The Australian Labour Market in 2002

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The Australian labour market continues to demonstrate resilience in the face of weaknesses in the international economy and domestic economy. The US economy remains in the doldrums and Japan still remains in recession. Locally, a severe drought has wiped at least one per cent off projected GDP growth. Yet, for the 10th successive year, jobs growth remains strong in Australia. Despite this record, employers and the Federal government continue to call for further reforms in order to 'free' up the labour market. With the profits share of Gross Domestic Product (GDP) at historic highs and trade union density at historic lows, the arguments are distinctly hollow. Indeed, there remains a considerable unfinished reform agenda for the Australian labour market. A decade of strong jobs growth has made only modest inroads into labour under-utilisation, it has seen unfettered working time developments, and important issues remain of equality and access to entitlements that confront many women workers.

INTRODUCTION

What features stand out about Australia's labour market development over the past decade? If we were asked to identify the key characteristics they would be:

- strong and sustained jobs growth, particularly in part-time jobs;
- stickiness of the unemployment rate;
- feminisation of employment;
- growth in contingent or flexible employment arrangements;
- fragmentation of working hours;
- rising wage inequality;
- expansion of superannuation coverage arrangements; and
- inexorable expansion in the numbers and share of service sector jobs.

The above has been accompanied by a parallel shift in government attitude and approach to labour market regulation. Key developments include:

- decentralisation of bargaining over wage and employment conditions (Campbell *et al.* 2001);
- growth in bargaining arrangements that do not involve trade union participation or imprimatur (Bray *et al.* 2001);
- establishment of the privatised jobs network (Biddle & Burgess 2002); and
- introduction of US workfare arrangements associated with unemployment benefit support (Burgess *et al.* 2000).

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While there is considerable debate surrounding the consequences of the above developments, recent (and current) reviews in this journal and elsewhere suggest that identified outcomes include the following:

- polarisation of earnings (Borland 1999);
- shifting functional distribution of income towards profits (Carlson et al. 2003);
- decline in industrial action (ABS Cat. no. 6321.0);
- long-term decline and stabilisation of the full-time gender wage gap while the part-time gender wage gap widens (Whitehouse 2001; Preston 2002);
- emergence of working poverty through either insufficient working hours or very low hourly wage rates (ACIRRT 1999);
- emergence of workers who are employed under ambiguous employment arrangements (for example, see the temp industry; Hall 2000); and
- increasing tensions in the balancing of work and family responsibilities (Bittman & Rice 2002).

It is apparent from the above that there are many indicators one might apply in reviewing developments in the Australian labour market. This review will examine jobs, unemployment, working hours, home-work, job creation/ destruction and developments concerning women. A decade of jobs growth and an accompanying neo-liberal policy regime has delivered in some areas, such as employment growth (especially part-time jobs) but has been equivocal or even regressive in other areas such as working hours, and unemployment. While acknowledging that wage determination is a critical component of any labour market, such a discussion is not included within this article. Interested readers are referred to the wage review reported elsewhere in this journal.

ECONOMIC CONTEXT

In 2002, the Australian economy seemed to largely withstand the international slowdown. Over the 1990s, the economic recovery in Australia has been touted as a sign that the economy is robust and more able to withstand world economic fluctuations. Treasurer Costello (2000), said 'The benefits of labour and product market reforms are evident in Australia's economic performance through the global economic downturn of 2001'. In 2002, a new word entered the economic commentators' lexicon. Prime Minister Howard said in April that '... the economy is going gangbusters...I think the economy is a delight to the ear' (quoted in Sydney Morning Herald, 12 April 2002). The terminology caught on, with an Access Economics economist saying that the 'Australian economy [is] going absolutely gangbusters...' (ABC AM transcript, 9 May 2002).

The reality is that growth in the Gross Domestic Product (GDP) over the 1990s was driven largely by private spending, particularly after 1995. Strong growth in credit-financed household consumption expenditure has replaced the decline of net government spending since 1996. There is an ugly story yet to be told about this growth strategy. The balance sheets of households are now very fragile and the spending growth cannot be sustained (Mitchell & Reedman 2002).

By early 2001, the growth phase was faltering. Government rhetoric notwithstanding, the resilience of the economy in the current downturn is largely due to the government abandoning its pursuit of surpluses in 2001 for electoral reasons. Two major (temporary) policy shifts revitalised private spending which was waning in the June quarter:

- (a) six interest cuts after February 2001; and
- (b) the Federal Government, facing electoral defeat, injected over \$2 billion into an ailing construction industry, principally through the first home buyers scheme, after recognising the GST had devastated home building; and increased defence spending after East Timor and September 11.

Put together, the economy received an old-fashioned Keynesian boost to say the least! Yet there is little recognition of the central role that the return to public deficit (2001–2002) has played in promoting Australia's quick return to growth.

However, the labour market is hardly going 'gangbusters'. Despite one of the stronger growth rates in the 1990s among Organisation for Economic Cooperation and Development (OECD) economies, the Australian economy did not remotely approach full employment and the unemployment trend remains positive. The low point unemployment has steadily ratcheted upwards over successive cycles-4.6 per cent in June 1976; 5.5 per cent in June 1981; 5.6 per cent in November 1989 and 6 percent in September 2000 (see Mitchell 2001b). Mitchell and Carlson (2002) show that while the official unemployment rate averaged 8.2 per cent between December 1991 and November 2002, the average total labour wastage is around 15.4 per cent once hidden unemployment and underemployment estimates are included. Economic growth has not been strong enough to produce enough jobs and hours of work to meet the preferences of the labour force over a sustained period. One might argue that labour market flows are such that few workers remain unemployed for very long. However, available statistics suggest other wise. In 1966, the average duration of unemployment was three weeks, by 2002 it had risen to 52 weeks (Mitchell & Muysken 2002a).

