The engagement of Indigenous Australians in economic activity is a matter of long-standing public concern and debate. Jon Altman has been intellectually engaged with indigenous economic activity for almost 40 years, most prominently through his elaboration of the concept of the hybrid economy, and most recently through his sustained and trenchant critique of policy. He has inspired others to also engage with these important issues, both through his writing and through his position as the foundation Director of The Australian National University's Centre for Aboriginal Economic Policy Research from 1990 to 2010.

The year 2014 saw both Jon's 60th birthday and his retirement from CAEPR. This collection of essays marks those events. Contributors include long standing colleagues from the disciplines of economics, anthropology and politics science, and younger scholars who have been inspired by Jon's approach in developing their own research projects. All point to the complexity as well as the importance of engaging with indigenous economic activity — conceptually, empirically and as a strategic concern for public policy.
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From public policy to pure anthropology: A genealogy of the idea of the hybrid economy

Chris Gregory

The argument

I have carried out fieldwork with Aboriginal people in Papua New Guinea, Fiji and India and it is from this comparative perspective that I cast my critical eye over Jon Altman’s concept of the hybrid economy. My title is a double twist on a critique Jon wrote of Nic Peterson’s notion of demand sharing [Altman 2011a]. My critique is offered in the same spirit: to critique Jon’s ideas, not to celebrate or denigrate him as a person. I make three points.

First, pure anthropology must precede public policy. Description must precede prescription. When the issue concerns an economic policy, this means that study of comparative ethnography, economy history, and historical geography must come first. Such is the approach of 19th-century political economy and 20th-century economic anthropology. Mainstream economics does not share this assumption. Their free market policies come first; their abstract ahistorical theories provide the justification for policies of this kind. Jon is actively engaged in policy whereas I am not but we are in agreement when it comes to
the primacy of pure anthropology. We both agree that pure economic anthropology provides a radical empirical critique of the conventional wisdom that informs mainstream economics.

Second, pure anthropology must be theoretically informed. Again, we agree, but it is the specificity of Jon's notion of the hybrid economy that I question. Jon's theory was inspired by Yang's (Yang 2000) but that I question. Jon's theory is 'radically different' to Yang's because fiscal transfers from the state loom large in Australia. This argument was true prior to 1996 but is no longer true today. Development policy has undergone a revolution: incentives in the form of fiscal transfers have become the norm (Ballard 2012). Jon's conceptual framework is, therefore, completely general and is one offspring in a long line of thinking about the idea of the economy. Yang's 2000 articulation theory of economic hybridity is a critique of 1970s articulation theory; articulation theory, in turn, was a critique of 1960s tribal economy which abstracted from the historical fact of colonisation; tribal economy, in turn, was a critique of earlier political economy, a Eurocentric theory that universalised commodity exchange, and so on. If fiscal transfers no longer define the specificity of economic hybridity in Australia then what are the defining characteristics of the Australian case? This is an extremely difficult empirical question which I will not attempt to address in this short essay.

This brings me to my third point. Jon, like most anthropologists, is wary of binary thinking. Indeed, he sees his conception of economic hybridity as a means of transcending 'false binaries'. But binary thinking is absolutely essential to good conceptual thought. The binaries in Jon's conception of hybridity are loose and incomplete. Logical errors can sometimes be fatal for a theory but in this happy case, they are not. My critique of Jon's conceptual framework makes it more rigorous. This essay, then, will endeavour to tighten Jon's binaries and to identify an important missing category in his analysis.

A critique of Altman's concept of economic hybridity

Jon's (Altman 2001) theory began with a simple list. He distinguishes three 'conceptual sectors'—state, customary, market—and four 'cross-cutting cleavages' between these three sectors whose 'linkages and interdependencies' define the 'nature of hybridity'. Thus we have seven items in the list:

1. State
2. Customary
3. Market
4. State and customary
5. State and market
6. Customary and market
7. State and customary and market.

In 2005 the seven items in the list is reformulated as a Venn diagram (Altman 2005). This is shown as V1 in Fig. 3.1. This Venn diagram goes through another eight variations over the next six years. These are shown as V2 to V9 in Fig. 3.1. All nine variations contain minor logical and conceptual problems of one kind or another. The only constant is the numbering from 1 to 7 but to the extent that this numbering refers to the seven items in the list it is a mis-specification. From the point of view of strict binary logic, there are three sectors and eight segments, 11 categories in total. This poses the crucial question of the socioeconomic interpretation of the 11 categories and, in particular, of the eighth segment shown in V1 as mere decorative background.

