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## AVERAGE WEEKLY EARNINGS, STATES AND AUSTRALIA, AUGUST 1991

### SUMMARY OF FINDINGS

Estimates of average weekly earnings for August 1991 and the respective changes over previous periods are shown below:

	<i>Full-time adult average weekly ordinary time earnings</i>			<i>Full-time adult average weekly total earnings</i>			<i>All employees average weekly total earnings</i>		
	<i>Change (%)</i>			<i>Change (%)</i>			<i>Change (%)</i>		
	May 1991 to Aug. 1991 (\$)	Aug. 1990 to Aug. 1991	Aug. 1991	May 1991 to Aug. 1991 (\$)	Aug. 1990 to Aug. 1991	Aug. 1991	May 1991 to Aug. 1991 (\$)	Aug. 1990 to Aug. 1991	Aug. 1991
Males	599.50	+1.3	+4.4	637.90	+0.8	+2.9	575.40	+1.0	+2.3
Females	506.40	+1.2	+6.3	517.70	+1.0	+5.9	384.10	+1.4	+5.2
Persons	567.70	+1.2	+4.9	596.80	+0.9	+3.7	489.30	+1.0	+3.1

The movements between May 1991 and August 1991 at the national level are statistically significant except for average weekly total earnings for full-time adult males, all males total earnings, and all employees total earnings.

These quarterly movements were influenced by:

- flow through of the April 1991 National Wage Case. A recent history of National Wage Case decisions is listed at the back of this publication.
- changes in the composition of the labour force. An analysis of employers common to the May and August samples indicates that as a group those employers who reported decreased employment (covering 48.6% of employees) also reported an increase in average weekly ordinary time earnings. Those employers who increased their employment over this period (covering 35.4% of full-time adult employees) reported a decrease in average earnings.

In the twelve months since the August 1990 reference date:

- average weekly ordinary time earnings of full-time adult employees have increased by 4.9 per cent.

- average weekly ordinary time earnings of full-time adult females have increased at a substantially higher rate (6.3%) than for males (4.4%).
- average weekly ordinary time earnings of full-time adult employees have increased at nearly equal rates in the public and private sectors (5.1% and 4.8% respectively) with female earnings rising more than male earnings in both sectors. Male ordinary time earnings rose 4.8 per cent in the public sector and 4.2 per cent in the private sector compared to 5.8 per cent and 6.8 per cent respectively for female earnings.
- average weekly total earnings for all employees and all male employees increased at a higher rate in the public sector than in the private sector. Average weekly total earnings for all male employees rose by 3.1 per cent in the public sector compared to 1.8 per cent in the private sector. In contrast the earnings of all female employees rose by more in the private sector than the public sector, 5.7 per cent and 4.7 per cent respectively.
- Victoria (4.3%), Queensland (4.3%) and Tasmania (4.1%) were the only States that recorded increases below the national average of 4.9 per cent in full-time adult ordinary time earnings in the year to August 1991. The largest increases among the States occurred in Western Australia and Northern Territory both of which recorded a rise of 6.9 per cent.

### INQUIRIES

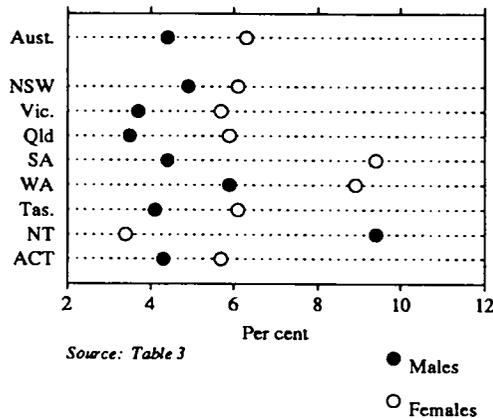
- for further information about statistics in this publication and the availability of related unpublished statistics, contact Mr Mick Atkinson on Canberra (06) 252 6571 or any ABS State office.
- for information about other ABS statistics and services please refer to the back page of this publication.

At the State level the movements in average weekly ordinary time earnings for full-time adults are statistically significant for females in New South Wales, Western Australia, and the Australian Capital Territory. The movements in average weekly ordinary time earnings for full-time adult males are significant in New South Wales, Tasmania, and the Northern Territory. The movements in average weekly ordinary time earnings for full-time adult persons are significant in New South Wales, Tasmania and the Australian Capital Territory.

#### Notes on the estimates

Average weekly earnings statistics represent average gross (before tax) earnings of employees and do not relate to average award rates nor to the earnings of the 'average person'. Estimates of average weekly earnings are derived by dividing estimates of weekly total earnings by estimates of employment. Changes in the averages may be affected not only by changes in the level of earnings of employees but also by changes in the overall composition of the employed wage and salary earners segment of labour force. There are several aspects which can contribute to compositional changes such as variations in the proportions of part-time, casual and junior employees, variations in the occupational distribution within and across industries and variations in the distribution of employment between industries. Such effects may apply differently in the different States, and over time.