LABOUR MARKET 2002

In 2002, following the slowdown in 2001, the labour market showed improvement in the major aggregates (see Table 1). Full-time employment largely recovered the losses made in the previous year and the total increase in employment was some 39 000 in excess of the increase in the labour force, with the result that the unemployment rate fell by 0.5 percentage points.

However, by year's end the picture was looking decidedly shaky. The Department of Employment and Workplace Relations job vacancies series dipped sharply (by 22 per cent) in December 2002 although its Skilled Vacancy survey showed a more modest decline of 0.1 per cent in its index (DEWR 2002). The monthly survey of job advertisements published by the ANZ (2003) also revealed that a slowdown in employment growth was occurring with its advertised vacancies series falling by around a half in December (13.7 per cent in seasonally adjusted terms). The ANZ (2003: 2–3) conclude that:

December's large fall has, for the moment at least, interrupted the upward trend in the level of newspaper job advertising which began in September 2001...[and points]

Changes	EFT (000's)	EPT (000's)	E (000's)	U (000's)	LF (000's)	CIVPOP (000's)	UR (% pts)	LFPR (% pts)
Since 1993	797.7	833.8	1631.5	-309.6	1321.9	1855.8	-4.6	1.0
2000–2001	-25.7	131.7	106.0	30.3	136.3	201.3	0.2	0.0

-39.1

 Table 1
 Changes in major labour force aggregates

30.1

131.6

2001-2002

Source: ABS AusStats, Supercube C1. Changes are based on the average year to year value. The 2002 average is computed up until November.

161.7

CIVPOP, civilian population; E, total employment; EFT, full-time employment; EPT, part-time employment; LF, labour force; LFPR, labour force participation rate. U, total unemployment; UR, national unemployment rate.

122.7

209.8

-0.5

Period	Average UR (% p.a.) (1)	Labour force (% p.a.) (2)	Labour prod. (% p.a.) (3)	Required real GDP (% p.a.) (4) = (2) + (3)	Real GDP (% p.a.) (5)	GDP gap (% p.a.) (6) = (5) - (4)
1990–2002	8.1	1.4	1.9	3.3	3.5	0.2
1990–1995	9.1	1.3	1.7	3.0	2.7	-0.3
1995–2000	7.6	1.5	2.2	3.7	4.1	0.5
2000–2002	6.6	1.3	1.7	3.0	3.6	0.6

 Table 2
 Average unemployment rate and average annual growth rates in output, productivity and labour force

Source: ABS, AusStats, various tables. The annual data for 2002 required an estimate of GDP in the 4th quarter. UR, unemployment rate; prod, productivity.

-0.1

 \ldots to a significant slowing in employment growth during the first few months of 2003 \ldots

Given the high (inverse) correspondence between movements in the ANZ vacancy series and the unemployment rate, we expect an upward movement in unemployment over the first six months of 2003. This is also suggested if we examine the Okun arithmetic for Australia.

In Table 2, growth rates in real output, labour productivity (GDP divided by total employment) and the labour force are shown for various periods since 1990. Okun's Law is a useful rule-of-thumb which helps us understand changes in unemployment rates and project future trends. It is based on a relation between the major output and labour-force aggregates expressed as growth rates (see Mitchell 2001a). The rule of thumb that emerges says that for the unemployment rate to remain constant, real output (GDP) growth must equal the rate of growth in the labour-force plus the growth rate in labour productivity (GDP/total employment). The Okun calculations are shown in the last two columns in Table 2. Column (4) is the 'required rate of GDP growth' (for the unemployment rate to remain constant). At this rate, employment growth is just enough to absorb the new labour force entrants and those displaced by productivity growth. Column (6) calculates the extent to which the real GDP growth rate has been sufficient to reduce the unemployment rate (with rounding errors). A positive sign indicates that growth is above the required rate and eating into the unemployment pool.

Over the first half of the 1990s, unemployment rose because GDP growth fell short of the required rate by approximately 0.3 per cent per annum. The latter half of the 1990s reversed this situation and inroads into the unemployment rate were made with labour productivity bonuses also evident in the rising tide. In the last two years there has been a slowdown in real output growth but the potential for rising unemployment has been avoided, up until now, by the slower labour force and labour productivity growth.

This analysis reinforces the suggestion that the unemployment outlook for 2003 is not bright given that the Commonwealth Treasury has in the 2002–2003 mid-year economic and Fiscal Outlook revised its forecast for output growth down to 3 per cent over 2002–2003 (Costello 2002). They also predict employment to grow at 1.25 per cent that means that with the labour force growing at 1.3 per cent a slight rise in the unemployment rate is to be expected in 2003.

LABOUR UNDER-UTILISATION

Under-utilisation is a general term describing wastage of willing labour resources. It arises from a number of different reasons that can be subdivided into two broad functional categories: (a) a category involving unemployment or its near equivalent, the latter which includes those classified as being not in the labour force on search criteria (discouraged workers); and (b) a category that involves sub-optimal employment relations. Workers in this category satisfy the International Labour Organisation (ILO) criteria for being classified as employed but suffer 'time related underemployment' (ABS 2001a: 55). Examples of this are full-time workers who are currently working less than 35 hours for economic

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reasons or part-time workers who prefer to work longer hours but are constrained by the demand-side. Sub-optimal employment can also arise from 'inadequate employment situations' (ABS 2001a: 55) where skills are wasted, income opportunities denied and/or where workers are forced to work longer than they desire (see Mitchell & Carlson 2002 for a detailed discussion of these categories).