V1 poses other questions: Does the larger relative size of the state circle have any significance? Is it supposed to represent the idea that this sector is dominant in some sense? Before we try to answer these questions it is necessary to look at the other variations.
V2 (Altman et al. 2006) is a minor variation on V1. It is in colour rather than greyscale and the decorative background has been removed. Note that the colouring does not conform to the logic of hybrid colour. For example, blue and red give purple not dark red. V3 (Altman 2006) is a colour version of V1 but with one crucial difference of great logical significance: the decorative background has a border. This poses, once again, the central question of the socioeconomic significance of the bounded space outside the circles. V4 (Altman & Branchut 2008) is a new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles, the new variant. The border is preserved but the size of the circles

V5 (Altman 2009) is another significant variation. Segment 7 loses its dominant relative size and the greyscale colouring harmonises with the logic of hybridity: the greater the mix, the darker the grey. But grey is a hybrid mixture of black and white. What interpretation should we give to the unnumbered white segment? Where is the black? V6 (Altman, Biddle et al. 2009) is V4 without the boundary. V7 (Altman, Jordan et al. 2009) is the only one that uses primary colours for the three primary sectors. This is an important innovation. Blue plus yellow is green as shown but thereafter things go wrong. Red plus yellow is orange, not pink. V8 (Altman & May 2010) is a greyscale version of V5 with the boundary removed and along with it the unnumbered white segment. V9 (Altman 2011b) returns us to V3 without the decorative filler. The restoration of the boundary reposes the central question of the interpretative significance of the bounded outside segment.

When the nine variations are considered as a whole it can be seen that the only constant is the numbering of the segments from 1 to 7. The shape and colouring of the segments varies as the diameter and relative positioning of the circles changes. Note, too, that the diagrams are either in colour or greyscale—none are in straight black and white.

**The pure logic of hybridity: Binary logic versus colourful logic**

What interpretations should we give to these variations? Strict binary logic can help us answer this. Our authority should be none other than John Venn (1894) of Venn diagram fame. He developed his diagrams to give geometrical form to Boole's (1854) binary logic which was expressed in difficult-to-grasp algebraic form.

My V10 (see Fig. 3.2) gets to the heart of the matter in black and white: three sectors, X, Y, Z, and eight segments. This is the logic of hybridity in its pure Boolean form.
Fig. 3.2 The ‘true’ binary logic of the hybrid economy in black and white (V10)
Source: Author's depiction

We can use coloured circles to represent the three sectors as shown in V11 (in Fig. 3.3) but this clearly does not change the fact that three overlapping circles create eight logical segments. The three coloured circles and the eight segments remind us that 11 interpretable categories are at stake here.

Filling in the three circles with the three primary colours introduces the logic of colour. This complicates things because it introduces more interpretative possibilities. It has the advantage that it provides a logically rigorous non-biological conception of hybridity. When a yellow pigment is mixed, firstly, with blue it gives green (segment 4) and, secondly, with red it gives orange (segment 5). When blue is mixed with red it gives purple (segment 6). When all three colours are mixed they give black (segment 7) which represents the presence of colour; white, the absence of colour, defines segment 8. The non-overlapping primary colours give the segments 1, 2 and 3 as shown in Fig. 3.4.

Fig. 3.3 The ‘true’ binary logic of the hybrid economy showing distinction between the eight bounded white segments and the three coloured sectors (V11)
Source: Author's depiction

Fig. 3.4 The ‘true’ binary logic of the hybrid economy showing how the ‘true’ logic of primary colours creates eight coloured segments
Source: Author's depiction
Two questions are posed: (a) What interpretation can be given to the segments and the ‘missing’ eighth segment in particular? (b) How should we interpret the relationship between the three sectors in the context of the ‘demand sharing’ phenomenon (Peterson 1993) within the domestic moral economy where marriages of both intra-cultural and inter-cultural kinds are of great importance (Peterson & Taylor 2003)?

It hardly needs to be said that this missing category from Jon’s analysis is of profound importance. Their existence raises the question of how they survive. For Nic Peterson the answer is to be found in the phenomenon of ‘demand sharing’ (Peterson 1993) within the domestic moral economy where marriages of both intra-cultural and inter-cultural kinds are of great importance (Peterson & Taylor 2003).

If Jon’s Venn diagram representation of the concept of the hybrid economy leaves him open to the charge that he focuses on production to the exclusion of exchange and distribution, then Peterson’s notion of the domestic moral economy leaves him open to the charge that he focuses on exchange to the exclusion of production. Clearly both perspectives are needed. We also need to add consumption to the mix.

Jon knows this very well of course. His book (Altman 1987) carefully and meticulously articulates the empirical interrelationships between the spheres of production, consumption, distribution and exchange; the chapters in our joint book on methods (Gregory & Altman 1989) does the same, thanks, I must say, to Jon’s rightful insistence.

Some people call people in the eighth segment ‘bludgers’. Guy Standing (2014) calls these people, and others like them whose income is insecure, members of the precariat. His recent book, The precariat: the new dangerous class, does not refer to Jon’s work but it could have because Standing’s sectoral analysis can be seen as the latest offspring in a lineage of which hybridity is a part. Standing distinguishes six
sectors which can be reduced to Altman’s three sectors. Given that the family, the market and the state are the three major institutions of modern economic life, this is hardly surprising. Altman’s ‘customary sector’ is just another name for ‘family’ considered in its broadest sense. Gleaning, another word for foraging, has long been a ‘customary’ feature of marginal families in hybrid economies in Europe.