ANNUAL MOVEMENT IN AVERAGE WEEKLY ORDINARY TIME EARNINGS OF FULL-TIME ADULT EMPLOYEES, AUGUST 1991



NOTE: The statistics of Average Weekly Earnings are compiled from data obtained from a sample survey of employers. Refer to paragraph 2 of the Explanatory Notes (page 10) for information regarding the sampling frame used by this survey.

IAN CASTLES  
Australian Statistician

TABLE 1. AVERAGE WEEKLY EARNINGS OF EMPLOYEES, AUSTRALIA

Reference period - pay period ending on or before	Males			Females			Persons		
	Full-time adults		All males	Full-time adults		All females	Full-time adults		All employees
	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings
	TOTAL EMPLOYEES								
	— dollars —								
1990—									
18 May	566.60	613.30	555.80	470.20	483.00	361.80	534.10	569.30	470.00
17 August	574.10	619.90	562.70	476.30	488.80	365.00	541.00	575.60	474.80
16 November	589.20	635.80	578.20	488.90	501.20	377.90	555.60	590.60	490.60
1991—									
15 February	597.70	642.50	585.60	499.80	511.90	385.70	564.20	597.80	496.90
17 May	592.00	632.70	569.90	500.50	512.40	378.90	560.80	591.70	484.30
16 August	599.50	637.90	575.40	506.40	517.70	384.10	567.70	596.80	489.30
Standard errors (a)—									
1991—									
August									
Level	4.00	4.00	4.20	2.80	2.80	3.30	3.10	3.20	3.50
Change (quarterly)	2.50	2.60	3.60	2.20	2.20	2.30	2.00	2.20	2.70
Percentage changes:	— per cent —								
Quarterly change to—									
1990—									
May	1.9	2.2	1.7	1.7	1.7	1.0	1.8	1.9	1.1
August	1.3	1.1	1.2	1.3	1.2	0.9	1.3	1.1	1.0
November	2.6	2.6	2.7	2.7	2.5	3.5	2.7	2.6	3.3
1991—									
February	1.4	1.1	1.3	2.2	2.1	2.1	1.6	1.2	1.3
May	-1.0	-1.5	-2.7	0.1	0.1	-1.8	-0.6	-1.0	-2.5
August	1.3	0.8	1.0	1.2	1.0	1.4	1.2	0.9	1.0
Annual change to—									
1990—									
May	6.8	6.4	7.1	6.7	6.4	6.7	6.6	6.1	6.3
August	6.5	6.0	6.8	6.8	6.4	6.7	6.4	5.9	6.3
November	7.7	6.7	7.1	7.6	7.2	8.2	7.5	6.7	7.3
1991—									
February	7.5	7.0	7.2	8.1	7.7	7.6	7.5	7.0	6.9
May	4.5	3.2	2.5	6.4	6.1	4.7	5.0	3.9	3.0
August	4.4	2.9	2.3	6.3	5.9	5.2	4.9	3.7	3.1

(a) See paragraphs 14 to 18 of the Explanatory Notes.

NOTE : This data is also available by Industry.

TABLE 2. AVERAGE WEEKLY EARNINGS OF EMPLOYEES, SECTOR, AUSTRALIA

Reference period - pay period ending on or before	Males			Females			Persons		
	Full-time adults		All males	Full-time adults		All females	Full-time adults		All employees
	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings
PRIVATE SECTOR EMPLOYEES									
— dollars —									
1990—									
18 May	556.40	609.80	540.70	439.80	453.50	323.40	519.40	560.20	444.90
17 August	562.20	615.30	546.40	444.10	457.70	325.70	524.60	565.20	448.60
16 November	577.50	630.30	560.40	456.20	469.50	337.30	539.60	580.00	464.10
1991—									
15 February	585.50	637.30	565.60	466.80	479.80	341.30	547.20	586.50	466.20
17 May	576.80	621.90	546.60	466.40	478.00	333.30	541.70	576.20	451.30
16 August	585.90	628.70	556.40	474.20	485.70	344.10	549.90	582.60	460.80
Standard errors (a)—									
1991—									
August									
Level	5.80	5.90	5.90	4.60	4.60	4.50	4.80	4.80	5.00
Change (quarterly)	3.70	3.90	5.10	3.50	3.60	3.00	3.20	3.30	3.80
Percentage changes:									
— per cent —									
Quarterly change to—									
1990—									
May	2.3	2.5	2.2	1.5	1.3	0.6	2.0	2.1	1.3
August	1.0	0.9	1.1	1.0	0.9	0.7	1.0	0.9	0.8
November	2.7	2.4	2.6	2.7	2.6	3.6	2.8	2.6	3.5
1991—									
February	1.4	1.1	0.9	2.3	2.2	1.2	1.4	1.1	0.5
May	-1.5	-2.4	-3.4	-0.1	-0.4	-2.4	-1.0	-1.8	-3.2
August	1.6	1.1	1.8	1.7	1.6	3.2	1.5	1.1	2.1
Annual change to—									
1990—									
May	6.9	6.4	7.5	6.7	6.2	6.0	6.7	6.1	6.3
August	5.8	5.4	6.6	6.1	5.5	6.1	5.7	5.3	5.9
November	7.2	5.9	6.1	6.3	5.7	6.6	6.8	5.7	6.3
1991—									
February	7.6	7.2	6.9	7.8	7.2	6.2	7.5	6.9	6.1
May	3.7	2.0	1.1	6.1	5.4	3.1	4.3	2.9	1.4
August	4.2	2.2	1.8	6.8	6.1	5.7	4.8	3.1	2.7

(a) See paragraphs 14 to 18 of the Explanatory Notes.