The official unemployment rate fell by around 0.5 percentage points (seasonally adjusted) in the year to November 2002, which signalled continuing growth in the Australian economy. But is the official unemployment rate an accurate measure of the extent to which labour under-utilisation exists? Underlying the month-to-month movements in the official rate is the observation that the low point unemployment rate in Australia has ratcheted upwards over successive cycles in Australia since 1975. Mitchell and Carlson (2001) argue that the labour wastage evident in the upward trending unemployment rate is even worse when broader measures of labour under-utilisation are considered. In terms of measuring the extent of the problem, Mitchell and Carlson (2001: 60) claim that using hours instead of persons provides 'an even more sophisticated and, arguably more precise, measure of labour under-utilisation'. The two hours-based measures, which are part of the CofFEE Labour Market Indicators (CLMI), published by the Centre of Full Employment and Equity (CofFEE), explicitly

Figure 1. Preferences of part-time workers for more hours of work, Australia, 1978–2002





estimate the degree of under-utilisation among the unemployed, hidden unemployed and part-time workers who desire more hours of work. They also provide a measure of underemployment (these were also explained in Burgess & Mitchell 2000).

While the labour market continues to produce strong growth in part-time employment there is also an increasing proportion of part-time workers who desire more hours of work. In Figure 1., two series are plotted reflecting the preferences for more hours of work expressed by part-time employees to May 2002. The solid line (More Hours % Total PT) is the number of workers who want more hours of work as a percentage of total part-time employees whereas the dotted line (FT Hours % Total PT) decomposes this group into those who want full-time work only as a percentage of total part-time employees. Other data (not shown) reveal that the distribution of preferences for more work among the hours-bands (1–15, 16–29, 30–34) published by the ABS has been relatively constant.

So, while the proportion of part-time workers who want full-time work has declined in recent years (but is still above the levels existing at the end of the last strong employment growth phase in 1989), there is an increasing overall trend in part-time workers who are being forced into working less hours than they desire. This data is used by the CofFEE to construct its hours-based measures of underemployment. It is interesting that the ABS has signalled that it will publish more detailed underemployment measures in 2003 as part of their revamping of labour statistics (ABS Catalogue no. 6297.0).

In Table 3, the CofFEE measures are compared to the official unemployment rate (U3) from August 2001 to August 2002. The CofFEE indicators are labelled CU4, CU7 and CU8. CU4 adds an estimate of working hours lost due to hidden unemployment to U3. CU7 adds and estimate of working hours lost due to underemployment to U3. It is the ratio of unutilised hours of work available to the total available (fully-utilised) labour force in hours. CU8 extends CU7 by

	U3	UE	CU4	CU7	CU8
Aug 01	6.6	3.4	8.9	10.0	12.3
Nov 01	6.6	3.6	8.9	10.2	12.6
Feb 02	7.1	3.6	9.7	10.7	13.3
May 02	6.3	3.4	8.6	9.7	11.9
Aug 02	6.1	3.5	8.2	9.4	11.4

Table 3 Official unemployment rate and CofFEE Labour Market Indicators (CLMI) hours-based indicators

Source: ABS Cat. no. 6203.0, Mitchell, 2001, Mitchell and Carlson, 2001. U3, official aggregate unemployment rate; UE, underemployment estimated by CofFEE and is CU7 minus U3; CU4, the official unemployment rate plus the CofFEE estimate of hidden unemployment; CU7, U3 plus the CofFEE estimate of underemployed part-time workers; CU8, CU7 plus the CofFEE estimate of hidden unemployment.

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including the hours aspirations of the hidden unemployed (for full details and derivation for CU7 see Mitchell & Carlson 2001; for CU8 see Mitchell, 2001; http://e1.newcastle.edu.au/coffee/indicators/indicators.cfm). It is thus UE + CU7 (note rounding errors), CU7 and CU8 distinguish between full-time and part-time employment, and take into account the fact that a substantial number of part-time workers (and in CU8 the hidden unemployed) are frustrated by their failure to gain full-time work or more part-time hours. CU8, the hours-based measure augmented by estimates of hidden unemployment is the most comprehensive measure of under-utilisation and underemployment. UE is the measure of underemployment derived from CU7.

Both of the hours-adjusted under-utilisation rates (CU7 and CU8) are substantially higher than the official rate indicating that the extent of underutilisation (and underemployment) is large. While there have been small reductions in the unemployment rate since August 2001, underemployment remains static.

A longer view of the movement in the indicators against the official unemployment rate can be obtained from Figure 2. There is evidence of an increasing overall trend in under-utilisation. The low point unemployment rate has risen over the cycles shown. The gap between U3 and CU7 has also risen since 1980,

Figure 2. Official unemployment rate and CofFEE under-utilisation measures, 1978–2002



Sources: ABS *The Labour Force, Australia,* Cat. no. 6203.0; CofFEE estimates. The 2002 estimate is the average for January to August 2002. The shading shows the peak to trough in the 1980s and 1990s recessions.

which indicates that a proportion of jobs created have been part-time but with less than desired hours on offer. The frustration of workers with less than desired hours of work available is latent in the hidden unemployed as well. The gap between CU7 and CU8 reflects the magnitude of hidden unemployment and the hours-aspirations of the hidden unemployed. The under-utilisation arising from cyclical sensitive participation effects is pronounced with the gap between the measures at its maximum during recession (3.6 percentage points in 1982 and 4.4 percentage points in 1992). The gap narrows as the economy achieves higher levels of activity (2.1 percentage points at the 1989 cycle peak and 2.3 percentage points in 2000). In the August quarter 2002, the inclusion of hidden unemployment (counted in hours) adds 2.0 percentage points to U3. It has narrowed marginally since the recession in the early 1990s, which suggests that there are fewer persons classified as being not in the labour force that desire and are willing to work.

UNEMPLOYMENT DURATION

Over 2002, unemployment fell by around 50 000, with males dominating this decline. The proportion of workers that were long-term unemployed (spells above 52 weeks remained relatively constant edging up slightly for males (see Table 4).

The average duration of unemployment overall, which was three weeks in 1966, is now 52 weeks and is inversely related to the vacancy rate (see Mitchell & Carlson 2001). It is not often noted that duration for short-term unemployed workers is around 14 weeks (and steady over 2002), while for the long-term unemployment averaged 169 weeks through 2002 (see AUSSTAS Supercube U)!

