

## **Academic life: Commodification, continuity, collegiality, confusion and the Performance Based Research Fund**

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### **Abstract**

Duncan (2007) (after Lyotard, 1984) suggests the Performance Based Research Fund (PBRF) will intensify and commodify academic work in New Zealand. He –no doubt unintentionally- provides a semiotic inflection of what Burawoy (1979) explored as the myth of the despotic regime of production. This article draws differing conclusions to Duncan: it focuses on practices of the PBRF and its diverse impacts. The article draws on earlier work (Curtis & Matthewman, 2005) which suggested high levels of concern among New Zealand academics about the PBRF. However after two Quality Evaluations (2003 and 2006) that assessed the research performance of individuals and institutions in order to allocate the PBRF, it is apparent that the new fund provides both opportunities and dilemmas to the management and academic staff of universities. The PBRF delivers mixed messages to managers and academic alike and one result is that forms of collegiality, in particular those that benefit the professoriate, seem likely to endure for the foreseeable future.

### **Introduction**

“The New Zealand government has enthusiastically embraced the utilitarian discourse of the knowledge economy and has applied it to its shaping of higher education institutions. The PBRF is a critical component of this overall financial-administrative model. The effects of this, viewed in terms of academic freedom, have been to undermine the professional autonomy of academic staff and the values of independent critical inquiry. There has been little resistance to this from the academic community, partly due to their concerns about securing funding, and partly due to personal anxieties about ‘performance’. Indeed, many academics now perform research ‘because of’ the new funding system – whereas funding used to exist as a prior condition for the conduct of research. In short, the PBRF has had a pernicious effect on academic life and intellectual independence, and university managers and academic staff have permitted, if not encouraged, these changes to occur.” (Duncan, 2007:1)

Duncan’s paper on the role of the Performance-Based Research Fund (PBRF) and academic freedom is a neat conceptual twinning of ‘performance’ in terms of the fund and of Lyotard’s performativity (Lyotard, 1984). Duncan, like Roberts (1998) previously, looks to Lyotard for explanation of the impact of neoliberal language games on higher education. Whereas Roberts saw possibilities for resistance by academics, Duncan sees

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collaboration. Duncan paints a grim picture in which academic professional power is displaced by a 'regime of performance management' and teaching and research is commodified. Indeed Duncan argues that the PBRF and the Tertiary Education Strategy breaches, at least in spirit, Section 161 of the Education Act guaranteeing academic freedom because of its stated intention to align university activities with Government goals (Ministry of Education, 2003, 2005).

Duncan is engaged in a polemic and while his concerns about the commodification of teaching and research, including the role of the PBRF, express a potential scholarly zeitgeist his lack of attention to institutional and sectoral contexts undermine his argument. Although Duncan identifies a sense of angst –verified at least among academics within the humanities and social sciences (Curtis, 2008; Curtis & Matthewman, 2005; Phibbs & Curtis, 2006) – this needs to be explored in more detail.

This article seeks to contextualize the concerns raised by Duncan and has the more modest aim of exploring issues of methodology. The focus is the practices of the PBRF and its associated Quality Evaluations, including institutionalized forms of gaming (Burawoy, 1979). Rather than a regime of performance management the practice of the PBRF is more messy and less unidirectional. While a commodification of academic life is stimulated this new development coexists with longstanding practices. Continuity, collegiality and confusion are revealed as important aspects of academic life in New Zealand

### **Commodification, Gaming and Market failure?**

The PBRF was distributed to institutions of higher education on the basis of the results of Quality Evaluations (Tertiary Education Commission, 2004a). All New Zealand universities took part in both 2003 and 2006 evaluations. The methodology of the Quality Evaluations has been discussed elsewhere (Web Research, 2004) and only the essential elements need be recapped.

