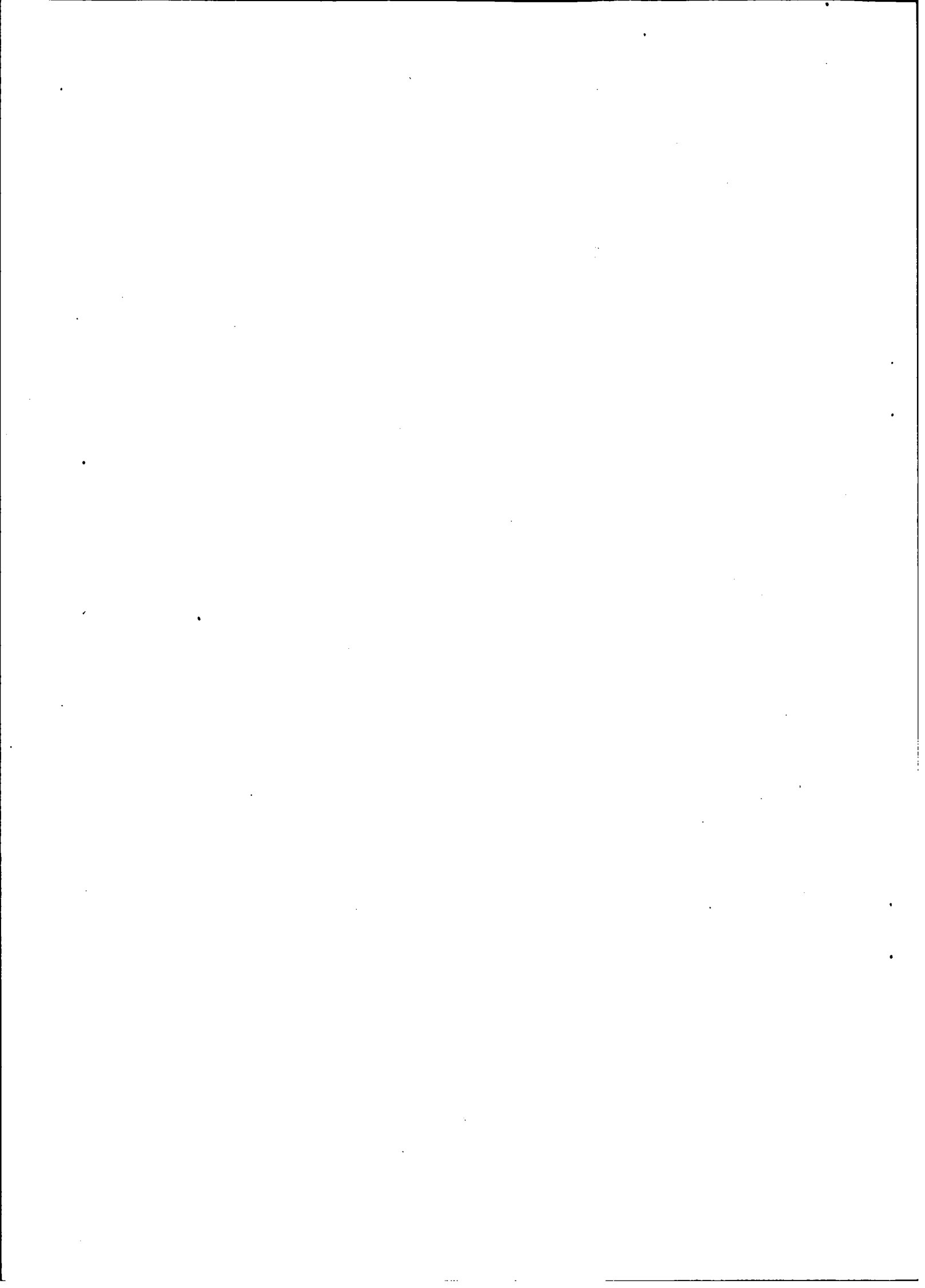


**NOON 5 MARCH 1981**

**WEEKLY EARNINGS OF EMPLOYEES  
(DISTRIBUTION)  
AUSTRALIA  
AUGUST 1980**

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## INQUIRIES

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## EXPLANATORY NOTES

### Introduction

In August 1980 a sample household survey, based on the population survey, was conducted throughout Australia in order to obtain information about the weekly earnings of wage and salary earners. For the sake of brevity, wage and salary earners are referred to in the tables as "employees".

2. Some results of the survey were published on 19 December 1980 in *Weekly Earnings of Employees (Distribution), August 1980 (Preliminary)*, (6309.0).

### The population survey

3. The survey was based on a multi-stage area sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.) and covered about two-thirds of one per cent of the population of Australia. The information was obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers, the interviews being conducted during the two weeks beginning on 11 August 1980.

### Scope

4. The estimates relate to all persons aged 15 years and over who were employed as wage and salary earners in their main job, except:

- (a) members of the permanent defence forces,
- (b) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations,
- (c) overseas visitors holidaying in Australia,
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia,
- (e) patients in hospitals and sanatoria or inmates of gaols, reformatories, etc., and
- (f) persons on workers' compensation.

### Interpretation of results

5. Since the estimates are based on a sample, they are subject to sampling variability. (See Technical note, page 20, for further details.) In addition, they are subject to errors of response and reporting. In many cases the answer to the question on earnings was based on the knowledge of one person (generally the housewife). It is considered that there may be some understatement in the estimates because of imperfect recall of minor or irregular sources of earnings. Other errors may be due to genuine misunderstanding.

6. Other points which should be kept in mind in interpreting the results of this survey are as follows:

- (a) In making comparisons of earnings between groups of employees it must be remembered that there will be differences arising from the different age and occupation structures of these groups. This is particularly important, for

example, when interpreting results in Tables 8, 9 and 14, which show earnings according to birthplace.

- (b) Because employers and self-employed persons were excluded from the survey the results should not be taken as representative of the earnings of all employed persons. In particular, earnings of employees in some occupation groups in Tables 9, 11 and 12 may not reflect the earnings of all persons in those occupations.

### Definitions

7. *Weekly earnings* refers to gross weekly wages and salaries (i.e. before taxation and other deductions have been made). For persons paid other than weekly, earnings were converted to a weekly equivalent.

8. *Median weekly earnings* is the amount which divides the distribution of individuals into two equal groups, one having earnings above and the other below that amount. Medians were calculated from grouped data, the class intervals in some cases being finer than those published in the tables. Linear interpolation was used within the class interval in which the median fell.

9. *Mean weekly earnings* is the amount obtained by dividing the total earnings of a group by the number of units in that group.

10. The *main job* was defined as the job at which most hours were worked during the survey week (i.e. the week before the interview week). The *second job* was defined to include all remaining jobs, in which some hours were worked during the survey week. A person who held more than one job as an employee was classified to the industry and occupation of the main job.

11. *Hours paid for* refers to the number of hours for which an employee was paid and not necessarily to the number of hours actually worked (e.g., an employee on paid leave for the week was asked to report the number of hours for which he was paid).

12. *Hours worked* refers to actual hours worked during the survey week, not necessarily hours paid for. Thus, if a person had been on leave for the whole week, hours worked would have been recorded as nil.