NOTE : This data is also available by Industry.

TABLE 2. AVERAGE WEEKLY EARNINGS OF EMPLOYEES, SECTOR, AUSTRALIA—continued

Reference period - pay period ending on or before	Males			Females			Persons		
	Full-time adults		All males	Full-time adults		All females	Full-time adults		All employees
	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings
<b>PUBLIC SECTOR EMPLOYEES</b>									
— dollars —									
1990—									
18 May	588.20	620.60	591.30	519.60	530.80	450.50	562.40	586.80	528.60
17 August	598.90	629.40	600.40	527.80	538.50	453.70	572.10	595.20	534.70
16 November	613.60	647.00	619.20	539.90	550.70	465.10	585.80	610.70	549.90
1991—									
15 February	621.40	652.50	629.60	550.10	560.80	482.20	594.50	617.90	564.00
17 May	622.80	654.50	622.90	552.10	564.40	480.60	595.70	620.00	558.60
16 August	627.60	656.90	618.90	558.60	569.40	475.10	601.50	623.80	554.10
<i>Standard errors (a)—</i>									
1991—									
August									
Level	1.90	1.90	2.50	1.00	1.00	2.00	1.30	1.30	2.10
Change (quarterly)	0.20	0.20	1.60	1.50	1.60	1.50	0.40	1.00	1.30
<i>Percentage changes:</i>									
— per cent —									
<i>Quarterly change to—</i>									
1990—									
May	1.2	1.4	0.5	1.5	1.8	0.7	1.2	1.4	0.3
August	1.8	1.4	1.5	1.6	1.4	0.7	1.7	1.4	1.1
November	2.5	2.8	3.1	2.3	2.3	2.5	2.4	2.6	2.9
1991—									
February	1.3	0.8	1.7	1.9	1.8	3.7	1.5	1.2	2.6
May	0.2	0.3	-1.1	0.3	0.6	-0.3	0.2	0.3	-1.0
August	0.8	0.4	-0.6	1.2	0.9	-1.1	1.0	0.6	-0.8
<i>Annual change to—</i>									
1990—									
May	6.7	6.3	6.2	6.3	6.4	7.9	6.3	6.1	6.4
August	7.8	7.2	7.1	7.6	7.5	7.3	7.6	7.1	6.9
November	8.7	8.3	8.9	8.6	8.6	9.0	8.5	8.3	8.6
1991—									
February	6.9	6.6	7.1	7.5	7.5	7.7	7.0	6.8	7.0
May	5.9	5.5	5.3	6.2	6.3	6.7	5.9	5.7	5.7
August	4.8	4.4	3.1	5.8	5.7	4.7	5.1	4.8	3.6

(a) See paragraphs 14 to 18 of the Explanatory Notes.

NOTE: This data is also available by Industry.

TABLE 3. AVERAGE WEEKLY EARNINGS OF EMPLOYEES, STATES AND TERRITORIES

Reference period— pay period ending on or before	Males			Females			Persons		
	Full-time adults		All males	Full-time adults		All females	Full-time adults		All employees
	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings
NEW SOUTH WALES									
— dollars —									
1990—									
18 May	583.70	635.70	573.90	476.30	489.50	370.40	547.50	586.40	485.80
17 August	588.00	641.00	581.00	484.90	498.30	376.80	553.10	592.70	492.00
16 November	603.50	658.50	596.50	496.90	510.10	391.20	567.90	608.90	509.20
1991—									
15 February	617.80	667.80	604.90	509.90	522.80	398.20	580.90	618.10	515.20
17 May	600.40	647.70	578.10	503.60	516.80	385.10	567.30	603.00	493.30
16 August	616.70	659.60	590.30	514.50	526.30	390.10	581.50	613.70	501.50
Standard errors (a)—									
1991—									
August									
Level	8.70	8.50	8.60	5.70	5.70	6.00	6.80	6.70	7.00
Change (quarterly)	5.80	5.70	7.20	4.80	4.80	4.10	4.80	4.80	4.90
Percentage changes:									
— per cent —									
Quarterly change to—									
1991—									
February	2.4	1.4	1.4	2.6	2.5	1.8	2.3	1.5	1.2
May	-2.8	-3.0	-4.4	-1.2	-1.1	-3.3	-2.3	-2.5	-4.2
August	2.7	1.8	2.1	2.2	1.8	1.3	2.5	1.8	1.7
Annual change to—									
1991—									
August	4.9	2.9	1.6	6.1	5.6	3.5	5.1	3.5	1.9
VICTORIA									
— dollars —									
1990—									
18 May	568.40	612.80	558.40	475.20	489.90	373.20	536.20	570.30	476.20
17 August	575.60	617.50	560.50	483.90	497.40	374.80	544.10	576.20	478.10
16 November	591.80	632.30	572.40	492.40	506.00	383.50	557.20	588.40	488.20
1991—									
15 February	598.60	641.50	581.30	505.10	518.60	395.20	565.50	597.90	497.40
17 May	594.20	630.00	566.00	507.20	518.90	388.20	564.10	591.50	485.90
16 August	596.90	630.50	572.40	511.60	522.80	398.30	567.40	593.20	494.10
Standard errors (a)—									
1991—									
August									
Level	6.80	7.10	7.80	5.10	5.10	6.90	5.40	5.50	6.90
Change (quarterly)	4.10	4.80	8.40	3.90	4.10	5.40	3.50	3.90	6.70
Percentage changes:									
— per cent —									
Quarterly change to—									
1991—									
February	1.2	1.5	1.6	2.6	2.5	3.0	1.5	1.6	1.9
May	-0.7	-1.8	-2.6	0.4	0.1	-1.8	-0.2	-1.1	-2.3
August	0.4	0.1	1.1	0.9	0.8	2.6	0.6	0.3	1.7
Annual change to—									
1991—									
August	3.7	2.1	2.1	5.7	5.1	6.3	4.3	3.0	3.3