The Quality Evaluation involved three components. Institutional Quality Scores were used to distribute sixty percent of the PBRF. Individual staff were rated by expert multidisciplinary panels and received a Quality Score on their research output (for example, A = 10, B = 6, C = 1, R = 0). The exercise was compulsory for all eligible staff employed at the universities (and other institutions of higher education) that sought funding under the PBRF. Institutional Quality Scores are an overall rating calculated by the average grade of an institution's fulltime equivalent (FTE) staff. The balance of the PBRF was distributed by two other components. Research Degree Completions, worth twenty-five percent of the fund, is an institutional quantum of the numbers and types of finished graduate degrees. External Research Income, worth fifteen percent of the fund, is a similar measure of funding. These latter components are updated annually by institutional reporting to the Tertiary Education Commission (TEC). The individual and institutional Quality Score are completely supposed to be calculated on a six yearly cycle. However, the 2006 Quality Evaluation was a partial round in which TEC only required new staff and existing staff seeking an improvement to their 2006 Quality Score to

participate. Decisions about which existing staff might improve their rating was left to the senior management of universities. More than half of all eligible staff employed at the time of the evaluation received a Quality Score (in other words, the partial round was dominated by universities seeking re-grades for their staff).

In the months following the announcement of the results of the 2006 Quality Evaluation considerable media and academic attention was paid to the success of Otago University in its rating success (for example, Otago's Quality Score edged Auckland by 0.04) rather than the actual bulk-funding effects (for example, Otago secured \$48 million compared to Auckland \$69 million). Tables 1a and b shows the ranking of institutional Quality Scores for the eight New Zealand universities and compares the results of the 2003 and 2006 Quality Evaluations (Tertiary Education Commission, 2004b, 2007b).

**TABLE 1a. Ranking of Universities for 2003**

<b>Rank</b>	<b>University</b>	<b>FTE-weighted Institutional Quality Score</b>
<b>2003</b>		
1	University of Auckland	3.96
2	University of Canterbury	3.83
3	Victoria University of Wellington	3.39
4	University of Otago	3.23
5	University of Waikato	2.98
6	Lincoln University	2.56
7	Massey University	2.11
11*	Auckland University of Technology	0.77

(Source: Tertiary Education Commission, 2004a: 11)

\*Three bible colleges were ranked 8th, 9th, 10th overall

**TABLE 1b. Ranking of Universities for 2006**

<b>Rank</b>	<b>University</b>	<b>FTE-weighted Institutional Quality Score</b>
<b>2006</b>		
1	University of Otago	4.23
2	University of Auckland	4.19
3	University of Canterbury	4.10
4	Victoria University of Wellington	3.83
5	University of Waikato	3.73
6	Massey University	3.06
7	Lincoln University	2.96
8	Auckland University of Technology	1.86

(Source: Tertiary Education Commission, 2007b: 53)

This emphasis on Quality Scores reflects one success of the PBRF (at least from the perspective of government and policymakers) in that the fund has displaced popular and academic perceptions about a crisis in funding of universities with more diffuse concerns about a crisis in research. The extent to which this shift owes more to PR than analysis is unclear. It is hoped that a follow-up survey to Curtis and Matthewman (2005) might provide some illumination.

In 2007 funding allocated by the three components in the 2006 Quality Evaluation was about \$230 million. The universities secured 97.43% of the PBRF; twenty-three other institutions the rest. The PBRF is estimated to now provide around one-fifth of government funding to universities (the bulk of the balance deriving from funding for equivalent fulltime students (EFTS)) (Scott & Scott, 2005). The PBRF has become a key component of university financing both in the sense of its bulk-funding arrangements and in terms of its reputational benefits and their putative multiplier effects. Table 2 shows the relative shares of the PBRF.

**TABLE 2. Component shares of PBRF in 2003 and 2006**

Institution	2003		2006	
	FTE Staff	Total PBRF	FTE Staff	Total PBRF
Auckland	19%	29%	18%	30%
Otago	16%	22%	14%	21%
Massey	16%	14%	14%	15%
Canterbury	8%	12%	8%	10%
Victoria	8%	9%	9%	9%
Waikato	7%	7%	6%	6%
Lincoln	3%	3%	3%	3%
AUT	8%	2%	5%	2%
Others	15%	2%	24%	2%

(Source: Tertiary Education Commission, 2004b: 71-74; 2007b: 73).