13. *Full-time employees* are those who usually work 35 hours a week or more (in all jobs) and others who, although usually part-time employees, worked 35 hours or more during the survey week. It should be noted that some full-time employees may have worked or been paid for less than a full week. *Part-time employees* are those who usually work less than 35 hours a week and who did so during the survey week. When recording hours of work, fractions of an hour were disregarded.

14. For the purposes of the survey persons were classified as having a second job if, during the survey

week, they :

- (a) worked in a second job; and
- (b) were employed as a wage or salary earner in both of their jobs.

Service in the reserve defence forces was not regarded as a second job. Persons who by the nature of their employment worked for more than one employer, e.g. domestics, odd-job men, baby-sitters, etc., were not counted as multiple jobholders unless they also held another job of a different kind; nor were those who worked for more than one employer solely by reason of changing jobs during the survey week.

15. For a detailed description of industries shown in Tables 4 and 10 refer to *Australian Standard Industrial Classification (ASIC), 1978 Edition, Volume 1 - The Classification (1201.0)*.

#### Comparability of estimates with those for previous years

16. Similar surveys have been conducted annually since August 1975. However, care must be taken in making comparison from one survey period to another as the 1975 survey data related to earnings from *all jobs* and *hours worked*, whereas subsequent survey publications contain tables on earnings from the *main job* as well as *all jobs* and statistics of *hours paid for* as well as *hours worked*.

17. The 1978, 1979 and 1980 survey estimates are based on revised population benchmarks, derived from the 1976 Population Census, adjusted for underenumeration. Estimates of numbers of employees in these surveys are therefore not compatible with those from earlier surveys. Because of resource constraints it is not feasible to calculate estimates on the revised basis for earlier years. However, it is considered that the estimates of mean and median earnings would have been only slightly affected by the change.

18. Industry estimates from the 1980 survey have been classified according to the 1978 version of ASIC. (See paragraph 15.) Estimates from previous surveys were classified according to the 1969 classification. The main industries affected by the change are mining; manufacturing; and finance, property and business services. Although estimates for these industries are not strictly comparable with corresponding industries for previous surveys, the effect of the change is likely to be very small, particularly for estimates of mean and median earnings.

#### Reliability of the estimates

19. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they may differ from the figures that would have been produced if the information had been obtained from occupants of all dwellings. An indication of the likely differences is given in the Technical note, page 20. See also paragraph 12 of the Technical note regarding non-sampling errors.

#### Related publications

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

*Weekly Earnings of Employees (Distribution) (Preliminary)* (6309.0)

*Average Weekly Earnings, (Preliminary)* - (6301.0), and Final Bulletin - (6302.0) - quarterly.

*Earnings and Hours of Employees, Distribution and Composition (Preliminary)* - (6305.0), and Final Bulletin (6306.0) - sample survey conducted annually in May.

*Earnings and Hours of Employees (Preliminary)* - (6303.0), and Final Bulletin - (6304.0) - sample survey conducted annually in October.

*Income Distribution 1973-74 - Part 1, (6502.0), Part 2 (6503.0) and Part 3 (6504.0).*

*Income Distribution Australia, 1978-79 : Individuals (Preliminary)* (6501.0)

*Wage Rates Indexes (Preliminary)* (6311.0) - monthly.

*Wage Rates* (6312.0) - monthly

*The Labour Force* (6203.0) - monthly.

21. All current publications produced by the ABS are listed in *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

#### Symbols and other usages

\* subject to sampling variability too high for most practical uses. See paragraph 7 page 20.

n.e.c. not elsewhere classified

22. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

TABLE 1. ALL EMPLOYEES : WEEKLY EARNINGS IN ALL JOBS, AGE AND FULL-TIME OR PART-TIME STATUS, AUGUST 1980

	Males			Females			Persons		
	Aged 15-19 years	Aged 20 years and over	Total	Aged 15-19 years	Aged 20 years and over	Total	Aged 15-19 years	Aged 20 years and over	Total
FULL-TIME EMPLOYEES									
- '000 -									
Weekly earnings (\$) -									
Under 60	5.5	12.7	18.2	14.3	8.4	12.6	9.7	21.1	30.8
60 and under 80	17.8	9.1	26.8	5.7	15.8	27.8	14.8	42.6	
80 " " 100	48.3	11.5	59.8	48.5	11.6	60.0	96.8	23.0	119.9
100 " " 110	29.6	18.8	48.3	25.8	13.9	39.7	55.4	32.6	88.1
110 " " 120	28.5	16.5	45.0	29.2	15.4	44.6	57.7	31.9	89.7
120 " " 130	22.3	27.5	49.8	26.1	26.9	53.0	48.5	54.4	102.8
130 " " 140	19.5	33.7	53.2	21.9	35.9	57.7	41.4	69.5	110.9
140 " " 150	19.4	46.7	66.1	14.6	48.5	63.1	34.0	95.2	129.2
150 " " 160	17.4	82.7	100.1	10.8	82.6	93.4	28.2	165.3	193.5
160 " " 170	10.8	111.2	122.0	7.7	84.5	92.2	18.5	195.7	214.2
170 " " 180	10.8	105.9	116.7	6.1	84.2	90.4	17.0	190.1	207.1
180 " " 190	9.4	153.1	162.5	4.6	78.2	80.9	12.0	231.4	243.4
190 " " 200	8.2	145.7	153.9	83.4	85.4	10.1	229.1	239.2	
200 " " 210	7.5	252.8	260.4	91.8	93.2	9.0	344.6	353.6	
210 " " 220	6.6	159.3	162.8	66.2	67.1	7.7	225.5	229.9	
220 " " 230		154.1	157.1	51.8	52.0		205.8	209.2	
230 " " 240		125.1	127.0	39.3	39.3		164.3	166.4	
240 " " 250	4.5	137.2	139.0	32.7	32.8	4.9	169.9	171.8	
250 " " 260		141.8	142.6	37.0	37.1		178.7	179.7	
260 " " 280		169.3	170.7	47.9	48.4		217.2	219.0	
280 " " 300		145.6	147.1	34.4	34.6	5.1	180.0	181.7	
300 " " 320	5.3	155.2	156.7	27.2	27.4		182.5	184.1	
320 " " 340		102.8	103.8	16.0	17.0		118.9	120.8	
340 " " 360		87.7	87.8	11.3	11.4		98.9	99.1	
360 " " 380		64.8	65.3	6.8	7.2		71.6	72.5	
380 " " 400		59.1	59.3	5.3	5.3	5.1	64.3	64.6	
400 " " 450		84.2	84.2	8.1	8.4		92.3	92.6	
450 " " 500	*	52.5	53.1	4.6	4.6		57.1	57.8	
500 " " 550		37.5	37.6	6.0	6.3		41.2	41.5	
550 " " 600		23.2	23.4				25.5	25.8	
600 and over		56.0	56.2	7.3	7.4		63.3	63.6	
Total	273.3	2,783.0	3,056.3	215.7	1,072.7	1,288.4	489.0	3,855.7	4,344.7
- dollars -									
Median earnings	123	234	225	117	195	183	119	220	210
Mean earnings	134	261	249	122	208	193	129	246	233
PART-TIME EMPLOYEES (a)									
- '000 -									
Weekly earnings (\$) -									
Under 20	18.9	7.2	26.2	29.9	25.9	55.9	48.9	33.2	82.0
20 and under 40	17.8	8.7	26.5	25.3	55.8	81.2	43.2	64.6	107.7
40 " " 60	7.2	10.1	17.3	6.7	62.5	69.2	13.9	72.7	86.5
60 " " 80	6.8	8.1	10.6	4.6	71.4	76.0	7.1	79.5	86.6
80 " " 100		7.5	11.8	4.6	78.5	83.1	8.9	86.0	94.9
100 " " 110		4.5	5.2	4.5	50.5	52.2	5.0	55.1	57.4
110 " " 120		5.6	7.4		34.0	36.0		37.0	39.6
120 " " 130					34.5	35.4		37.2	39.2
130 " " 140	4.9	5.1	6.3	*	25.2	25.3	4.7	27.5	28.5
140 " " 150					20.9	21.3		23.7	24.4
150 " " 160		6.0	7.4	*	18.5	19.0		21.6	22.8
160 " " 170					16.0	16.4		18.9	20.0
170 " " 180		4.6	5.0	*	11.7	12.1		14.3	15.1
180 " " 190					9.8	9.8	*	11.8	11.8
190 " " 200	*	*	*	*	8.1	8.1		9.1	9.1
200 and over		23.4	23.9	*	37.3	37.3		60.7	61.2
Total	56.6	91.9	148.5	77.5	560.8	638.3	134.1	652.7	786.8
- dollars -									
Median earnings	30	109	68	27	96	89	28	98	86
Mean earnings	44	143	106	38	104	96	41	109	97