(a) See paragraphs 14 to 18 of the Explanatory Notes.

NOTE : This data is also available by Industry.

TABLE 3. AVERAGE WEEKLY EARNINGS OF EMPLOYEES, STATES AND TERRITORIES—continued

Reference period— pay period ending on or before	Males			Females			Persons		
	Full-time adults		All males	Full-time adults		All females	Full-time adults		All employees
	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings
QUEENSLAND									
— dollars —									
1990—									
18 May	532.90	576.70	521.20	443.00	452.90	333.00	503.50	536.20	438.30
17 August	540.90	582.80	528.60	443.20	454.30	332.30	508.60	540.30	440.60
16 November	557.50	602.90	551.40	460.60	472.00	347.30	526.30	560.80	462.20
1991—									
15 February	553.40	596.80	550.50	467.30	478.50	357.20	525.30	558.30	466.30
17 May	560.60	600.80	549.90	475.10	486.30	356.60	532.30	562.90	463.90
16 August	560.10	600.30	547.80	469.50	482.10	352.30	530.40	561.60	460.60
Standard errors (a)—									
1991—									
August									
Level	6.60	7.50	7.50	4.10	4.60	7.10	5.00	5.70	7.00
Change (quarterly)	2.70	4.30	6.30	4.50	5.10	6.00	1.80	3.70	5.40
Percentage changes:									
— per cent —									
Quarterly change to—									
1991—									
February	-0.7	-1.0	-0.2	1.5	1.4	2.8	-0.2	-0.4	0.9
May	1.3	0.7	-0.1	1.7	1.6	-0.2	1.3	0.8	-0.5
August	-0.1	-0.1	-0.4	-1.2	-0.9	-1.2	-0.3	-0.2	-0.7
Annual change to—									
1991—									
August	3.5	3.0	3.6	5.9	6.1	6.0	4.3	4.0	4.5
SOUTH AUSTRALIA									
— dollars —									
1990—									
18 May	534.90	579.00	524.40	461.10	471.70	344.30	513.00	547.20	447.20
17 August	545.90	589.20	537.90	466.40	477.10	350.10	521.60	554.90	455.20
16 November	560.80	599.30	548.80	484.20	494.20	363.10	537.30	567.00	467.90
1991—									
15 February	571.50	606.80	555.60	492.00	501.40	359.10	546.30	573.30	465.60
17 May	566.90	600.20	544.50	501.90	511.50	360.10	546.40	572.20	459.40
16 August	569.80	603.60	542.70	510.20	519.40	369.10	550.90	576.90	462.60
Standard errors (a)—									
1991—									
August									
Level	7.40	9.00	9.90	8.30	8.00	7.60	5.30	7.20	7.20
Change (quarterly)	5.50	6.20	6.60	5.50	5.00	5.30	3.40	4.20	5.20
Percentage changes:									
— per cent —									
Quarterly change to—									
1991—									
February	1.9	1.2	1.2	1.6	1.5	-1.1	1.7	1.1	-0.5
May	-0.8	-1.1	-2.0	2.0	2.0	0.3	0.0	-0.2	-1.3
August	0.5	0.6	-0.3	1.6	1.6	2.5	0.8	0.8	0.7
Annual change to—									
1991—									
August	4.4	2.4	0.9	9.4	8.9	5.4	5.6	4.0	1.6

(a) See paragraphs 14 to 18 of the Explanatory Notes.

NOTE: This data is also available by Industry.