**Interpretation of the three sectors**

Jon, as we have noted, sometimes conflates the three primary sectors with the three non-overlapping segments numbered 1, 2 and 3. But, as the coloured circles in V11 show (see Fig. 3.3), the three sectors each consists of four segments: sector X, for example, is the sum of segments 1, 4, 5 and 7. In other words, when talking of the three primary sectors we must refer to the areas of the three circles. When these are represented by the primary colours two things can happen: First, the colours can mix and we have the binary logic of hybridity. Another interpretative possibility is that they don’t mix, that one or that of the other dominates the rest and comes out on top as it were. This analogy takes us from the logic of economic hybridity to that of the general logic of political power—the relations of domination and subordination—and of historically contingent relations between coercion/resistance and persuasion/collaboration. Guha has creatively used colourfull logic of this kind in his analysis of peasant insurgency in colonial India (Guha 1983, 1989).

Let us see how it might apply to data Jon has collected on the relative importance of the three sectors over time. Jon’s PhD fieldwork has enabled him to present a ‘snapshot’ picture of the Mumeka economy, as he observed that the customary sector was dominant in 1979–80, because it accounted for 64 per cent of total income earned in the community, compared with 26 per cent for the state and 10 per cent for the market.

1. "The composition of social income can be broken into six elements. The first is self-production, the food, goods and services produced directly, whether consumed, bartered or sold, including what one might grow in a garden or household plot. Second, there is the money wage or the money income received from labour. Third, there is the value of support provided, whether by the family or local community, often in the form of informal mutual insurance claims. Fourth, there are enterprise benefits that are provided to many groups of employees. Fifth, there are state benefits, including social insurance benefits, social assistance, discretionary transfers, subsidies paid directly or through employers, and subsidised social services. Finally, there are private benefits derived from savings and investments. Each of these must be subdivided into forms that are more or less secure or assured, and which determine their full value" (Standing 2014: 11).

**3. FROM PUBLIC POLICY TO PURE ANTHROPLOGY**

Subsequent fieldwork in 2003, albeit from a much shorter time, revealed that the state sector had become dominant providing 57 per cent of all income; the relative importance of the customary sector fell by half to 32 per cent while the market sector remained virtually unchanged at 11 per cent (Altman 2009: 329). Jon does not express this in a Venn diagram form for the simple reason that we move from a concern with economic hybridity of segments at a point in time to the relative politico-economic dominance of the three sectors over time. Fig. 3.6 gives a visual representation of these historical changes.

<table>
<thead>
<tr>
<th></th>
<th>1979</th>
<th>2003</th>
</tr>
</thead>
<tbody>
<tr>
<td>State</td>
<td>26%</td>
<td>57%</td>
</tr>
<tr>
<td>Customary</td>
<td>64%</td>
<td>32%</td>
</tr>
<tr>
<td>Market</td>
<td>10%</td>
<td>11%</td>
</tr>
</tbody>
</table>

**Fig. 3.6 Interpretation of the three sectors using data on their changing relative importance over time**

Source: Author’s depiction

Fig. 3.6 looks like a Venn diagram but it is not a ‘true’ Boolean binary version. It is not a ‘false’ binary model either. It is a visual representation of political power, of relative domination and subordination. This is altogether different mongrel.

**Conclusion**

Jon’s model of the hybrid economy is a completely general one in the cross-mainstream tradition of political economy. It is a conceptual framework rather a theory in the sense that it generates questions.
to guide data collection during fieldwork. It is empirical data of this kind, when seen in comparative context, which reveals the specificity of the Australian case. Hybrivity is a notion that can be seen in biological or purely logical terms. Jon’s notion of hybrivity is logical rather than biological but it contains a number of minor logical errors. Venn diagrams are visual representations of Boole’s zero/one binary logic. The strict application of this logic defines eight logical spaces, not seven as Jon’s diagram shows. Hybrivity is best represented by the logic of colour: but Jon’s use of colour obscures rather than clarifies the logic of colour in his the logic of hybrivity. My identification of these logical errors in his model are not fatal; to the contrary, they improve the model and reveal how the logic of primary and secondary colours can help us think about changing relations of domination and subordination over time.

References


ENGAGING INDIGENOUS ECONOMY


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Cultural domains and the theory of customary environmentalism in Indigenous Australia

Kim de Rijke, Richard Martin and David Trigger

Introduction

Under the long-term leadership of Professor Jon Altman, the Centre for Aboriginal Economic Policy Research (CAEPR) at The Australian National University has had an impressive publication output. The Centre has consistently focused on the important but challenging intersection of academic research and policy development relevant to Indigenous people in Australia. This paper engages with some of the intellectual concepts employed in the Centre’s recent work, concentrating particularly on the volume edited by Jon Altman and Sian Kerins (2012) *People on country: vital landscapes, Indigenous futures*. The book promotes one of CAEPR’s key pieces of recent policy advice: that Indigenous involvement in environmental work through ranger programs promotes improved environmental health as well as healthier human lifestyles, while bringing alternate forms of economic development for regional- and remote-living Indigenous people.

We offer some points of discussion to inform a respectful but robust debate about this proposition. Firstly, we focus on the scope of the research upon which some of the conclusions by Altman, Kerins,