JOB CREATION AND DESTRUCTION

In Figure 3, the response of full-time and part-time employment for males and females is shown for each of the last three business cycle peaks. The plots begin four-quarters before the peaks in GDP activity (see Mitchell 2001a for a discussion of the timing) then trace the behaviour from peak to trough and then eight-quarters following the trough. The GDP peaks are identified as 1982: 3, 1991: 4 and 2000: 3 and the shaded areas indicate the period between peak and

Unemployment			Males		Females		
	Males (000's)	Females (000's)	Total (000's)	LTU (000's)	PLTU (%)	LTU (000's)	PLTU (%)
1998	422.9	298.0	720.8	139.1	32.9	75.0	25.2
1999	381.2	276.4	657.5	120.8	31.7	64.4	23.3
2000	352.6	257.4	610.0	100.5	28.5	54.7	21.2
2001	384.0	277.5	661.6	93.2	24.3	52.8	19.0
2002	360.9	268.3	629.3	93.86	25.9	49.4	18.4

 Table 4
 Unemployment and duration by gender in Australia

Source: ABS AusStats, Labour Force Cat. no. 6203.0, Table 22.

LTU, long-term unemployment; PLTU, proportion of long-term unemployment to total unemployment.

Figure 3. Full-time and part-time employment creation and destruction. (a) Males 1981 : 1 to1985 : 2; (b) females 1981 : 1 to1985 : 2; (c) males 1989 : 4 to 1993 : 3; (d) females 1989 : 4 to1993 : 3; (e) males 1999 : 3 2002 :4; (f) females 1999 : 3 2002 :4



Source: AusStats.

trough in each of the cycles. The employment series are converted into index numbers with the base = 100 coinciding with the peak GDP quarter. The charts thus allow us to examine the behaviour of each series on a comparable basis over the downturn and subsequent early recovery.

Several points are relevant which reflect on the way in which the Australian labour market operates. First, during recessions there is a switch from full-time work to part-time work for both males and females resulting in a greater proportion of workers in short-duration jobs. This is especially the case for males. In the period immediately prior to each of the three peaks the ratio is relatively stable for males and females. During the recession and subsequent recovery period the ratio rises rapidly before stabilising at the higher level with the underlying trend towards increased part-time work then reasserting itself.

Second, full-time employment declines almost lockstep with the turn in GDP and many quarters elapse before a weak recovery begins. Part-time work, however, continues to increase as GDP moves from the peak and trough, eventually also succumbing to the demand deficiency. In the recovery phase after the trough, the economy initially generates strong growth in part-time work.

Third, some economists argue that recessions are associated with 'cleaning up' or in other terminology as 'taking a pitstop' (see Perry 1990). The 'pitstop' model of recession suggests that managers take time during recessions to streamline their processes. However, Perry (1990) notes that declining productivity during a recession is contrary to this view. Employment also recovers very slowly following the trough as noted in our discussion of persistence and asymmetry. Perry (1990: 153) says that:

If the amount of job creation and destruction is relatively constant in the temporary jobs, then the destruction is taking place in the long-duration jobs. This view provides a harsher picture of what happens during a recession than one would get if the change in job composition were ignored.

What this suggests is that for 2003, further part-time job growth is expected but with a weakness and even decline in full-time jobs along with an increase in the unemployment rate.

POLARISED AND UNREGULATED WORKING HOURS

Working hours are becoming more fragmented and polarised. The long-term trend is towards workers with either very short or very long hours of work. Campbell (2002) has reviewed the trends in official working hours while Bittman and Rice (2002) have catalogued the growing time pressures in the face of extended paid and unpaid working hours, especially for women workers. They have observed the spectre of the under-worked (the unemployed and the under-employed) and the overworked (full-time male workers and women workers with market and non market responsibilities). In addition to this, employers have used the new industrial relations system to achieve better intertemporal matching between labour supply and demand through the extensions in the 'normal' span of working hours in the day or working days in the week or month, and through such practices, unsociable working hours have been extended. Trade-offs and

award simplification have seen the erosion of penalty rates for long and unsociable hours while unpaid overtime hours are on the increase (Campbell 2002). The bargaining system has also seen the emergence of 12-hour working shifts in some industries (Nelson & Holland 2001).

Cully and Ngo (2001) suggest that there is probably more adjustment in the labour market occurring through hours adjustment rather than through person adjustments. That is, employers respond to changes in the demand for labour through some variation in working hours and working arrangements—shift patterns, spread of hours, casuals, part-timers, and extended and reduced hours. The long-term evidence suggests that there is more going on in hours than there is with employment. For 2000–2001 Cully and Ngo (2001) suggested that the weakness in labour demand was being translated into more part-time workers and shorter average hours, rather than fewer workers overall. What has happened with the spread of hours over the past year?

There has been no major shift in the distribution of hours or in aggregate and average hours worked over the past year. Around 17 per cent of workers have less than 15 hours per week while around 30 per cent of workers have more than

Hours	M	ale	Fen	nale	То	Total	
	2001	2002	2001	2002	2001	2002	
0	4.5	4.4	5.7	5.6	5.0	5.0	
1–15	6.9	6.9	18.3	18.7	12.3	12.2	
16–29	9.0	9.6	21.2	21.5	14.4	14.9	
30–34	7.4	7.1	10.5	10.8	8.8	8.8	
35–39	13.7	13.6	14.6	15.0	14.1	14.3	
40	15.6	16.2	11.1	10.8	13.6	13.8	
41–44	5.2	5.4	4.1	3.9	4.7	4.7	
45–48	10.3	9.8	5.1	4.9	8.0	7.6	
49+	27.2	26.8	8.6	8.7	19.0	18.8	

Table 5 Distribution of weekly hours worked between November 2001 andNovember 2002

Source: ABS, The Labour Force, Cat. no. 6203.0.