TABLE 3. AVERAGE WEEKLY EARNINGS OF EMPLOYEES, STATES AND TERRITORIES—continued

Reference period— pay period ending on or before	Males			Females			Persons		
	Full-time adults		All males	Full-time adults		All females	Full-time adults		All employees
	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings
WESTERN AUSTRALIA									
— dollars —									
1990—									
18 May	567.20	612.60	562.00	465.10	477.60	341.30	530.70	564.40	453.90
17 August	585.60	630.70	576.90	465.30	476.20	344.40	542.70	575.70	465.10
16 November	596.00	643.30	592.00	481.10	491.20	360.70	555.90	590.20	484.30
1991—									
15 February	606.60	655.30	606.00	490.50	500.20	363.90	566.20	601.30	492.70
17 May	613.90	654.10	597.60	497.20	507.80	366.50	573.80	603.80	489.10
16 August	619.80	658.20	589.70	506.60	515.60	371.70	580.10	608.20	487.40
Standard errors (a)—									
1991—									
August									
Level	11.20	10.40	12.30	11.40	10.80	11.80	10.20	9.50	11.50
Change (quarterly)	5.80	6.80	7.40	4.50	4.40	5.00	4.30	5.10	5.00
Percentage changes:									
— per cent —									
Quarterly change to—									
1991—									
February	1.8	1.9	2.4	2.0	1.8	0.9	1.9	1.9	1.7
May	1.2	-0.2	-1.4	1.4	1.5	0.7	1.3	0.4	-0.7
August	1.0	0.6	-1.3	1.9	1.5	1.4	1.1	0.7	-0.4
Annual change to—									
1991—									
August	5.9	4.4	2.2	8.9	8.3	7.9	6.9	5.6	4.8
TASMANIA									
— dollars —									
1990—									
18 May	548.50	583.50	530.80	455.50	462.30	338.50	520.20	546.60	449.10
17 August	554.20	584.50	528.20	458.40	463.90	338.80	526.10	549.20	448.60
16 November	558.00	590.70	545.90	464.70	471.60	354.00	531.60	556.90	468.90
1991—									
15 February	563.30	593.20	549.70	472.60	479.00	375.30	537.20	560.30	481.70
17 May	563.60	593.50	535.80	477.90	484.50	357.10	536.30	558.80	457.50
16 August	576.90	606.90	552.30	486.20	494.70	366.80	547.70	570.80	467.70
Standard errors (a)—									
1991—									
August									
Level	5.90	6.30	7.40	8.50	8.60	6.30	6.10	6.40	7.00
Change (quarterly)	5.20	4.90	4.80	8.20	8.10	0.80	4.90	4.70	0.40
Percentage changes:									
— per cent —									
Quarterly change to—									
1991—									
February	0.9	0.4	0.7	1.7	1.6	6.0	1.1	0.6	2.7
May	0.1	0.1	-2.5	1.1	1.2	-4.9	-0.2	-0.3	-5.0
August	2.4	2.2	3.1	1.7	2.1	2.7	2.1	2.1	2.2
Annual change to—									
1991—									
August	4.1	3.8	4.6	6.1	6.6	8.3	4.1	3.9	4.3

(a) See paragraphs 14 to 18 of the Explanatory Notes.

NOTE: This data is also available by Industry.

TABLE 3. AVERAGE WEEKLY EARNINGS OF EMPLOYEES, STATES AND TERRITORIES—continued

Reference period— pay period ending on or before	Males		Females			Persons			
	Full-time adults		All males	Full-time adults		All females	Full-time adults		All employees
	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings	Ordinary time earnings	Total earnings	Total earnings
NORTHERN TERRITORY									
— dollars —									
1990—									
18 May	575.90	638.00	587.40	498.50	516.30	425.60	547.30	593.10	517.40
17 August	578.70	642.10	591.10	505.90	517.80	433.20	551.40	595.40	523.10
16 November	599.10	658.50	599.20	516.20	528.40	443.90	568.40	610.30	533.50
1991—									
15 February	606.60	654.50	603.30	520.60	533.20	446.40	573.90	608.40	535.10
17 May	615.60	674.10	609.60	522.00	540.20	448.10	579.30	622.20	538.00
16 August	632.90	694.40	619.00	523.10	535.00	444.60	589.30	631.20	541.70
Standard errors (a)—									
1991—									
August									
Level	7.70	13.00	14.10	12.20	11.70	8.30	8.90	12.40	11.70
Change (quarterly)	5.70	12.20	10.70	4.60	5.50	11.00	5.30	8.30	9.30
Percentage changes:									
— per cent —									
Quarterly change to—									
1991—									
February	1.2	-0.6	0.7	0.9	0.9	0.6	1.0	-0.3	0.3
May	1.5	3.0	1.1	0.3	1.3	0.4	0.9	2.3	0.5
August	2.8	3.0	1.5	0.2	-1.0	-0.8	1.7	1.4	0.7
Annual change to—									
1991—									
August	9.4	8.1	4.7	3.4	3.3	2.6	6.9	6.0	3.5
AUSTRALIAN CAPITAL TERRITORY									
— dollars —									
1990—									
18 May	647.20	675.30	591.70	523.70	534.20	425.40	597.30	618.30	512.40
17 August	665.60	694.90	620.00	528.40	542.20	432.20	610.30	633.30	530.50
16 November	677.60	705.30	633.40	549.90	559.30	444.20	627.70	648.30	544.90
1991—									
15 February	682.70	712.40	645.70	552.60	561.30	444.40	631.00	652.40	551.00
17 May	684.20	717.70	636.70	548.20	560.70	437.20	630.60	655.80	543.40
16 August	694.30	721.20	648.80	558.30	569.20	441.80	640.50	661.10	550.80
Standard errors (a)—									
1991—									
August									
Level	15.10	15.30	18.70	4.20	4.30	12.40	10.50	10.80	15.30
Change (quarterly)	6.50	6.70	0.30	2.40	2.10	0.10	3.40	3.10	0.10
Percentage changes:									
— per cent —									
Quarterly change to—									
1991—									
February	0.8	1.0	1.9	0.5	0.4	0.0	0.5	0.6	1.1
May	0.2	0.7	-1.4	-0.8	-0.1	-1.6	-0.1	0.5	-1.4
August	1.5	0.5	1.9	1.8	1.5	1.1	1.6	0.8	1.4
Annual change to—									
1991—									
August	4.3	3.8	4.6	5.7	5.0	2.2	4.9	4.4	3.8