However, Duncan (2007) is spot on in his assessment that actions on the part of senior management at a number of universities have rendered pointless fine-grained comparisons of Quality Scores between the 2003 and 2006 Quality Evaluations. The capacity of senior managers to game the PBRF in terms of the eligibility of academic staff and by constituting the Nominated Academic Units (for example, Departments, Schools, Faculties) that are assessed as sub-divisions of each institute of higher education is discussed elsewhere (Curtis, 2008; Curtis & Matthewman, 2005).

Most significantly, in response to the 2003 Quality Evaluation considerable institutional effort went into removing existing R-rated (research inactive) staff from the Quality Evaluation of 2006. Vance, Alexander and Sandhu (2007) demonstrate the extent to which four of the eight universities (Massey, Otago, Waikato, AUT) gamed the PBRF by removing research inactive staff from eligibility (it would appear by rewriting their

employment contracts). In these cases the benefits accruing to the universities concerned from hiring new, research active, staff or through improvements in the Quality Score of existing staff were swamped by a factor of at least 2:1 by the benefits of making research inactive staff ineligible. This gaming around eligible staff accounted for all the changes in the ranking of institutional Quality Scores (see Table 1). An initial response on the part of the CEO of the Tertiary Education Commission (TEC) to the effect that this simply represented a correction to the census of staff undertaken in the 2003 Quality Evaluation (Curtis, notes 26/06/2007) must surely further throw into doubt the validity of the initial staff census approved by TEC (Curtis, 2008; Curtis & Matthewman, 2005, Web Research, 2005).

The PBRF remains –as it was formally designed– a central instrument for the bulk-funding of institutions of higher education, albeit to the advantage of universities (Curtis & Matthewman, 2005). It is worth noting that gaming in various forms is built into its methodology. Thus representatives from the polytechnic sector at a recent post-PBRF seminar confirmed that their institutions were prepared to suffer the compliance costs of participating in the Quality Evaluations because of the threat from TEC that other, non research, forms of funding were contingent on their involvement (Curtis, notes 26/06/2007). For universities –the primary beneficiaries of the PBRF– the new arrangements discriminate between funding generated by research activities from historic funding categories generated in effect by teaching (i.e., various EFTS based formulae). Funding generated by the measure and the comparison of research outputs is a new funding category in higher education. It, particularly the Quality Score, now informs any future bulk-funding arrangements including modifications to the EFTS based approach (Tertiary Education Commission, 2007a).

Clearly the PBRF signals a potential for the commodification of academic life insofar as it creates a new product market (the funding of research outputs) within which universities must now operate and compete. The most important component of this market is the Quality Score (which accrues sixty percent of the PBRF) and in so doing valorises individual staff for their research *qua* research. Nevertheless Duncan somewhat misses the point about utilitarian policies. To wit: New Zealand governments embraced ‘utilitarian discourses’ several decades ago and have unwaveringly pursued neoliberalism ever since (Kelsey 2002). In this context the PBRF and projected changes to EFTS-based funding constitute a second generation in neoliberal policy that both extends the fixation with markets as policy instruments and tries to address the accumulating market failures of the first (Easton, 2002). Peck & Tickell (2002) classify this second and putatively creative phase as at ‘roll-out’ neoliberalism.

The first moment of neoliberal policy dates to changes to funding in the late 1980s. These created the EFTS-based approach and heralded a quasi-market in higher education. Teaching became a product market. Universities and other institutions of higher education were encouraged to compete for students across this product market (Easton, 2002). The 1989 *Review of Post-Compulsory Education and Training* (the Hawke Report) was the main marker of the realignment of higher education with a market-led ethos (Hawke, 1988). Accordingly the Ministry of Education developed generic funding

categories for degree (postgraduate and undergraduate) and sub-degree programmes, plus high and low cost courses, and simultaneously relaxed longstanding restrictions on the curriculum of the non-university sector (Hodder, 2003).