Table 6Average and aggregate hours worked between November 2001 andNovember 2002

November	Aggregate hours work Total F/T		rked (m) P/T	Average hours pe Total F/T		r week P/T
2001	320.0	278.6	41.4	36.7	44.0	17.3
2002	327.7	283.4	44.3	36.6	44.1	17.6

Source: ABS, The Labour Force, Cat. no. 6203.0.

F/T, full-time; P/T, part-time.

40 hours per week. For male workers, there are 40 per cent who work more than 40 hours per week. Around one quarter of women workers have less than 15 hours per week. The increase in aggregate hours worked tracked the increase in employment. It is interesting to observe that part-time hours account for around 13 per cent of all hours worked but about 26 per cent of total employment. On average, part-time hours are about 40 per cent of full-time hours.

There still remains around one-quarter of all part-time workers who require additional hours of employment. Overall, job growth has neither been associated with changes in the distribution of working hours, nor has it resulted in a growing share of part-time workers being able to obtain preferred hours of employment. This last finding is interesting and indicates that job expansion is not being translated into under-employed part-time workers acquiring additional hours of employment. In addition, there are reports (Crichton & Delaney 2002) that around one-half of full-time workers are performing unpaid over-time hours. It seems that many workers at either end of the hours distribution cannot match desired and actual working hours.

The transformation in working hours raises three issues. First, it highlights that Australia has no or few regulations over working hours, and indeed the experience of the last decade is what you would expect with 'unregulated' working hours. In this context, it is not surprising that the ACTU has moved towards activating codes for the regulation of long working hours (ACTU 2002). Second, the extent of intertemporal flexibility in working hours arrangements is one component of enhanced labour use flexibility for employers that also includes greater use of part-time workers, casual workers, temporary agency and contract workers. It is not only that standard employment arrangements are disappearing it is also a story of the disappearing 'standard' working day and the standard working week (Bittman & Rice 2002). From Table 5, it can be observed that less than 30 per cent of workers have 'standard' working hours of between 35 and 40 hours. Third, these developments have to be placed alongside the rhetoric associated with family friendly employment arrangements where intertemporal flexibility is equated with being responsive to the family caring needs of workers (mainly women). As Bittman and Rice (2002) clearly demonstrate, there is greater pressure on working families and working women, not less pressure.

SPATIAL EMPLOYMENT FLEXIBILITY: HOME-WORKING AND TELECOMMUTING

Not only are working hours being transformed, but also the spatial distribution of work is changing. Information and communications technology developments such as mobile phones and the Internet mean that more workers are in contact with work and that the clear lines of separation between home and work are diminishing. There is no clear definition of home-work. This is due to the performance of market-based and non-market work from home together with home-based work supplementing work elsewhere. Even the home is an ambiguous concept. Officially, home-work is not the sum of persons working at home, it is the sum of persons performing officially classified employment duties from home. The home can be a workplace for official and unofficial work, the distinction being a matter of convention. The ambiguity of home-work, and indeed of the production boundaries differentiating formal and informal work, has been emphasised by the shift of production from the home to market sector: take-away food; restaurants; childcare; gardening; and professional cleaning. Indeed, there have been very large shifts in activity across the sectors through the privatisation of public sector activities and through the contractualisation of the not-for-profit sector to undertake activities in health, education, aged care and employment services from both the private and public sectors. Since many small business operations are based at home, there is often ambiguity surrounding the participation of family members in home based businesses.

What is the home? This, in itself, is ambiguous. Is there a separation between the home and work in the case of a family-run farm? Is there a separation between home and work where the business and the home share the same premises, e.g. retailing downstairs and living accommodation upstairs. These issues are compounded by IT and communications developments where the home can become a business base for production and business away from the home. Developments in IT have opened the possibilities for extending the range of activities and occupations that can engage in home based employment. These range from clerical services through to professional services such as architecture and the law. This has given rise to the phenomenon of telecommuting—maintaining electronic contact with an external workplace but locating employment within the home.

Since the mid-1980s, the Australian Bureau of Statistics (ABS) has conducted an irregular supplementary home-working survey to the monthly labour force survey. Home-working surveys were conducted by the ABS (Catalogue no. 6275.0) for 1989, 1992, and 1995. The ABS published a survey for 2000. This is now entitled *Locations of Work* and differs from earlier surveys in that it includes farmers, multiple job holders and those who worked at another person's home.

Total	Percentage of workforce
1794	20.9
1102	12.8
692	7.9
136	32.3
288	3.8‡
980	11.4
	1794 1102 692 136 288

Table 7Locations of work in Australia, 2000 ('000)

Percentage of second jobs; ‡ percentage of employees; § worked all or most hours plus had arrangements with employer to work at home.

Source: ABS, Cat. no. 6275.0. Locations of Work.

This later survey is not comparable with the earlier survey. Previous surveys defined home-workers as those who performed most of their work from home. The more recent survey defines home-work as those who worked all or most hours at home, plus those who had an arrangement with their employer to work at home. The broad results of the 2000 survey are summarised in Table 7.

Around one-fifth of all workers perform some work at home. Of these workers, approximately two-thirds worked fewer hours at home than elsewhere. Those classified as home-workers make up slightly more than 10 per cent of the workforce. In the case of second jobs, nearly one third of second jobs are home based.

Home-workers are concentrated in a few industries with agriculture and property and business services dominating (see Table 8). They have a high non-employee status. Employees working at home are more likely to be nonunionised and employed under casual conditions than employees located in an official workplace.