For footnote see next page.

TABLE 1. ALL EMPLOYEES : WEEKLY EARNINGS IN ALL JOBS, AGE AND FULL-TIME OR PART-TIME STATUS, AUGUST 1980 - continued

	Males			Females			Persons		
	Aged 15-19 years	Aged 20 years and over	Total	Aged 15-19 years	Aged 20 years and over	Total	Aged 15-19 years	Aged 20 years and over	Total
TOTAL									
- '000 -									
Weekly earnings (\$) -									
Under 20	19.3	10.4	29.8	30.7	27.4	58.1	50.0	37.9	87.9
20 and under 40	19.2	12.0	31.2	26.3	58.7	85.0	45.4	70.7	116.1
40 " " 60	10.9	16.3	27.2	9.2	66.5	75.8	20.2	82.9	103.0
60 " " 80	20.2	17.2	37.4	14.7	77.1	91.8	24.9	94.3	129.2
80 " " 100	52.7	19.0	71.6	53.1	90.0	143.1	105.7	109.0	214.8
100 " " 110	30.2	23.3	53.5	27.5	64.4	91.9	57.7	87.7	145.4
110 " " 120	29.2	19.4	48.7	31.2	49.4	80.6	60.4	68.9	129.3
120 " " 130	23.4	30.2	53.6	27.0	61.4	88.4	50.4	91.6	142.0
130 " " 140	20.4	36.0	56.4	21.9	61.1	83.0	42.3	97.1	139.4
140 " " 150	19.8	49.5	69.2	14.9	69.5	84.4	34.7	118.9	153.6
150 " " 160	18.0	85.8	103.8	11.3	101.1	112.4	29.3	186.9	216.2
160 " " 170	11.6	114.1	125.7	8.1	100.5	108.6	19.6	214.6	234.2
170 " " 180	11.2	108.5	119.8	6.6	95.9	102.4	17.8	204.4	222.2
180 " " 190	9.4	155.1	164.4	4.6	88.1	90.7	12.0	243.1	255.2
190 " " 200	8.2	146.7	154.8		91.6	93.5	10.1	238.2	248.4
200 " " 210	7.5	254.9	262.4	100.1	101.5	9.0	355.0	363.9	
210 " " 220	6.6	160.6	164.1		70.0	70.8	7.7	230.5	234.9
220 " " 230		155.6	158.6	54.2	54.5	209.7		213.1	
230 " " 240	4.9	127.0	129.0	41.6	41.7	5.3	168.6	170.7	
240 " " 250		138.3	140.1	35.2	35.3		173.5	175.4	
250 " " 260	4.7	143.3	144.5	40.8	40.9	184.0	185.4		
260 " " 280		5.4	172.4	173.8	50.5	51.0	222.9	224.8	
280 " " 300	146.8		148.3	36.2	36.4	183.0	184.7		
300 " " 320	89.1	157.6	159.0	31.6	31.8	189.2	190.8		
320 " " 340		104.6	105.5	17.0	18.0	121.6	123.6		
340 " " 360	65.6	89.1	89.2	12.7	12.8	101.7	101.9		
360 " " 380		66.1	66.1	7.3	7.7	72.9	73.8		
380 " " 400	59.4	59.6	5.5	5.5	64.9	65.1			
400 " " 450	*	84.9	84.9	9.0	9.2	93.8	94.1		
450 " " 500		53.2	53.9	4.8	4.8	58.0	58.7		
500 " " 550	23.7	37.5	37.6	7.0	7.3	41.5	41.9		
550 " " 600		23.7	23.8		26.6	26.9			
600 and over		57.3	57.4	7.4	7.5	64.7	64.9		
Total	329.9	2,874.9	3,204.8	293.2	1,633.5	1,926.7	623.1	4,508.4	5,131.5
- dollars -									
Median earnings	114	232	222	105	169	157	110	209	201
Mean earnings	119	257	243	100	172	161	110	226	212

(a) Since part-time employees are defined as those who usually work less than 35 hours and who did so during the survey week, these figures may include school teachers, academic staff in universities, aircrew, etc.