The institutions of higher education were constituted by EFTS-based funding as partially interchangeable providers of educational products. Clearly there were obvious barriers to this inter-changeability; for example the location of Schools of Engineering and of Medicine in only two universities in New Zealand. But outside these professional schools EFTS-based funding unquestionably fostered competition and nowhere more so than in the social science and creative curricula. This rivalry had some negative consequences for providers and students. While the development of an EFTS-based product market in higher education undoubtedly stimulated competition for students it has since been argued that this form of funding has encouraged a negative isomorphism -particularly the proliferation of low quality programmes and courses by institutions in search of student enrolments (see Ministry of Education, 2004). Such has been the level of popular and policy concern about the proliferation of low quality courses and degrees that the EFTS-based approach is now regarded as overly competitive and, most damningly, insensitive to quality and not linked to government efforts at building a 'knowledge economy' (M.A. Peters, 2001). In contrast the *Tertiary Education Strategy: 2002-2007* emphasizes the synergistic benefits of an educational hierarchy, at least when expressed as collaboration between the institutions of higher education and the differentiation of these institutions in terms of quality and capacity (Ministry of Education, 2003, 2005).

The PBRF is then an important moment in a modification of an existing market-led approach. In attempting to ameliorate a race to the bottom scenario in which curricula and standards declined as universities competed for students (and simultaneously lowered academic thresholds) the PBRF further commodifies academic life by providing a new potential income stream to universities. For academics, research is valorised by government funding in the same way that teaching is by EFTS-based funding. But whereas the value of teaching to an institution is relatively easy to capture in terms of staff/student ratios, the value of research calculated as the institutional quantum of individuals' Quality Scores and more broadly by all three components of Quality Evaluations, is far more complex.

Duncan (2007) joins a host of writers bemoaning the commodification of academic life and the tailoring of academic research to best suit funding arrangements. A number of these graft a Bravemanian concern with an academic labour process (Wilmott, 1995), class (Harvie, 2000), work degradation (Bryson, 2004; Yates 2001) and intensification (Chandler, Barry & Clark, 2002; Ogbonna & Harris, 2004) onto a discussion of academic life. The argument for commodification is at times compelling but it is also an overstatement insofar as it describes the PBRF. This is because of the methodology of the PBRF. In this respect the most convincing countervailing element to a straight commodification thesis is the -non-market- ways in which Quality Scores are derived, that is by expert panels and peer review.

## Continuity and Collegiality

The PBRF signals state oversight in funding allocations to the institutions of higher education on the basis of their research output (Tertiary Education Commission, 2004a, 2004b). This oversight is secured through the Quality Evaluation. At the same time the methodology of the PBRF reflects what an earlier generation of scholars called path dependency. The new research fund owes as much to the previous legislative arrangements as it does to any startling new vision of the future. Specifically, the PBRF expresses a longstanding statutory linkage of teaching and research activities in universities (Tertiary Education Commission, 2004a: 13). Hence, the Education Act (1989) [section 254] states that a degree 'is taught mainly by people engaged in research'. Duncan overlooks this component but the requirement for research activity on the part of academic staff engaged in degree teaching was certainly influential in establishing and resourcing the PBRF (Boston, 2005; M.C. Peters, 2001a, 2001b). The new fund was established through a simple diversion from EFTS-based funding (some of the monies paid to institutions of higher education for students was used to create the PBRF). The amount diverted to the PBRF represented the annual top-up paid to institutions of higher education for students enrolled in degree courses *vis-à-vis* sub-degree courses.

The PBRF does not increase government funding (Mallard, 2005) or even reverse historic declines in government funding as a proportion of university revenue (Scott & Scott, 2005). Scott and Scott demonstrate a clear decline in terms of real funding per EFTS, funding as a percentage of university operating revenues, and the ratio of EFTS to full-time equivalent (FTE) staff (see Curtis, 2008). The PBRF does however require universities and other institutions of higher education, and individual academics to engage in new forms of audit and (self)representation. Putting aside the extent to which the PBRF represents old wine in new bottles in terms of funding, the new fund can hardly be accused of the straightforward commodification of academic life. It has among other things stimulated an *ex post* rationalisation for research in higher education that emphasizes the function of teaching, albeit with some slippage from the Education Act:

“The purpose of conducting research in the tertiary education sector is twofold: to advance knowledge and understanding across all fields of human endeavour; and to ensure that learning, and especially research training at the postgraduate level, occurs in an environment characterised by vigorous and high-quality research activity.” (Tertiary Education Commission, 2004b: 1)