While the gender mix is approximately equal, women are more likely to work part-time and to a different occupational mix (especially the high clerical

Characteristic	Comment
Gender	Approximately equal number of males and females.
Age	Over half are aged between 35 and 54 years. Around 4 per cent in the 15–24 years and over 55 years group.
Status	Around 43 per cent are non-employees – considerably greater than the 16 per cent share in the workforce. Own account workers the largest non-employee group and are 30 per cent of total home-working.
Hours	Part-time share is 30 per cent, slightly above the 25 per cent share for the workforce. Females account for 80 per cent of part-time home-workers.
Occupation	Managers and professionals account for one half of home-workers. Clerical work makes up over 42 per cent of female home-working but only 6 per cent of male home-working.
Industry	Agriculture and property and business services account for 40 per cent of total home-working. The four major industries for males are agriculture, property and business services, manufacturing and education. For females the four major industries are agriculture, property and business services, education and construction.
Trade union membership	For home-working employees the trade union density is 16 per cent, well below the average of 26 per cent for all employees.
Employee status	34 per cent of employees are employed under casual conditions, this is above the 26 per cent casual density for all employees. For female home-workers the casual density is 40 per cent.

 Table 8
 Home-working characteristics in Australia, 2000

Source: ABS Cat. no. 6275.0, Locations of Work, 2000.

representation) and a slightly different industry mix. Home-based work is dominated by micro business activity. The dominant status of own account arrangements means that much home-working is outside of trade unions and collective agreements together with regulations governing employees. Those who are employees also have relatively a low union density and a high casual intensity. Overall, the status of home-workers and the fluidity of their status contributes to the problems of enforcing labour regulations and to their generally poor employment conditions.

As with home-work, telework is very ambiguous and diverse. Not all telework takes place in the home, it can be conducted at organised work places, it can take place across a number of workplaces or between workplaces. Telework relies on the existence of an electronic communications network to link workplaces, to link the worker and the workplace and to link the home and the workplace. As with home-work, telework is diverse and takes place in a range of contextual situations (Diamond and Lafferty 2000, p. 119). Telework allows the employee to substitute home based for external workplace based work, substitute paid work for unpaid work, or extend the hours of paid and unpaid work. The available evidence suggests that telework fits into the employment arrangements of those home based workers who do not exclusively work at home. Once again, there is limited official data on telework provided by the ABS through its survey of *Use of the Internet by Households* (Catalogue no. 8147.0). There have been very few surveys of telework in Australia with the latest indicating that its take-up is very limited (Lafferty and Whitehouse 2000).

Software and hardware developments together with improving communications networks now mean that:

- more work tasks can be performed externally to the workplace;
- more home based businesses can be established;
- the nature and configuration of the workplace can be restructured; and
- workers can be easily monitored away from the workplace.

These new possibilities mean that it is possible to work anywhere and at any time. The business can operate continuously through space and across time. The location of the workforces can be more fragmented and geographically diverse, while work can be performed continuously—24 hours per day, seven days per week. External work offers extensive flexibility possibilities, the means to substantially reduce overhead costs associated with traditional employment arrangements and the opportunity to evade employment regulations. The dark side to the potential benefits of telecommuting and the extension of home based work is the loss of choice, the loss of entitlement and the extension of working hours.

GENDER ASPECTS OF LABOUR MARKET DEVELOPMENTS AND LABOUR POLICY

Labour force participation

Women's participating in the labour market is increasing, while men's participation is on the decline. By the end of 2002, the male labour force participation rate (trend series) had fallen to 71.8 per cent, down from 73.8 per cent recorded 10 years earlier. Over the same period, the female participation rate increased by four percentage points; from 51.7 per cent in November 1992 to 55.7 per cent by November 2002. When the data are disaggregated by marital status, it is apparent that the pattern of long-term decline (males) and long-term rise (females) is most evident amongst persons who are married. In the decade to November 2002 the participation rate of married men declined by 1.6 per cent to 74.7 per cent, whilst the participation rate of married women increased by 5.7 per cent to 58.7 per cent (Table 9).

Over the decade, the strongest growth in female participation rates could be observed amongst older women (women aged 45 and over). In 1992, for example, the participation rate of married women aged 45–54 was 63.3 per cent; by 2002 it had increased to 73.5 per cent. Women aged 55–59 years have similarly experienced large increases in their participation rates: in the decade to 2002 participation rates amongst married and unmarried women in this age band increased by 14 and 16.1 percentage points, respectively. That said, the data

Participation rate	Nov. 02	Females % Point change				
	(%)	92–02	01-02	(%)	92–02	01–02
Original						
Married	74.7	-1.6	0.0	58.7	5.7	1.0
Not married	66.8	-1.1	-0.8	51.9	2.8	0.3
Total	71.6	-1.4	-0.3	55.8	4.4	0.7
Total						
Seasonally adjusted	72.0	-1.7	-0.3	55.9	4.4	0.7
Trend estimate	71.8	-2.0	-0.6	55.7	4.0	0.4

 Table 9
 Participation rate by gender and marital status

Source: ABS AusStats 6291.0.40.001, Tables 9a, 9b.

Figure 4. Participation rate by gender, age, marital status and year (average annual participation rate, original series)



Source: AusStats Cat. no. 6291.0.40.001, Tables 9a and 9b.

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displayed in Figure 4. shows that a large number of women continue to retire from the labour market at a relatively young age. In 2002, the average female participation rate amongst women aged 45–54 was 72.5 per cent, falling to 50.5 per cent among women aged 55–59 and to 24.3 per cent among women aged 60–64.

Reasons for retirement are numerous and gender related. For example, around 10 per cent of women retiring from full-time work between the age of 55 to 64 did so 'to look after the family, house or someone else'—the corresponding share of males retiring for this reason was 1.5 per cent (Figure 5). Other 'family reasons' cited by this female retirement age cohort included 'to coincide with partners retirement' (4.6 per cent) and 'to have holiday/move house/spouse transferred' (5.0 per cent). In contrast, 30 per cent of males who were aged 55–64 years at the time of retiring from full-time employment, cited their own ill health or injury as the main reason—the comparable rate for women was 13.4 per cent.