(a) See paragraphs 14 to 18 of the Explanatory Notes.

NOTE: This data is also available by Industry.

## EXPLANATORY NOTES

### Introduction

This publication contains estimates of average weekly earnings for August 1991 based on information obtained from a sample survey of employers.

### Coverage adjustment

2. This survey uses as its sampling frame the ABS's register of businesses which is regularly updated to take account of new businesses and businesses ceasing operation. A major source of information on new businesses is group employer (GE) registrations with the Australian Tax Office. The ABS has developed an improved computerised system which reduces the delay in new businesses from this source being recorded on the register, and has completed an analysis to identify businesses which have been omitted from the register in the past. From the May 1991 survey these updates have been implemented. Assessments of improvements to the register have revealed that the effects on the estimates of average weekly earnings are minor and not statistically significant. Therefore no revisions to previously published data have been made.

3. Background information about the average weekly earnings series is provided in *Information Paper: New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime* (6256.0) published on 21 June 1984, copies of which are available on request.

### Scope of the survey

4. All wage and salary earners who received pay for the reference period are represented in the survey, except:

- members of the Australian permanent defence forces;
- employees of enterprises primarily engaged in agriculture, forestry, fishing and hunting;
- employees in private households employing staff;
- employees of overseas embassies, consulates, etc.;
- employees based outside Australia; and
- employees on workers' compensation who are not paid through the payroll.

5. Also excluded are the following persons who are not regarded as employees for the purposes of this survey:

- directors who are not paid a salary;
- proprietors/partners of unincorporated businesses; and
- self-employed persons such as subcontractors, owner/drivers, consultants and persons paid solely by commission without a retainer.

### Survey design

6. A sample of approximately 4,800 employers is selected from the ABS register of businesses to ensure adequate State and industry representation. The sample is updated each quarter to reflect changes in the ABS register of business units. These changes arise from the emergence of new businesses, takeovers and mergers,

changes to industry classification, changes in the number of employees, and businesses which have ceased operations. Such updating of the register can contribute to changes in the estimates of average weekly earnings.

7. Recently the ABS has introduced new definitions and rules for recording units on the register with greater emphasis being given to the way organisations are structured and the type of data available from businesses' accounts. These changes should reduce respondent load and lead to improved data quality. In order to correctly apply these new rules, the ABS is undertaking a program of visits to the largest private and public sector organisations in Australia to obtain up to date information on their structure and operations. The outcome of these visits and the adoption of new units definitions may result in changes in the survey estimates.

8. The statistical unit for the survey comprises all activities of an enterprise in a particular State or Territory. Each statistical unit is classified to an industry which reflects the predominant activity of the enterprise in the State or Territory. In a small number of cases where an enterprise has significant employment in more than one industry, a separate statistical unit is created for each industry. The statistical units are stratified by State, public/private, industry and size of employment and an equal probability sample is selected from each stratum.

### Industry classification

9. Since 1981 additional data items have been collected in the survey each November. Preliminary estimates of average weekly earnings for full-time adult employees classified by industry are included in the November issue of *Average Weekly Earnings, States and Australia* (6302.0). Final estimates are released in the subsequent publication, *Average Earnings and Hours of Employees, Australia* (6304.0)

10. Industry is classified according to the *Australian Standard Industrial Classification (ASIC) 1983 Edition, Volume 1 - The Classification* (1201.0).

### Comparability of results

11. When comparisons are made between period to period movements in average weekly ordinary time earnings (AWOTE) for full-time adults and movements in the Award Rates of Pay Indexes (ARPI) it is important to recognise the different coverage, scope, definitions and methodology used in the construction of each series. In particular, the AWOTE series includes a number of payments additional to award rates of pay used in compiling ARPI. Allowances covered under awards which are not industry or occupation wide in their application such as site, travelling, height and dirt allowances are excluded from ARPI but included in AWOTE. The AWOTE series also includes other payments, such as shift penalty payments and overaward pay. A significant number of employees are not covered by awards but are included in AWOTE. The AWOTE series is affected by composition-

al change in the labour force. However ARPI is not, because it is a fixed-weight index constructed from a representative 'basket' of occupations selected from the May 1985 Survey of Employee Earnings and Hours and subject to reselection and rebasing at infrequent intervals. Other factors affecting comparisons of the two series include seasonal influences on earnings and differences between the two series in the treatment of retrospective pay increases. A detailed description of the methodology, scope and definitions used in ARPI is published in *Award Rates of Pay Indexes, Australia* (6312.0).