This positioning of research and teaching seems a far cry from the anticipated splitting of teaching from research roles that was a concern for New Zealand academics going into the PBRF (Curtis & Matthewman, 2005) and is an underlying assumption of some Australian writers (for instance, Marginson, 2006). Rather, it could be argued that, the PBRF provides some shelter for academics insofar as it reiterates the linkage of teaching and research. An emphasis on PBRF sanctioned activities – particularly those of a process nature (for example, building peer esteem) – might even provide academics limited scope for gaming line management (Curtis, 2006). This is not to deny that the PBRF and similar forms of evaluation are part of managerial rhetoric around the

intensification of academic work but to highlight the importance of institutional contexts and complexity.

More broadly, the key issue is how academic collegiality fares in the face of new managerial practices, which attempt to couple a bureaucratic concern with surveillance with market-like policy instruments. Beyond New Zealand the twinning of declining state funding and increased oversight, and an associated new managerialism leading to the playing out of heightened concerns with efficiency and economy has given rise to a host of gloomy pronouncements about the decline of universities and traditional scholarship (Becher & Trowler, 2001). Halsey (1992) led the charge in bemoaning the decline of collegiality but it is a serious mistake to underplay the contradictory aspects of collegiality as a start-point for analysis.

Bearing in mind that academic collegiality is based on range of hierarchies that operate primarily to secure the professoriate as well as a range of secondary or peripheral labour markets (Connell & Wood, 2002), there are at least three elements at play in New Zealand. First, the designers of the PBRF were concerned with the need for transparency and the extent to which collegiality might undermine this imperative. For example, the back room 'dealing' considered rife in the UK RAE (M.C. Peters 2001a: 14). This concern -which is predicated on a neoliberal misrepresentation of markets as allocative devices (Pusey, 1993)- is cited as the main reason for compulsion and individual Quality Scores for all eligible staff (Boston, 2004, 2005).

Second, there was considerable support for the development of the PBRF from senior management and academic staff alike in universities in the lead up to the 2003 Quality Evaluation (Barnes, 2004; Roberts, 2006), as well as from the union representing academic and general staff in universities (Association of University Staff, 2002). This early enthusiasm expressed a collective judgment that any funding exercise which assessed the quality of research across the institutions of higher education would inevitably do so to the benefit of the university sector (Curtis & Matthewman, 2005; Roberts, 2006). The recent reservations expressed by the Association of University Staff about the PBRF coincide with drive on the part of union leaders to merge with the Association of Staff in Tertiary Education (which covers the polytechnic sector).

Third, while the designers of the PBRF strived for transparency the methodology they developed is absolutely dependent on the practices of peer review, the bedrock of academic collegiality. Thus twelve multi-disciplinary panels constituted by the Tertiary Education Commission did the ratings of individual staff in 2003 and 2006. Each panel involved around 20 academics comprised from the professoriate and including at least one senior academic employed outside New Zealand and one expert in Maori knowledge (Tertiary Education Commission 2004b: 245-249, 2007b: 260-266).

The panels then rated individual staff by their Evidence Portfolios. The rating was across three dimensions: Nominated Research Outputs (Crothers, 2006), Contribution to Research Environment and Peer Esteem. These dimensions were weighted seventy percent, fifteen percent and fifteen percent respectively in calculating a numeric grade out



of 700. Individual academics were then rated A (600-700), B (400-599), C (200-399) or R (less than 200) (as was also noted above, the ratings of individual staff as A, B, C, R were valued at 10, 6, 2 and 0 respectively in the calculation of an institutional Quality Score). The practices used by the multi-disciplinary panels in generating Quality Scores have not been codified. The chair of the moderating panel, Professor Paul Callaghan, suggested that the margin of error for specific ratings of staff might be as high as twenty percent in 2003 (author's notes from *PBRF Forum*, Royal Society of New Zealand, 21 May, 2004). Therefore some speculation is required in lieu of guidelines. A best guess of the minima for C-rating includes the following outputs for the six year review period: four 'quality assured' publications, supervision of a number of graduate students and / or some external funding, involvement in national disciplinary organisations and / or service to the community. Such a minima is putatively realisable for academic staff who enjoy a research component to their employment and extremely difficult for staff in teaching-only positions (that is the vast majority of 'eligible' staff outside the university sector).