Figure 5. Reasons for ceasing last full-time job (persons aged 55—64 at time of retirement from full-time work).



Source: AusStats Retirement and Intentions survey 1997, Cat. no. 6238.0, Table 6. Notes: (■) Females; (□) males

Superannuation and gender segregation

Clearly, early retirement from the workforce will have a significant impact on the final 'nest-egg' or total superannuation accumulations over the work-life. The issue takes on even greater significance when set within the broader debate concerning pension adequacy and the ability of current levels of superannuation to provide for a reasonable living standard in retirement. (Senate Select Committee on Inquiry into Superannuation and Standards of Living in Retirement, 2002).

The Australian retirement income system has three main strands: the age pension (a means-tested, flat rate, non-contributory payment funded from government general revenue); occupational superannuation (funded from compulsory and voluntary contributions) and other private savings (e.g. property investments). While occupational superannuation is the government's preferred system for the delivery of retirement income, it will be some years before the majority of retirees will derive their main retirement income from superannuation. In 1999–2000, only eight per cent of people aged 65 or more relied on super-annuation in their retirement; the majority (78 per cent) received their main income from the Age Pension (ABS Cat. no. 4102.0, 2002, p. 175). A recent survey of income sources of those who left full-time employment aged 45 years or more, similarly found that very few (11 per cent) derived their main income from superannuation. The most common income source for males was an Age or Service Pension (23 per cent), while the majority (38 per cent) of women were dependent on someone else's income (ABS 6238.0, 1997).

While the introduction of compulsory employer superannuation contributions in 1992 has resulted in a marked expansion in superannuation coverage, the balances within many of these accounts remains low, suggesting that even under a fully mature SGC (Superannuation Guarantee Charge) system many will retire with inadequate levels of superannuation (Preston and Jefferson 2002). In 2000, for example, 65.6 per cent of casual employees with superannuation (and a known account balance) had less than \$5000 in their account. Given that many women are employed on a casual basis, it comes as no surprise to learn that women were over-represented at the lower end of the distribution of superannuation funds; 44 per cent of women with superannuation and a known account balance held less than \$5000 in 2000 (ABS Cat. no. 6361.0, 2000) The corresponding share for men was 29.2 per cent.

Clearly, balances in superannuation schemes are dependent on a number of factors, including level, timing, years of contributions, rate of return in the superannuation fund, fees and charges and taxation arrangements. Other constraining factors include eligibility rules, such as the \$1350 per quarter (formerly the \$450 per month) earnings threshold level. Women are disproportionately represented at the bottom of the earnings distribution and thus more likely to be adversely affected by this eligibility rule. In 2001, 6.8 per cent of males and 16.2 per cent of females earned less than \$200 per week (ABS Cat. no. 6305.0, 2002, Table 6). Moreover, the threshold level applies to earnings per employer, rather than total earning in the three-month period. The increasing shift towards part-time and casual employment, combined with the extension in the threshold level from one month's earnings to three months' earnings is likely to place further constraints on the superannuation accumulations of low income earners. In recognition of the disadvantages this eligibility rule poses, the Senate Select Committee on Superannuation has, in its recent report (SCS 2002) recommended that the Government examine the removal of this threshold level.

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Overall, the weight of evidence in the retirement incomes literature suggests that the majority of women will not benefit from a retirement incomes system centred on superannuation (Ginn *et al.* 2001; Olsberg 2001; Preston & Austen 2001). Constraining factors, as indicated above, include their patterns of labour market attachment as well as the nature and forms of the jobs they hold. Women are, for example, typically clustered into a narrow range of jobs—jobs which are, in turn, often low-paid in relative terms (see Nowak & Preston 2001). For example, while women accounted for 46.2 per cent of total employees in November 2002, they were most commonly found in clerical positions (86.7 per cent of all advanced clerical and service employees) and were under-represented in the managerial and administrative ranks (accounting for 22.6 per cent of all employees in these jobs; see Figure 3).

In recent years, however, there has been strong employment growth (see Fig. 6), a rise in female enrolment in higher education and a movement of women in to more male-dominated occupations. For example, between November 1996 and November 2002, the total employment (of employees) increased by 13.2 per cent, with growth most pronounced amongst associate professionals

Figure 6. Change in total employment and women s share of total employment, all employees, November 1996 to November 2002.



Source: AusStats Cat. no. 6291.0.40.001.

Notes: (□) Women's share (%) of total employment in November 2002; (⊠) percentage point change in women's share of total employment from November 1996 to November 2002; (■) percentage change of total employment from November 1996 to November 2002

(34.2 per cent), professionals (20.4 per cent) and intermediate clerical, sales and service workers (18 per cent). Outcomes in the year to November 2002 were reflective of this general trend with employment growth equal to 2.2 per cent, spurred by above-average growth within elementary clerical, sales and service workers (5.9 per cent) and associate professionals (4 per cent), but held back by a decline (8.8 per cent) in managerial and administrative employment. Over the same period, women's representation in these occupational groups also changed the most, rising by 4.2 percentage points among associate professionals and 2.2 percentage points among managers and administrators. Their share of professional jobs was slower to adjust with their representation improving by only 0.6 percentage points, although women and men are most equally represented within this professional grouping (51.5 per cent of professional employees are women, most of whom are in nursing and teaching).

While the above trends are encouraging, it is also apparent that in the absence of some dramatic labour market event, occupational segregation is likely to remain a persistent feature of the Australian labour market for sometime to come. The benefits to be derived from occupational superannuation will, therefore, continue to remain unevenly distributed.