12. It is also important to recognise that whilst average employee earnings can be derived from the Survey of Employment and Earnings (SEE) published in *Employed Wage and Salary Earners, Australia* (6248.0), these average earnings will not be comparable with those produced from the Survey of Average Weekly Earnings (AWE). In the AWE survey, information is obtained relating to a specified pay period, the last pay period ending on or before the third Friday of the middle month of the calendar quarter. The SEE collects the sum of employee earnings paid in *all* pay periods ending in a calendar quarter including payments to employees which are excluded from the scope of the AWE survey such as retrospective pay, pay in advance, leave loadings and severance, termination and redundancy payments. Whilst the quarterly earnings produced by the SEE are affected by the varying number of pay periods from quarter to quarter the AWE results are unaffected because of the selection of a specified pay period in the middle of a quarter. The SEE earnings data are also more subject to seasonal variations, particularly in the December and March quarters, due to the incidence of holidays taken in January being paid in advance and the earnings being reported in December quarter figures.

#### Historical series

13. The series was introduced in August 1981 when it replaced the average weekly earnings series based principally on information from payroll tax returns. Revised estimates of average weekly earnings for the period August 1981 to November 1983 were included in *Average Weekly Earnings, States and Australia, March Quarter 1984* (6302.0) published on 12 July 1984. Users who need a measure of the movement in earnings for a period which spans both the payroll tax based and employer survey series should refer to Table 3 in that publication which presents both series linked to a common index base (August 1981 = 100).

#### Reliability of estimates

14. As the estimates in this publication are based on information relating to a sample of employers rather than a full enumeration, they are subject to sampling variability. That is, they may differ from the estimates that would have been produced if the information had been obtained from all employers. This difference, called *sampling error*, should not be confused with inaccuracy that may occur because of imperfections in reporting by respondents or in processing by the ABS. Such inaccuracy is referred to as *non-sampling error* and may occur in any enumeration whether it be a full count or sample. Efforts

have been made to reduce non-sampling error by careful design of questionnaires, detailed checking of returns and quality control of processing.

15. The sampling error associated with any estimate can be estimated from the sample results. One measure of sampling error is given by the *standard error* which indicates the degree to which an estimate may vary from the value that would have been obtained from a full enumeration (the 'true' figure). There are about two chances in three that a sample estimate differs from the true value by less than one standard error, and about nineteen chances in twenty that the difference will be less than two standard errors.

16. An example of the use of a standard error is as follows. If the estimated average earnings was \$500.00 with a standard error of \$4.00, then there would be about two chances in three that a full enumeration would have given an estimate in the range \$496.00 to \$504.00 and about nineteen chances in twenty that it would be in the range \$492.00 to \$508.00.

17. An example of the use of a standard error for a quarterly change estimate is as follows. If the estimated standard error for a quarterly change estimate of average weekly earnings was \$1.00 and the quarterly change estimate between two quarters was \$1.50, then there would be about two chances in three that a full enumeration would have given a quarterly change estimate in the range +\$0.50 to +\$2.50 and about nineteen chances in twenty that it would be in the range -\$0.50 to +\$3.50.

18. Quarterly movements in estimates of average weekly earnings are considered to be statistically significant where they exceed two standard errors.

#### Related publications

19. Users may also wish to refer to the following publications which are available on request:

*Average Earnings and Hours of Employees, Australia* (6304.0)—issued annually

*Distribution and Composition of Employee Earnings and Hours, Australia* (6306.0)—issued annually

*Job Vacancies and Overtime, Australia* (6354.0)—issued quarterly

*Employed Wage and Salary Earners, Australia* (6248.0)—issued quarterly

Information Paper: *New Statistical Series: Employment, Average Weekly Earnings, Job Vacancies and Overtime* (6256.0)

*Average Weekly Earnings, Australia 1941-1990* (6350.0)—to be issued shortly

Occasional Paper No. 1986/1: *Statistics on Wages, Earnings, Income and Labour Costs—A Guide to Their Concepts, Measurement and Usage*

*Award Rates of Pay Indexes, Australia* (6312.0)—issued monthly

*The Labour Force, Australia* (6203.0)—issued monthly

*Labour Force Projections, Australia 1992-2005* (6260.0)

20. Current publications produced by the ABS are listed in the *Catalogue of Publications and Products, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

#### Unpublished statistics

21. In some cases, the ABS can also make available information which is not published. For example, statistics of Average Weekly Earnings classified by industry are available on a special data service. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, floppy disk, computer printout or clerically extracted tabulation. Generally, a charge is made for providing unpublished information. Inquiries should be made to the contact officer or Information Services in the nearest ABS office.