Nevertheless a telling measure of the collegial character of this peer review is how well the professoriate did *vis a vis* other academic ranks. Smart (2005) conducted a regression analysis of the 2003 Quality Evaluation results (for evaluated staff of professor, associate professor, senior lecturer and lecturer ranks). This amounted to about 70 percent of evaluated PBRF-eligible staff.

**TABLE 3. Dimensions of Quality Score by Academic Rank**

	Research Outputs	Peer Esteem	Contribution to Research Environment	Quality Score
Professor	5.4 / 7	5.4 / 7	5.1 / 7	534.4 / 700
Associate Professor	4.7 / 7	4.4 / 7	4.2 / 7	458.5 / 700
Senior Lecturer	3.5 / 7	3.0 / 7	2.9 / 7	335.1 / 700
Lecturer	2.8 / 7	2.1 / 7	1.9 / 7	253.8 / 700

(Source: Smart, 2005: 43)

Comparisons of average quality scores by discipline and by multidisciplinary panel suggest that typical hierarchies of academic life are replicated in New Zealand and captured (and reproduced by the PBRF). Thus Philosophy, Earth Science, Biomedical and Physics topped the subject-area rankings while hapless Nursing (Phibbs & Curtis, 2006), Design, Education (Smith, 2005) and Sport and Exercise Science were bottom. However the across the board success of the professoriate also points to the collegiality of the PBRF insofar as the methodology of the Quality Evaluations gives priority to the things professors do best (for example, research entrepreneurialism, lead authorships and international networking and publication in international journals). While the PBRF is an undoubted threat to non-research active staff and a definite spur to new, junior and mid-

ranking or just plain ambitious academics, it is primarily a validation of the professoriate and arguably the traditional or collegial status quo.

The continuity with prior forms of collegiality reflects that the methodology of the PBRF was at base designed by professors and administered by professors. As such the PBRF also signals a shift in concentration of responsibility (as distinct to authority) from the situation in which professors acted as Academic Heads to the proliferation of academically mid-ranked Heads of Department. The powers of professors as Heads were reputedly those of grace and favour, essentially the unequal distribution of academic work and rewards to staff. The PBRF-based / EFTS-based budget holding HoD operates in a far more transparent environment in which inequities are more difficult to sanction. Add to this the situation in which university-based HR deals almost exclusively with general staff and the PBRF might be said to add considerably to the pressures facing HoDs as middle-managers as budget holders without the right to hire or fire.

Further the extension of collegiality into PBRF practice –peer review- seems absent from the utilitarian / Marxian formulations. In this respect it is worth reiterating the sour note expressed by the Minister of Finance in the aftermath of the 2003 Quality Evaluation:

“The recent analysis for the Performance-Based Research Fund showed that New Zealand academics are world-class in areas such as philosophy and criminology; but we need to ensure that we are world class in biotechnology and the other disciplines that, in the medium to long-term, will pay the bills. It is time to shift the balance of our tertiary system towards more of an explicit industry-led approach.” (Cullen, 2004)

In other words –and in contrast to Duncan (2007) – the PBRF is regarded as insufficiently utilitarian in aligning academic practice with government goals for higher education.

### **Confusion: mixed messages**

The most significant change heralded by the PBRF is the surveillance of academic staff by their employers, the senior managers of universities. The ratings of individual staff are made available to each academic and to senior management within each institution. The extent to which these ratings are made available to line management (e.g. Head of Department, central HR) is determined at the institutional level. However the publication of results at the level of Nominated Academic Unit, and the disciplinary level, coupled with promotion rounds and rumour has ensured that most line managers and most academics know the rating (A, B, C or R) of their colleagues. It is tempting to suggest that the decision to individualise the PBRF speaks primarily to the desire of senior management in institutions of higher education to undertake surveillance and assessment of their staff. Such surveillance is undoubtedly attractive but the problem becomes what to do with the data?

