socialist Poland. 36(11):143-156

Capriotti F, and Kaika M, (2008) Producing the Ideal Fascist Landscape: Nature, Materiality and the Cinematic Representation of Land Reclamation in the Pontine Marshes. *Social and Cultural Geography* 9(6):613-34

Cook I J, and Harrison M, (2003) Cross over food: re-materialising postcolonial geographies. *Transactions of the Institute of British Geographers*. 28(3): 296-317

Cook I J, (2004) Follow the Thing: Papaya *Antipode*. 36:4 642-664

Cook I J, (2006) Geographies of Food: Following. *Progress in Human Geography* 30 (5): 655-666

Cook, I J, Tolia-Kelly DP, (2010). Material geographies in Hicks D, Beaudry M (eds.) *Oxford Handbook of Material Culture Studies*, Oxford: Oxford University Press

Clark N, (2007) Living through the tsunami: Vulnerability and generosity on a volatile earth. *Geoforum* 38(6): 1127-1139

Clark N, Massey D, and Sarre P, (2008) *Material Geographies: a world in the making* Open University, Sage: Oxford.

Cloke P, and Pawson E, (2008) Memorial Trees and Treescape Memories *Environment and Planning D: Society and Space* 26(2): 107-122

Crang M and Tolia-Kelly DP, (2010) Nation, Race and Affect: Senses and Sensibilities at National Heritage Sites *Environment and Planning A* 42(10): 2315-2331

Daniels S, (2011) Geographical Imagination *Transactions of the Institute of British Geographers* 36:2: 182-87

Davies A R, (2011) Geography and the matter of waste Mobilities. *Transactions of the Institute of British Geographers* 35(3) on line early view publication (16th August 2011)

Daya S,(2010) Eating, Serving and Self-Realisation: food and modern identities in contemporary Indian Women's Writing. *Social and Cultural Geography* 11(5):475-489.

DeSilvey C, (2010) Memory in Motion: Soundings from a Milltown in Montana. *Social and Cultural Geography* 11(5):491-510

Edensor T, (2011) 'Entangled agencies, material networks and repair in a building assemblage: the mutable stone of St Ann's Church, Manchester' 36(2): 238-252

Fish R, (2007) (ed) *Cinematic Geographies* Manchester University Press; Manchester, UK

Gibson-Graham, J.K. (2011) 'A feminist project of belonging for the Anthropocene' *Gender, Place and Culture* 18(1): 1-21

Gregson N, and Crang M, (2010) Editorial in Themed Issue: 'Thinking Waste and Matter: from end of pipe materialising economy' *Environment and Planning A* 42 (5):1023-1026

Gregson N, Watkins H, and Calestani M, (2010) Inextinguishable Fires: demolition and the vital materialisms of asbestos *Environment and Planning A* 42(5):1065-1083

Gorman-Murray A, (2011) 'This is disco-wonderland!: Gender, Sexuality and the Limits of Gay domesticity on the Block' *Social and Cultural Geography* 12(5):435-453.

Harvey D, (2010) Broad Down, Devon: archaeological and other stories. *Journal of Material Culture* 15(3): 345-367

Hawkins H,(2010) Visions of Excess: Michael Landy's Breakdown and the work of George Bataille' *Angelaki* 15(2):19-37.

Hawkins H, (2011) Richard Wentworth's Geographical Imagination. *Social and Cultural Geography* 11(8): 805-827.

Heatherington K, and R, Munro (eds) (1997) *Ideas of difference: social spaces and the labour of division* Oxford: Blackwell

Hicks D, and Beaudry, M. (2010) (eds.) *Oxford Handbook of Material Culture Studies*, Oxford: Oxford University Press

Hillman M, and Instone L, (2010) Legislating Nature for biodiversity offsets in New South Wales, Australia. *Social and Cultural Geography* 11(5):411-431

Hitchings R, (2003) Plants and Performance: On Actor Network Theory and the material pleasures of the private garden. *Social and Cultural Geography* 4(1): 99-114.

Horton H,(2010) 'The Best ever!': How childrens popular culture matters *Social and Cultural Geography* 11(4): 377-398

Jackson P, (2000) 'Rematerialising Cultural Geography' *Social and Cultural Geography* 1(1): 9-14.

Jacobs J M, (2006) A Geography of Big Things *Cultural Geographies* 13(1):1-27.