#### Symbols and other usages

22. The estimates of average weekly earnings are rounded to the nearest 10 cents.

23. Percentage changes are calculated on the actual values and may differ from calculations based on rounded estimates.

#### Forthcoming Issues

24. The following table shows the dates on which Catalogues 6301.0 and 6302.0 are expected to be released.

ISSUE	EXPECTED RELEASE DATE
1991	November 6301.0 (Australia, Preliminary) 5 March 1992
	November 6302.0 (States and Australia) 2 April 1992
1992	February 6301.0 (Australia, Preliminary) 28 May 1992
	February 6302.0 (States and Australia) 25 June 1992

## APPENDIX A: GLOSSARY

*Adult employees* are those employees 21 years of age or over and those employees who, although under 21 years of age, are paid at the full adult rate for their occupation.

2. *Average weekly earnings* statistics represent average gross (before tax) earnings of employees and do not relate to average award rates nor to the earnings of the 'average person'. Estimates of average weekly earnings are derived by dividing estimates of weekly total earnings by estimates of employment. Changes in the averages may be affected not only by changes in the level of earnings of employees but also by changes in the overall composition of the labour force. There are several aspects which can contribute to compositional changes such as variations in the proportions of part-time, casual and junior employees, variations in the occupational distribution within and across industries and variations in the distribution of employment between industries.

3. *Employees* refers to all wage and salary earners (as defined in paragraph 4 of the Explanatory Notes) who received pay for any part of the reference period.

4. *Full-time employees* are permanent, temporary and casual employees who normally work the agreed or award hours for a full-time employee in their occupation and received pay for any part of the reference period. If agreed or award hours do not apply, employees are regarded as full-time if they usually work 35 hours or more per week.

5. *Reference period* for the survey refers to the last pay period ending on or before the third Friday of the middle month of the quarter. The reference date for the current survey is 16 August 1991.

6. *Sector*. Public sector includes all local government authorities and government departments, agencies and authorities created by, or reporting to the Commonwealth and State Parliaments. All remaining employees are classified as private sector.

7. *Weekly ordinary time earnings* refers to one week's earnings of employees for the reference period attributable to award, standard or agreed hours of work. It is calculated before taxation and any other deductions (e.g. superannuation, board and lodging) have been made. Included in ordinary time earnings are award payments, base rates of pay, overaward payments, penalty payments, shift and other allowances; commissions if a retainer is also paid; bonuses and similar payments related to the reference period; payments under incentive or piecework; payments under profit-sharing schemes normally paid each pay period; payments for leave taken during the reference period; all workers' compensation payments made through the payroll; and salary payments made to directors. Payments not related to the reference period such as overtime payments, back pay, pay in advance, leave loadings, severance, termination and redundancy payments and other payments are excluded.

8. *Weekly total earnings* of employees is equal to weekly ordinary time earnings plus weekly overtime earnings.

### GENERAL INCREASES IN AWARD WAGES

The following table gives details of general increases in award wages as a result of recent wage hearings (e.g. indexation cases). More detailed information on wage determination in Australia is contained in *Year Book, Australia* (1301.0). Figures for earlier periods were published in *Labour Statistics, Australia, 1980* (6101.0) and in *Award Rates of Pay Indexes, Australia* (6312.0).

#### GENERAL INCREASES IN AWARD WAGES — ADULTS, FEDERAL AND STATE AWARDS, ETC.

<i>Date operative(a)</i>	<i>Increase</i>	<i>Comments</i>
1985		
4 November	3.8 per cent	National Wage Case increase to all States(b). In Queensland the operative date was 11 November 1985.
1986		
1 July	2.3 per cent	National Wage Case increase to all States(c). In Queensland the operative date was 7 July 1986.
1987		
10 March	\$10.00	National Wage Case increase to all States. This is the first tier payment under the two tier wage fixing system. The decision provided for second tier increases, not exceeding 4 per cent of wages and salaries, subject to approval by the Conciliation and Arbitration Commission.
1988		
5 February	\$6.00	National Wage Case increase to all States.
September	3.0 per cent	National Wage Case increase to all States. This is the first part of the increase, which was not to be available before 1 September 1988.
1989		
March	\$10.00	National Wage Case increase to all States. This is the second part of the increase, from the August 1988 National Wage Case, which was not to be available before 1 March 1989.
August	Various	National Wage Case increase to all States. The National Wage Case decision of August 1989 allowed for an increase of \$15 (or 3% whichever is greater) for skilled workers, \$12.50 for semi-skilled workers and \$10 for unskilled workers. A second increase of the same amount will be available no earlier than 6 months after last increase.
1991		
April	2.5 per cent	National Wage Case increase to all States, subject to application to and ratification by the Australian Industrial Relations Commission following agreement by Unions and Employers to changes to specific awards.

(a) Rates are generally operative from the first pay-period on or after the date shown, except where otherwise indicated in the comments. (b) In Queensland some awards were varied by 3.6 per cent only, while in Victoria and Queensland some awards received no increase in total wages. (c) Some awards received no increase.



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