The PBRF is a driver for changes in higher education in New Zealand analogous to those identified by Clark (1998), Marginson & Considine (2000), Slaughter & Leslie (1997) and Slaughter & Rhoades (2004) in particular, forms of commodification like the rise of the 'entrepreneurial university'. But the methodology developed for the PBRF (with the support of New Zealand Vice Chancellors and the active professoriate) has provided a surprisingly blunt instrument for university managers. Indeed the worrying comments from one Vice-Chancellor in the wake of the 2003 Quality Evaluation about the HR challenge and reworking academic life (Curtis & Matthewman, 2005; Walsh, 2004) now seem to be more bluster than strategic vision.

No clear set of policies or practices has yet emerged on how to manage academics in the context of the PBRF. Managerial theory seems to have outstripped practice. For example, Clark (1998) has long since identified the dimensions of successful, entrepreneurial universities which supposedly fuse academic values and new managerialism. These purportedly combine in an institutional culture that welcomes change and preserves the best elements of academic traditions. Putting aside the issue of management-speak and hyperbole that are typically associated with this sort of writing it seems reasonable to attribute at least some of the current managerial deficit or lag to the complexity of results produced by the methodology of the Quality Evaluation. This is precisely because the methodology of the PBRF follows a mixed model (M.C. Peters, 2001b), in which both institutions and individuals are assessed during rounds of Quality Evaluation.

The mixed model used by the PBRF has generated decidedly mixed messages: because institutional funding follows from rankings across three component scores –Quality Score, Research Degree Completions, External Research Income; and individual Quality Scores likewise - Nominated Research Outputs, Contribution to Research Environment and Peer Esteem. Universities are motivated to improve institutional rankings across each component and dimension which, in turn, produces conflicting demands on academic units and individuals. The inconsistencies in requiring individual staff and each Nominated Academic Unit to simultaneously improve their research outputs, secure more external funding, complete more PhDs and generate more EFTS (which because of the PBRF are now worth less per undergraduate student) should be obvious. While such 'contradictions' can be resolved by the simple intensification of academic work (Ogbonna & Harris, 2004), this sort of challenge to the prevailing professional ethos around academic life –which Marginson predicts- is also anticipated and resisted by staff (Curtis, 2008, Curtis & Matthewman, 2005).

## **Conclusion**

The obvious error in Duncan's polemic is to assume the existence of a regime of performance management rather than to examine the practices of institutions that may indeed include managerialist efforts at the intensification of work. He effectively recycles arguments about the potential for a despotic regime of production (Burawoy, 1979) but drawn from Lyotard (1984). In contrast, allowing the possibility of counter-tendencies to commodification, most notably the resilience of a form of collegiality, provides a far

more nuanced account. It then becomes possible to understand the PBRF as both an important marker and a dilemma for university management. This is precisely the problem of mixed messages delivered by the PBRF and, in turn, the consequence of the mixed model used by the designers of the Quality Evaluation.

Indeed the clearest message the PBRF sends to managers is in all likelihood unintended; to game the entire process. That is, to creatively rewrite employment contracts so as to exclude R-rated (research inactive) staff from Quality Evaluation. The results of the 2006 Quality Evaluation confirm that this is the most significant development in the tertiary sector resulting from the creation of the Performance Based Research Fund (Vance, Alexander and Sandhu, 2007). This is no doubt of considerable embarrassment to the Tertiary Education Commission (and it will be of interest to see if / how the government agency fixes the loopholes before the scheduled Quality Evaluation in 2012).

Nevertheless, the mixed messages provided by Quality Evaluations and the subsequent gaming by some managers, is not the entire story of the PBRF. It should also be stressed that the professoriate played a role in designing the methodology of the Quality Evaluations. Therefore it is hardly surprising that the resulting approach simultaneously extends peer review into the allocation of the new fund to institutions and rewards the professoriate *vis a vis* other academic ranks. In short the hierarchical arrangement of academic collegiality are in no way undone -and are in practice secured- by Quality Evaluation and the PBRF. The PBRF does not provide a major break with tradition (Duncan, 2007) rather it owes more to the continuation of longstanding hierarchical arrangements involving academic rank, and also the disciplinary and institutional location of academic life.

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