TABLE 2. ALL EMPLOYEES : WEEKLY EARNINGS IN ALL JOBS, MARITAL STATUS AND FULL-TIME OR PART-TIME STATUS, AUGUST 1980

	Males			Females		
	Married (a)	Not married (b)	Total	Married (a)	Not married (b)	Total
FULL-TIME EMPLOYEES						
- '000 -						
Weekly earnings (\$) -						
Under 60	7.0	11.2	18.2	7.0	9.2	12.6
60 and under 80	5.8	21.0	26.8	6.0	12.2	15.8
80 " " 100	6.0	53.8	59.8	6.0	54.0	60.0
100 " " 110	11.8	36.5	48.3	9.8	29.9	39.7
110 " " 120	8.7	36.3	45.0	8.8	35.9	44.6
120 " " 130	16.1	33.7	49.8	16.3	36.7	53.0
130 " " 140	18.4	34.8	53.2	18.9	38.8	57.7
140 " " 150	28.5	37.6	66.1	28.9	34.2	63.1
150 " " 160	48.9	51.2	100.1	51.7	41.7	93.4
160 " " 170	71.8	50.2	122.0	52.6	39.7	92.2
170 " " 180	71.2	45.5	116.7	51.8	38.5	90.4
180 " " 190	100.5	62.0	162.5	48.4	32.6	80.9
190 " " 200	101.1	52.7	153.9	49.8	35.5	85.4
200 " " 210	190.3	70.0	260.4	56.2	36.9	93.2
210 " " 220	122.1	40.7	162.8	37.9	29.2	67.1
220 " " 230	114.7	42.4	157.1	31.3	20.7	52.0
230 " " 240	99.6	27.4	127.0	20.7	18.6	39.3
240 " " 250	103.6	35.4	139.0	17.7	15.1	32.8
250 " " 260	108.8	33.8	142.6	21.4	15.7	37.1
260 " " 280	134.5	36.2	170.7	27.0	21.4	48.4
280 " " 300	117.8	29.3	147.1	22.3	12.3	34.6
300 " " 320	129.2	27.4	156.7	18.8	8.6	27.4
320 " " 340	88.1	15.7	103.8	9.9	7.1	17.0
340 " " 360	76.8	10.9	87.8	6.1	5.2	11.4
360 " " 380	55.4	9.8	65.3	7.1	5.4	7.2
380 " " 400	51.0	8.3	59.3	7.1	5.4	5.3
400 " " 450	72.5	11.6	84.2	9.8	9.5	8.4
450 " " 500	46.0	7.1	53.1	9.8	9.5	4.6
500 " " 550	33.6	6.0	37.6	9.8	9.5	6.3
550 " " 600	21.4	6.0	23.4	9.8	9.5	6.3
600 and over	47.5	8.6	56.2	5.5	*	7.4
Total	2,109.0	947.3	3,056.3	641.8	646.6	1,288.4
- dollars -						
Median earnings	243	190	225	194	168	183
Mean earnings	271	202	249	208	179	193
PART-TIME EMPLOYEES (c)						
- '000 -						
Weekly earnings (\$) -						
Under 20	6.3	23.8	26.2	16.8	39.0	55.9
20 and under 40	4.5	22.6	26.5	44.3	36.9	81.2
40 " " 60	4.5	12.8	17.3	52.8	16.4	69.2
60 " " 80	6.2	7.8	10.6	64.3	11.7	76.0
80 " " 100	6.2	8.3	11.8	70.2	12.9	83.1
100 " " 120	4.9	*	8.8	77.5	10.7	88.2
120 " " 140	*	5.0	6.9	51.7	9.0	60.7
140 " " 160	7.9	6.8	34.4	5.9	5.9	40.4
160 " " 180	7.9	8.6	6.7	23.2	5.2	28.4
180 " " 200	7.9	8.6	*	15.1	*	17.9
200 and over	16.1	7.8	23.9	29.1	8.2	37.3
Total	47.9	100.6	148.5	479.4	158.9	638.3
- dollars -						
Median earnings	140	46	68	98	44	89
Mean earnings	169	76	106	104	71	96

(a) Includes permanently separated and de facto relationships. (b) Never married, widowed and divorced. (c) Since part-time employees are defined as those who usually work less than 35 hours and who did so during the survey week, these figures may include school teachers, academic staff in universities, aircrew, etc.



TABLE 3. ALL EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND HOURS PAID FOR, AUGUST 1980

	Hours paid for -								Total
	1-19	20-29	30-34	35-39	40	41-44	45-48	49 and over	
<b>MALES</b>									
- '000 -									
Weekly earnings (\$) -									
Under 20	24.7								30.1
20 and under 40	26.8					5.1			31.7
40 " " 60	16.4	12.8	7.9	7.8			9.3	5.0	27.5
60 " " 80	8.7					14.1			38.5
80 " " 100	7.2					43.0			73.5
100 " " 110				*	30.8				54.7
110 " " 120	5.4	7.3		5.8	27.1		9.7	6.3	47.9
120 " " 130			6.8	5.7	31.5				53.3
130 " " 140		5.6		*	36.1	4.6			56.3
140 " " 150	5.0	*		7.3	43.3	*	6.6		68.6
150 " " 160		4.6	7.8	11.9	67.7	5.2	*	7.6	104.3
160 " " 170				14.8	88.0	6.7	5.5	5.6	127.8
170 " " 180		6.4		15.3	77.6	9.4	5.1	7.1	120.3
180 " " 190			5.4	15.7	116.7	12.3	6.4	7.5	166.1
190 " " 200	6.3	6.4		21.4	98.6	15.0	7.6	8.4	155.5
200 " " 210			5.5	33.6	168.1	20.8	16.1	18.1	264.5
210 " " 220		4.5		18.3	106.2	17.9	9.7	8.7	166.0
220 " " 230		*	5.2	19.7	93.0	17.9	10.5	12.0	159.9
230 " " 240				17.6	67.7	21.2	8.2	10.2	128.9
240 " " 250				23.6	73.7	14.1	13.9	12.3	140.2
250 " " 260			6.7	25.0	65.5	20.3	12.4	16.1	143.7
260 " " 280	4.6	9.2		33.0	73.1	25.9	16.3	17.2	171.5
280 " " 300				30.5	51.5	22.2	16.7	21.6	146.9
300 " " 320			5.6	37.8	46.0	20.2	19.0	27.9	157.1
320 " " 340				19.9	29.2	15.9	13.8	20.5	103.1
340 " " 360			6.3	20.6	22.2	15.8	8.6	18.1	87.8
360 " " 380	3.1	6.0		13.3	13.3	10.6	9.0	15.5	64.9
380 " " 400				14.6	11.2	9.4	8.0	15.5	60.8
400 and over			*	42.1	36.0	42.1	22.9	102.4	253.4
<b>Total</b>	<b>108.3</b>	<b>68.4</b>	<b>61.5</b>	<b>463.5</b>	<b>1,536.4</b>	<b>350.3</b>	<b>231.0</b>	<b>385.5</b>	<b>3,204.8</b>
- dollars -									
Median earnings	43	163	203	252	205	254	259	305	221
Mean earnings	77	180	221	266	213	277	277	331	242
<b>FEMALES</b>									
- '000 -									
Weekly earnings (\$) -									
Under 20	54.3	*	*	*	*	*			58.8
20 and under 40	81.2	*	*	*	*	*			86.9
40 " " 60	66.1	5.2	*	*	*	*		4.7	77.1
60 " " 80	66.3	9.0	*	*	9.1	*			92.0
80 " " 100	49.4	35.0	5.1	9.5	36.0	6.0	4.9		144.2
100 " " 110	16.4	31.9	6.3	8.4	23.8				91.1
110 " " 120	11.0	22.9	5.5	9.9	28.3	5.6		5.0	82.2
120 " " 130	9.9	19.7	8.4	12.9	33.0	6.5			88.4
130 " " 140	5.6	13.6	8.7	12.0	35.8				82.9
140 " " 150	5.5	11.3	6.5	13.5	41.2				84.6
150 " " 160		10.1	8.6	20.5	62.9	7.9	5.6	5.7	112.4
160 " " 170	5.8	7.3	7.0	19.6	62.8	6.1			108.0
170 " " 180			9.3	23.2	55.0	6.1			102.2
180 " " 190	4.5	10.6	6.2	23.9	45.9	5.4	6.0	5.8	90.4
190 " " 200				31.7	42.4	5.9			92.9
200 " " 210		5.1	7.2	34.4	47.9	*	5.2		101.3
210 " " 220				23.9	31.8	5.3			70.3
220 " " 230			6.9	19.3	25.5	*		5.1	54.1
230 " " 240	5.9	5.0		13.8	15.8	5.4			40.9
240 " " 250			9.4	12.6	13.3		7.5	5.4	35.1
250 " " 260		*		13.2	15.3	5.6			41.2
260 " " 280				18.1	16.7	*		*	50.7
280 and over	*	4.7	11.0	45.1	33.8	10.0	7.0	25.0	138.9
<b>Total</b>	<b>384.2</b>	<b>197.3</b>	<b>110.4</b>	<b>370.0</b>	<b>679.9</b>	<b>89.3</b>	<b>36.3</b>	<b>59.4</b>	<b>1,926.7</b>
- dollars -									
Median earnings	57	116	163	199	171	188	206	250	157
Mean earnings	65	128	176	204	177	196	218	294	160