Jacobs, J. M. (2011) The Civilising Building: Towards a geography of maintenance Work *Social and Cultural Geography* 12(3) On-line publication Aug 2011

Jacobs J, and Merriman P, (2011) Practicing Architecture (special Issue) *Social and Cultural Geography* 12(3):211-222

Jayne M, Valentine G, and Holloway, S. L. (2010) Emotional, embodied and affective geographies of alcohol, drinking and drunkenness. *Environment and Planning A* 35(3): 449–462

Kearnes M B, (2003) The Rhetorical deployment physicality? *Social and cultural geography* 4 (2). pp. 139-152.

Lees L, and Baxter R, (2011) A 'building event' of fear: thinking through the geographies of architecture of human experience of buildings. *Social and Cultural Geography* 12(2): 107-122

Lorimer J, (2010) Elephants as companion species: the lively biogeographies of Asian elephant conservation in Sri Lanka. *Transactions of the Institute of British Geographers* 35 (4): 491-506.

McLloyd J, (2011) 'Peace is our only Shelter': Questioning Domesticities of Militarisation and White Privilege. *Antipode* 43(4): 848-873

Middleton J, (2010) Sense and the City: Exploring the Embodied Geography of Urban Walking *Social and Cultural Geography* 11(6): 575-596.

Miller D, (1998) (Ed.) *Material Cultures: Why some things matter*. Chicago: Chicago University Press

Millington G, (2005) Meaning Materials and Melancholia: Understanding the Palace Hotel 6(4) p531-549

Nayak A, (2010) Race, Affect and Emotion: Young people, racism, and graffiti in postcolonial English Suburbs *Environment and Planning A* 42 (10): 2370-2392

Phillips R, (2010) The Impact Agenda and Geographies of Curiosity. *Transactions of the Institute of British Geographers*. 35(4): 447-452.

Pratt A C, (2007) 'Back of camera activities, political economies of film-making' in Fish (ed) *Cinematic Geographies* Manchester University Press; Manchester, UK.

- Rantisi NM, and Lisle D, (2010) Materiality and Creative Production: The Case of Mile End Neighbourhood in Montreal *Environment and Planning A* 42(12):2824-2841.
- Rose G, Degen M, and Basdas B, (2010) More on 'Big Things': Building events and feelings. *Transactions of the Institute of British Geographers* 35(3): 334-349
- Rose G, and Tolia-Kelly DP, (2011 In press) *Visuality/Materiality*. Farnham: Ashgate.
- Rose M, (2011) Secular Materialism *Journal of Material Culture* 16(2): 2107-129
- Shurbin S, (2011) Where can a Gypsy stop? *Antipode* 43(2):494-524
- Singham DJ, (2010) Building Heteronormativity: the social and material construction of men's public toilets as space of heterosexuality *Environment and Planning A* 42(1):304-25
- Slocum R (2008) Thinking Race through Corporeal Feminist Theory: Divisions and intimacy at Minneapolis Farmers Market. *Social and Cultural Geography* 9:849-69.
- Streebel I, (2011) The Living Building: towards a geography of maintenance work. *Social and Cultural Geography* 12(3): 243-262.
- Stewart K, (2011) Atmospheric Attunements. *Environment and Planning D* 29(3): 445-453
- Swanton D, (2010) Sorting Bodies: race, affect, and everyday multiculturalism in a milltown in Northern England *Environment and Planning A* 42 (10): 2332-2350
- Tolia-Kelly D P, (2011) Narrating the Postcolonial Landscape: Archaeologies of Race at Hadrian's Wall. *Transactions of the Institute of British Geographers* 36(1):71-88
- Tolia-Kelly DP, and Crang M, (2010) Editorial: Affect, Race and Identities *Environment and Planning A* 42 (10):2309-2314
- Waitt G, and Gorman-Murray A,(2011)' "It's about time you came out": Sexualities, Mobilities and Home' *Antipode* 43(4):1308-1402

Williams A, (2010) Reconceptualising spaces of the air: performing the multiple spatialities of UK military airspaces. *Transactions of the Institute of British Geographers* 36(2):253-267.

Williams R, (1958) *Culture and Society*. London: Chatto and Windus.

Williams R, (1973) *The Country and the City*. London: Chatto and Windus.

Williams S, (2010) On islands, insularity, and Opium Poppies: Australia's secret pharmacy
Environment and Planning D: Society and Space 28(2):290-310

Wilford J, (2008) Out of Rubble: Natural Disaster and the Materiality of the House *Environment and Planning D: Society and Space* 26(4):647-662 .

Wilson M W, (2011) 'Framing the Eye': Formation of the Geocoding subject' *Social and Cultural Geography* 12(4):357-376.

Yamanouchi Y, (2010) Exploring Ambiguity: Aboriginal identity in South Western Sydney *Environment and Planning A* 42 (2): 285-299.