Paid maternity leave

There are a number of ways improving the economic wellbeing and financial position of women in later life. One such measure is paid maternity leave, with identified advantages including skills retention, improved labour market attachment and the development of equitable workplaces/work-practices (HREOC, 2002a). However, notwithstanding identified benefits of paid maternity leave (PML), the debate in Australia over the course of 2002 took on some curious dimensions. Issues such as declining fertility, population ageing, who should pay, basic worker entitlements and work–life balance were central elements in the discussions underscoring the complexity of the PML debate. Indeed, it might be argued that debate was hampered by the absence of clear community agreement on the question at the centre of the debate. While some were debating 'how' to introduce PML in Australia (e.g. whether it should be government funded or employer funded, the dollar amount and the eligibility rules), others were debating a more fundamental question of 'whether'; i.e. whether or not Australia should have a national PML arrangement.

The debate was lead by the Sex Discrimination Commissioner, Pru Goward and facilitated by the release of an extremely comprehensive and well-written interim options paper *Valuing Parenthood* (HREOC 2002a). HREOC also undertook wide ranging community consultations and in December 2002 released a final options paper *A Time To Value* (HREOC 2002b) with their key recommendation being that the Commonwealth government introduce a 14 week non-means tested national maternity payment, paid for at the level of the adult full-time minimum wage (currently \$431 per week) and funded out of general revenue. Women who have been in paid employment for 40 weeks in the year prior to taking maternity leave would be eligible for the payment. The scheme is designed to cover as many working women as possible, including casuals, those working for more than one employer and the self-employed (ibid.). Available statistics suggest that around 38 per cent of female employees (excluding owner-managers) are currently entitled to some form of paid maternity leave (57 per cent of whom are in the private sector) (Table 10)—which means that that 62 per cent of female employees are without such income protection. Many of this latter group are casual workers (Table 11). While 38 per cent of female employees are entitled to some of paid maternity leave, it should be borne in mind that arrangements across schemes differ markedly both in level of payments and duration. For further information see Baird (2002).

The arrangements proposed by HREOC fall short of a number the provisions as set out in the ILO Maternity Protection Convention (183) and supplementary recommendations (ILO Recommendation 101); e.g. that cash benefits be no less

	Public	Sector Private	Not determined	Total	Total female employees (%)
Labour force status					
Employed full time	42.4	56.7	1.0	100	50.9
Employed part time	40.7	58.6	0.7	100	20.8
Occupation					
Managers and administrators	52.8	47.0	-	100	64.6
Professionals	63.5	35.0	1.5	100	54.2
Associate professionals	40.2	59.3	0.4	100	46.0
Tradespersons and related workers	17.4	83.2	-	100	24.3
Advanced clerical and service workers	25.0	74.6	0.4	100	44.1
Intermediate clerical, sales and service workers	34.1	65.1	0.8	100	37.4
Intermediate production and transport workers	3.0	97.4	_	100	25.6
Elementary clerical, sales and service workers	22.3	76.6	1.0	100	17.9
Labourers and related workers	27.9	71.4	0.6	100	20.5
Time worked in job					
Less than 1 year	22.9	76.0	1.2	100	23.70
1 year to less than 5 years	32.6	66.4	1.0	100	34.20
5 years to less than 10 years	44.2	54.6	1.2	100	48.40
10 years and over	61.5	38.1	0.4	100	55.20
Total	42.0	57.1	0.9	100	38.00

 Table 10
 Female employees (excluding owner-manager) entitled to PML

Source: ABS 6361.0 Survey of Employment Arrangements and Superannuation April – June 2000 unpublished data (also available from Joint Department Submission (2002), Appendix D. than two-thirds of the woman's previous earnings. Australia is, however, not a signatory to this convention (although it has signed the United Nations Convention on the Elimination of all forms of Discrimination Against Women). Moreover, the minimalist model as proposed undoubtedly reflects HREOC's assessment of the political climate and its expectations of what might realistically be acceptable to the current conservative government.

	Entitled to paid maternity/ paternity leave (%)	Not entitled (%)	Do not know (%)	Total (%)
Females	38.0	43.9	18.1	100
Casuals	0.4	93.4	6.3	100
Other employees	53.6	23.4	23.0	100
Males	33.7	37.4	29.0	100
Casuals	0.6	90.9	8.5	100
Other employees	40.9	25.7	33.4	100
All employees	35.7	40.5	23.8	100
Casuals	0.4	92.4	7.2	100
Other employees	46.4	24.7	28.9	100

 Table 11
 Employee (excluding owner-manager) paid maternity/paternity leave entitlements

See notes to Table 10.

While the government has yet to endorse the HREOC recommendation, there is ground for believing that the proposal may be funded. The government has indicated that it will give the proposal serious consideration at the next budget— a position that contrasts markedly with the Prime Minster's outright opposition to PML at the commencement of the debate in early 2002.

In the meantime, the ACTU is preparing to build on the current PML proposals via a Work and Family Test Case to be heard in the Australian Industrial Relations Commission later this year. The case will focus on issues such as job security, job quality, part-time opportunities and other arrangements to help workers balance work and family demands. As with many other benefits, it is also clear that women workers cannot rely on the enterprise bargaining system to access benefits, or even protect what they already have (Sullivan *et al.* 2003).

CONCLUSION

The current cycle of growth appears to be coming to an end. On top of a problematic international economy, Australia is confronted by a drought, a cyclical decline in the building sector and a weakening of the current account. This suggests continued weakness in the labour market throughout 2003, with an expected increase in the unemployment rate. A decade of strong growth has not been translated into full-time jobs; labour under-utilisation continues to

remain high; working hours have been deregulated; and women are still confronted with forms of exclusion and segregation within the labour market. In terms of policy, we can expect no progress on working hours, systemic labour under-utilisation, and paid maternity leave. Already, the policy agenda is being set with the Australian Chamber of Commerce and Industry calling for further industrial relations reforms (ACCI 2002), the IPA calling for measures to improve management's capacity to manage (IPA 2002) and the Federal Workplace Relations Minister urging business to 'take on unions' (Abbott 2002). In short, expect more of the same on the policy front and no progress in 2003 in addressing the deep-seated weaknesses present in the labour market.

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