TABLE 4. ALL EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND INDUSTRY, AUGUST 1980

		MALES						
		<i>Agriculture, forestry, fishing, etc.</i>	<i>Mining</i>	<i>Manufacturing</i>	<i>Electricity, gas and water</i>	<i>Construction</i>	<i>Wholesale and retail trade</i>	<i>Transport and storage</i>
		- '000 -						
<i>Weekly earnings (\$) -</i>								
Under 60		4.9	*	7.8			37.6	
60 and under 80		5.1	*	8.6		6.2	12.0	5.2
80 " " 100		5.6		22.4		8.4	20.0	
100 " " 110				13.4	5.9		14.6	
110 " " 120		7.8		12.4		8.6	10.5	7.5
120 " " 130				12.0		6.1	11.9	
130 " " 140		9.1		16.1		5.4	14.3	
140 " " 150			8.9	19.1		5.7	11.5	8.7
150 " " 160		7.9		33.8	8.3	8.5	19.4	8.7
160 " " 170		7.2		41.0		10.7	23.7	8.1
170 " " 180		8.0		37.0	5.0	8.0	25.2	7.8
180 " " 190		4.7		56.8	6.2	11.0	37.9	9.0
190 " " 200		7.7		50.5	7.7	12.4	27.8	10.4
200 " " 210		6.8		82.9	12.3	29.1	45.4	16.3
210 " " 220			7.0	56.0	6.5	17.2	26.9	14.8
220 " " 230		6.1		53.2	8.0	18.4	24.0	15.6
230 " " 240				41.8	6.6	17.2	20.7	8.1
240 " " 250		7.5	8.5	40.7	7.6	16.9	18.2	11.8
250 " " 260				37.9	4.7	19.3	23.2	10.6
260 " " 280				48.9	4.8	18.9	25.4	13.7
280 " " 300				37.1	5.4	12.6	19.7	12.9
300 " " 320		7.4		38.8	4.8	12.9	19.8	12.4
320 " " 340			9.2	27.4	5.5	8.1	13.1	6.8
340 " " 400				47.1	8.3	13.4	23.1	19.5
400 and over		6.2		48.3	10.5	15.0	26.3	24.6
<b>Total</b>		<b>102.1</b>	<b>73.4</b>	<b>890.9</b>	<b>118.0</b>	<b>290.0</b>	<b>552.2</b>	<b>232.3</b>
		- dollars -						
Median earnings		164	319	216	229	224	202	235
Mean earnings		181	339	234	257	235	211	263
		- '000 -						
		<i>Communication</i>	<i>Finance, property and business services</i>	<i>Public administration and defence (a)</i>	<i>Community services</i>	<i>Recreation, personal and other services</i>	<i>Total</i>	
<i>Weekly earnings (\$) -</i>								
Under 60		*	5.3	*	12.6	14.0	89.3	
60 and under 80							38.5	
80 " " 100			5.6		6.5	7.3	73.5	
100 " " 110							54.7	
110 " " 120		4.9				4.7	47.9	
120 " " 130							53.3	
130 " " 140							56.3	
140 " " 150							68.6	
150 " " 160		5.4			4.6	7.3	104.3	
160 " " 170					5.5		127.8	
170 " " 180					8.6		120.3	
180 " " 190					9.3		166.1	
190 " " 200		10.3			7.5	8.0	155.5	
200 " " 210		6.6			9.5	5.0	264.5	
210 " " 220		9.4	17.1	12.8	21.3	7.0	166.0	
220 " " 230		6.7	9.5	8.2	10.6		159.9	
230 " " 240		4.5	8.3	7.3	12.0	8.6	128.9	
240 " " 250		6.0	9.5	7.3	9.4		140.2	
250 " " 260		4.6	7.4	8.5	14.5	11.2	143.7	
260 " " 280			11.3	8.5	14.0		171.5	
280 " " 300		4.7	10.9	12.6	19.6	5.8	146.9	
300 " " 320		5.2	14.8	10.2	19.1	4.5	157.1	
320 " " 340		6.0	13.2	11.2	27.3	7.1	103.1	
340 " " 400			9.1	8.1	16.5		213.5	
400 and over		5.6	18.7	17.1	40.1	5.7	253.4	
<b>Total</b>		<b>84.7</b>	<b>223.8</b>	<b>184.6</b>	<b>336.6</b>	<b>116.2</b>	<b>3,204.8</b>	
		- dollars -						
Median earnings		219	240	249	260	195	221	
Mean earnings		244	263	274	278	202	242	

(a) Excludes defence forces.

TABLE 4. ALL EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND INDUSTRY, AUGUST 1980 - *continued*

FEMALES					
	<i>Manufacturing</i>	<i>Wholesale and retail trade</i>	<i>Transport and storage</i>	<i>Communication</i>	<i>Finance, property and business services</i>
- '000 -					
<i>Weekly earnings (\$) -</i>					
Under 60	10.9	83.6	}	}	11.7
60 and under 80	7.3	27.1			}
80 " " 100	13.5	46.5	8.0	5.9	
100 " " 120	23.0	51.3	}	}	21.8
120 " " 140	29.3	44.5			}
140 " " 160	55.9	33.5	6.6	4.9	
160 " " 180	47.6	45.6	5.6	*	23.0
180 " " 200	29.0	35.4	5.4	6.1	29.2
200 " " 240	45.2	38.8	10.1	5.0	33.4
240 " " 280	10.7	9.0	}	}	15.6
280 and over	8.7	10.5			6.4
<b>Total</b>	<b>280.9</b>	<b>425.7</b>	<b>42.2</b>	<b>28.5</b>	<b>205.3</b>
- dollars -					
Median earnings	160	122	183	181	166
Mean earnings	165	127	183	173	167
	<i>Public administration and defence (a)</i>	<i>Community services</i>	<i>Recreation, personal and other services</i>	<i>Other (b)</i>	<i>Total</i>
- '000 -					
<i>Weekly earnings (\$) -</i>					
Under 60	5.6	49.9	49.6	7.8	222.9
60 and under 80	}	27.4	15.7	}	92.0
80 " " 100		6.6	39.3		19.1
100 " " 120		42.7	19.4	5.2	173.2
120 " " 140		44.9	16.7	5.4	171.3
140 " " 160		48.1	18.0	4.9	197.0
160 " " 180		51.2	15.9	}	210.3
180 " " 200		51.5	10.4		8.8
200 " " 240		91.9	14.0	9.8	266.6
240 " " 280		67.9	}	}	126.9
280 and over		91.9			8.5
<b>Total</b>	<b>93.1</b>	<b>606.5</b>	<b>187.3</b>	<b>57.2</b>	<b>1,926.7</b>
- dollars -					
Median earnings	184	180	109	146	157
Mean earnings	186	188	115	153	160

(a) Excludes defence forces. (b) Comprises agriculture, forestry, fishing etc.; mining; electricity, gas and water; and construction.

**TABLE 5. EMPLOYEES WHO WORKED IN A SECOND JOB : WEEKLY EARNINGS IN MAIN JOB AND WEEKLY EARNINGS IN SECOND JOB, AUGUST 1980**

	Males					Females								
	Weekly earnings in second job			Mean weekly earnings in second job	Standard error	Weekly earnings in second job			Mean weekly earnings in second job	Standard error				
	Under \$30	\$30 and over	Total			Under \$30	\$30 and over	Total						
'000	'000	'000	\$	\$	'000	'000	'000	\$	\$					
Weekly earnings in main job (\$) –														
Under 140	4.6	6.6	11.0	46	2.80	7.4	9.2	16.6	42	2.10				
140 and under 160			*	4.5	5.8			63	5.40	*	7.3	10.4	58	3.70
160 " " 180					4.9			59	5.40					
180 " " 200					5.4			65	5.00					
200 " " 220					5.2			76	6.60					
220 " " 240			5.3	16.7	22.0			61	2.70					
240 and over	5.3	16.7	22.0	61	2.70									
<b>Total</b>	<b>13.6</b>	<b>42.6</b>	<b>56.2</b>	<b>60</b>	<b>1.60</b>	<b>10.5</b>	<b>16.4</b>	<b>27.0</b>	<b>48</b>	<b>1.90</b>				
	– dollars –													
Median earnings in main job	206	222	219	..	..	99	122	115	..	..				
Mean earnings in main job	204	227	222	..	..	115	133	126	..	..				

**TABLE 6. EMPLOYEES WHO WORKED IN A SECOND JOB : NUMBER, MEDIAN AND MEAN WEEKLY EARNINGS IN ALL JOBS (a), HOURS WORKED IN MAIN JOB AND HOURS WORKED IN SECOND JOB, AUGUST 1980**

Hours worked in second job	Hours worked in main job								
	Under 35			35 and over			Total		
	Number of employees ('000)	Median earnings (\$)	Mean earnings (\$)	Number of employees ('000)	Median earnings (\$)	Mean earnings (\$)	Number of employees ('000)	Median earnings (\$)	Mean earnings (\$)
	MALES								
Under 5	*	*	*	10.9	280	300	14.7	269	264
5 and over	11.9	199	242	29.5	284	307	41.4	267	288
<b>Total</b>	<b>15.8</b>	<b>194</b>	<b>223</b>	<b>40.4</b>	<b>283</b>	<b>305</b>	<b>56.2</b>	<b>268</b>	<b>282</b>
	FEMALES								
Under 5	6.7	96	107	*	*	*	8.8	110	141
5 and over	13.5	160	167	4.7	239	256	18.2	182	190
<b>Total</b>	<b>20.2</b>	<b>138</b>	<b>147</b>	<b>6.7</b>	<b>236</b>	<b>255</b>	<b>27.0</b>	<b>161</b>	<b>174</b>

(a) Includes earnings in main job whether employee actually worked or was on paid leave at any time during the survey week.

**TABLE 7. EMPLOYEES WHO WORKED IN A SECOND JOB : WEEKLY EARNINGS AND HOURS WORKED IN SECOND JOB, AUGUST 1980**

	Hours worked in second job					
	Males			Females		
	Under 5	5 and over	Total	Under 5	5 and over	Total
	– '000 –					
Weekly earnings in second job (\$) –						
Under 30	8.4	5.1	13.6	7.5	*	10.5
30 and over	6.3	36.3	42.6	*	15.2	16.4
<b>Total</b>	<b>14.7</b>	<b>41.4</b>	<b>56.2</b>	<b>8.8</b>	<b>18.2</b>	<b>27.0</b>
	– dollars –					
Median earnings	27	61	49	18	55	39
Mean earnings	31	71	60	21	61	48

TABLE 8. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN ALL JOBS AND BIRTHPLACE, AUGUST 1980

	Australia	Main English- speaking countries (a)	Germany, Federal Republic of	Greece	Italy	Yugoslavia	Other	Total					
MALES													
- '000 -													
Weekly earnings (\$) -													
Under 100	91.3	7.1	*	*	*	*	*	104.8					
100 and under 110	38.3	5.4	}	}	}	}	}	48.4					
110 " " 120	39.2	6.7						45.0					
120 " " 130	40.8							*	10.4	6.6	25.7	49.8	
130 " " 140	39.4	5.4						4.9				53.2	
140 " " 150	51.9	4.5										66.1	
150 " " 160	72.2	9.8										100.1	
160 " " 170	87.0	11.7							7.0	4.7	6.0	10.7	122.0
170 " " 180	78.7	11.9							4.7	7.7	8.3	11.6	116.7
180 " " 190	109.3	17.1							*	8.2		18.1	162.5
190 " " 200	109.3	15.5							8.7	6.3		14.8	153.9
200 " " 210	172.6	30.7	5.0		11.2	8.6	26.7	260.4					
210 " " 220	115.9	19.0			5.4	6.0	16.8	162.8					
220 " " 230	113.1	19.5		6.0	5.4		12.9	157.1					
230 " " 240	90.1	15.4			4.8		12.9	127.0					
240 " " 250	98.1	19.0	4.6		5.1	5.9	11.2	139.0					
250 " " 260	101.7	20.9			*		11.8	142.6					
260 " " 300	224.8	48.7	*	8.7	7.3	5.2	26.0	317.8					
300 and over	531.9	112.6	11.4		8.5	5.9	52.6	727.2					
Total	2,205.5	380.9	28.8	42.3	90.9	53.1	254.9	3,056.3					
- dollars -													
Median earnings	225	246	255	203	205	206	220	225					
Mean earnings	249	269	280	220	218	224	246	249					
FEMALES													
- '000 -													
Weekly earnings (\$) -													
Under 100	76.3	8.4	*	*	*	*	*	88.4					
100 and under 110	33.3	6.9	}	}	}	}	}	39.7					
110 " " 120	37.5											44.6	
120 " " 130	42.2	6.5						*	6.0	9.4	6.4	17.1	53.0
130 " " 140	45.1												57.7
140 " " 150	40.9	5.9											63.1
150 " " 160	57.3	9.5							5.4	5.2	6.5	11.1	93.4
160 " " 170	63.4	10.5								4.6		9.5	92.2
170 " " 180	65.6	7.9						4.7			6.2	9.8	90.4
180 " " 200	124.8	20.5							6.6	*		11.3	166.3
200 and over	382.3	66.5						5.1		4.9	4.5	34.0	499.6
Total	968.6	142.5	12.4	18.2	27.7	24.5	94.5	1,288.4					
- dollars -													
Median earnings	184	195	192	155	158	164	178	183					
Mean earnings	193	204	207	158	166	174	193	193					

(a) Comprises U.K., Ireland, Canada, South Africa, U.S.A. and New Zealand.

NOTE. See page 2 paragraph 6(a) and Technical Note, paragraphs 5 and 6, regarding interpretation of the figures in this table.

TABLE 9. FULL-TIME EMPLOYEES : NUMBER, MEAN WEEKLY EARNINGS IN ALL JOBS  
BIRTHPLACE AND OCCUPATION, AUGUST 1980

Occupation	Males			Females		
	Number ('000)	Per cent of total	Mean weekly earnings (\$)	Number ('000)	Per cent of total	Mean weekly earnings (\$)
<b>BORN IN AUSTRALIA</b>						
Professional, technical, etc.	286.4	13.0	325	228.5	23.6	251
Administrative, executive and managerial	175.1	7.9	332	17.2	1.8	245
Clerical	238.4	10.8	240	412.8	42.6	184
Sales	131.1	5.9	233	94.7	9.8	151
Farm workers, etc.	110.7	5.0	185	7.5	0.8	130
Transport and communication	160.8	7.3	254	22.2	2.3	200
Tradesmen, production-process workers and labourers, n.e.c. (a)	988.5	44.8	222	82.3	8.5	158
Service, sport and recreation	114.5	5.2	250	103.4	10.7	167
<b>Total</b>	<b>2,205.5</b>	<b>100.0</b>	<b>249</b>	<b>968.6</b>	<b>100.0</b>	<b>193</b>
<b>BORN IN MAIN ENGLISH-SPEAKING COUNTRIES (b)</b>						
Professional, technical, etc.	64.5	16.9	326	34.8	24.4	255
Administrative, executive and managerial	34.4	9.0	347	*	*	*
Clerical	29.9	7.8	260	51.3	36.0	197
Sales	26.4	6.9	237	11.9	8.4	178
Farm workers, etc.	8.7	2.3	194	*	*	*
Transport and communication	21.5	5.6	257	*	*	*
Tradesmen, production-process workers and labourers, n.e.c. (a)	172.2	45.2	246	17.7	12.4	168
Service, sport and recreation	23.3	6.1	249	18.1	12.7	182
<b>Total</b>	<b>380.9</b>	<b>100.0</b>	<b>269</b>	<b>142.5</b>	<b>100.0</b>	<b>204</b>
<b>BORN IN OTHER COUNTRIES</b>						
<i>Germany, Federal Republic of -</i>						
Tradesmen, production-process workers and labourers, n.e.c. (a)	15.2	52.9	258	*	*	*
<b>Total</b>	<b>28.8</b>	<b>100.0</b>	<b>280</b>	<b>12.4</b>	<b>100.0</b>	<b>207</b>
<i>Greece -</i>						
Tradesmen, production-process workers and labourers, n.e.c. (a)	30.2	71.4	219	13.7	75.2	155
<b>Total</b>	<b>42.3</b>	<b>100.0</b>	<b>220</b>	<b>18.2</b>	<b>100.0</b>	<b>158</b>
<i>Italy -</i>						
Professional, technical, etc.	4.5	5.0	264	*	*	*
Transport and communication	5.2	5.7	208	*	*	*
Tradesmen, production-process workers and labourers, n.e.c. (a)	64.3	70.7	213	16.1	58.1	159
Service, sport and recreation	5.9	6.5	199	4.7	17.1	171
<b>Total</b>	<b>90.9</b>	<b>100.0</b>	<b>218</b>	<b>27.7</b>	<b>100.0</b>	<b>166</b>
<i>Yugoslavia -</i>						
Tradesmen, production-process workers and labourers, n.e.c. (a)	45.2	85.2	221	16.2	66.0	170
<b>Total</b>	<b>53.1</b>	<b>100.0</b>	<b>224</b>	<b>24.5</b>	<b>100.0</b>	<b>174</b>
<i>Other countries -</i>						
Professional, technical, etc.	31.6	12.4	319	17.4	18.4	250
Administrative, executive and managerial	16.9	6.6	320	*	*	*
Clerical	20.9	8.2	240	27.8	29.4	196
Sales	11.3	4.5	232	*	*	*
Transport and communication	15.0	5.9	246	*	*	*
Tradesmen, production-process workers and labourers, n.e.c. (a)	139.9	54.7	226	28.7	30.3	172
Service, sport and recreation	15.0	5.9	228	14.5	15.4	164
<b>Total</b>	<b>254.9</b>	<b>100.0</b>	<b>246</b>	<b>94.5</b>	<b>100.0</b>	<b>193</b>
<b>TOTAL</b>						
Professional, technical, etc.	393.5	12.9	324	285.8	22.2	251
Administrative, executive and managerial	236.8	7.7	331	23.1	1.8	239
Clerical	297.3	9.7	242	504.2	39.1	186
Sales	173.9	5.7	233	112.5	8.7	155
Farm workers, etc.	126.8	4.1	186	8.6	0.7	128
Transport and communication	208.5	6.8	252	28.2	2.2	199
Tradesmen, production-process workers and labourers, n.e.c. (a)	1,455.0	47.6	225	176.8	13.7	163
Service, sport and recreation	164.5	5.4	245	149.0	11.6	169
<b>Total</b>	<b>3,056.3</b>	<b>100.0</b>	<b>249</b>	<b>1,288.4</b>	<b>100.0</b>	<b>193</b>

(a) Includes miners and quarrymen. (b) Comprises U.K., Ireland, Canada, South Africa, U.S.A. and New Zealand.

NOTE. See page 2, paragraph 6(a) and Technical Note, paragraphs 5 to 9 inclusive, regarding interpretation of the figures in this table.

TABLE 10. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND INDUSTRY, AUGUST 1980

MALES							
	<i>Agriculture, forestry, fishing, etc.</i>	<i>Mining</i>	<i>Manufacturing</i>	<i>Electricity, gas and water</i>	<i>Construction</i>	<i>Wholesale and retail trade</i>	<i>Transport and storage</i>
- '000 -							
<i>Weekly earnings (\$) -</i>							
Under 100	13.2	*	30.9	*	10.3	28.1	*
100 and under 110	} 6.9 {	} *	13.1	} *	} 8.3 {	12.6	} 4.5 {
110 " " 120			12.0			10.0	
120 " " 130	} 6.0 {	} *	11.6	} 4.5 {	} 5.4 {	11.1	} *
130 " " 140			15.1			13.5	
140 " " 150	} 7.4 {	} 5.1 {	18.4	} 6.0 {	} 5.6 {	11.0	} *
150 " " 160			32.8			19.1	
160 " " 170	} 8.0 {	} 5.1 {	40.5	} 5.0 {	} 8.0 {	23.1	} 7.8 {
170 " " 180			35.9			24.8	
180 " " 190	} 5.4 {	} 4.9 {	56.1	} 6.2 {	} 11.0 {	37.9	} 8.5 {
190 " " 200			50.5			27.8	
200 " " 210	} 6.8 {	} 4.9 {	82.5	} 7.7 {	} 12.4 {	27.8	} 10.4 {
210 " " 220			55.4			26.7	
220 " " 230	} 6.1 {	} 6.3 {	53.1	} 6.5 {	} 17.2 {	26.7	} 14.3 {
230 " " 240			41.6			20.7	
240 " " 250	} 7.5 {	} 5.1 {	40.7	} 7.6 {	} 16.7 {	20.7	} 7.9 {
250 " " 260			37.7			18.0	
260 " " 280	} 4.6 {	} 6.7 {	48.7	} 4.8 {	} 19.0 {	23.2	} 10.5 {
280 " " 300			48.7			25.3	
300 " " 320	} 5.6 {	} 5.6 {	37.0	} 5.4 {	} 18.9 {	19.5	} 12.9 {
320 " " 340			38.7			19.8	
340 " " 400	} 5.6 {	} *	27.1	} 5.2 {	} 8.1 {	13.1	} 6.8 {
400 and over			12.3			47.1	
Total	98.1	73.1	874.6	117.3	280.4	503.3	225.3
- dollars -							
Median earnings	168	320	217	229	226	207	237
Mean earnings	186	339	236	257	239	226	265
	<i>Communication</i>	<i>Finance, property and business services</i>	<i>Public administration and defence (a)</i>	<i>Community services</i>	<i>Recreation, personal and other services</i>	<i>Total</i>	
- '000 -							
<i>Weekly earnings (\$) -</i>							
Under 100	*	5.0	*	8.5	5.0		108.0
100 and under 110	} *	} 7.4 {	} *	} 5.5 {	} 7.4 {	} 48.6 {	44.5
110 " " 120							49.6
120 " " 130	} 4.6 {	} 7.9 {	} 5.7 {	} 5.0 {	} 6.0 {	} 53.4 {	65.7
130 " " 140							100.7
140 " " 150	} 5.8 {	} 5.9 {	} 4.6 {	} 5.2 {	} 7.9 {	} 4.8 {	124.3
150 " " 160							117.4
160 " " 170	} 6.9 {	} 7.9 {	} 6.8 {	} 9.1 {	} *	} 117.4 {	164.1
170 " " 180							164.1
180 " " 190	} 6.6 {	} 6.2 {	} 7.4 {	} 13.2 {	} 7.9 {	} 164.1 {	154.7
190 " " 200							154.7
200 " " 210	} 9.3 {	} 16.8 {	} 12.7 {	} 20.7 {	} 7.0 {	} 262.4 {	262.4
210 " " 220							164.5
220 " " 230	} 4.5 {	} 8.3 {	} 7.3 {	} 11.6 {	} *	} 164.5 {	158.4
230 " " 240							158.4
240 " " 250	} 7.9 {	} 9.4 {	} 7.3 {	} 8.6 {	} 7.1 {	} 127.0 {	127.0
250 " " 260							139.2
260 " " 280	} 4.7 {	} 10.9 {	} 12.3 {	} 17.7 {	} 5.6 {	} 141.8 {	168.9
280 " " 300							168.9
300 " " 320	} 5.2 {	} 14.7 {	} 10.2 {	} 18.9 {	} 4.5 {	} 145.7 {	145.7
320 " " 340							145.7
340 " " 400	} 4.6 {	} 13.2 {	} 11.2 {	} 26.0 {	} 6.5 {	} 154.5 {	154.5
400 and over							101.4
Total	84.0	213.9	181.5	311.2	93.6		3,056.3
- dollars -							
Median earnings	219	245	250	265	211		224
Mean earnings	245	269	276	287	231		248

(a) Excludes defence forces.

TABLE 10. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND INDUSTRY, AUGUST 1980 - *continued*

## FEMALES

	<i>Manufacturing</i>	<i>Wholesale and retail trade</i>	<i>Transport and storage</i>	<i>Communication</i>	<i>Finance, property and business services</i>
- '000 -					
<i>Weekly earnings (\$) - Under 100</i>	10.1	30.8	*	*	10.1
100 and under 110	5.1	14.6	}	}	6.0
110 " " 120	6.4	18.2			7.6
120 " " 130	9.7	15.4	} 5.9	}	6.9
130 " " 140	13.2	14.5			6.7
140 " " 150	16.5	13.3	}	}	8.1
150 " " 160	35.7	13.2			10.1
160 " " 170	26.2	20.0	} 6.5	} 5.2	9.4
170 " " 180	19.9	21.8			9.6
180 " " 190	14.4	17.3	} 5.3	}	10.5
190 " " 200	13.7	16.9			15.4
200 " " 210	16.3	15.3	} 5.5	}	13.2
210 " " 220	12.8	9.3			7.7
220 " " 240	14.9	13.0	4.6	}	11.1
240 " " 280	10.4	8.1	} 6.4		}
280 and over	8.6	10.1			
<b>Total</b>	<b>233.8</b>	<b>251.8</b>	<b>35.1</b>	<b>22.4</b>	<b>154.2</b>
- dollars -					
<i>Median earnings</i>	168	163	196	190	182
<i>Mean earnings</i>	178	166	201	193	184
- '000 -					
	<i>Public administration and defence (a)</i>	<i>Community services</i>	<i>Recreation, personal and other services</i>	<i>Other (b)</i>	<i>Total</i>
<i>Weekly earnings (\$) - Under 100</i>	*	20.7	8.4	4.5	89.7
100 and under 110	} 6.4	8.2	} 4.9	} 6.1	39.9
110 " " 120		6.1			45.1
120 " " 130	} 5.6	10.2	}	}	53.2
130 " " 140		12.4			57.8
140 " " 150		13.6	}	}	63.3
150 " " 160	*	18.4			7.5
160 " " 170	5.8	18.1	6.5	}	92.0
170 " " 180	6.0	20.6	7.0		90.3
180 " " 190	5.9	21.4	4.7	} 4.9	81.2
190 " " 200	5.8	21.8	4.9		86.0
200 " " 210	6.4	28.7	5.4	} 5.7	92.9
210 " " 220	5.2	21.4	} 7.7		}
220 " " 240	6.1	31.7			
240 " " 280	9.4	61.9	5.0		118.0
280 and over	8.2	82.9	*	*	127.7
<b>Total</b>	<b>78.2</b>	<b>398.0</b>	<b>79.3</b>	<b>35.6</b>	<b>1,288.4</b>
- dollars -					
<i>Median earnings</i>	194	210	167	186	182
<i>Mean earnings</i>	203	224	171	188	193

(a) Excludes defence forces. (b) Comprises agriculture, forestry, fishing, etc.; mining; electricity, gas and water; and construction.



TABLE 11. FULL-TIME EMPLOYEES : WEEKLY EARNINGS IN MAIN JOB AND OCCUPATION, AUGUST 1980

	Professional and technical, etc.	Administrative, executive and managerial	Clerical	Sales	Farmers, fishermen, timber-getters, etc.	Transport and communication	Tradesmen, production-process workers and labourers, n.e.c. (a)	Service, sport and recreation	Total
MALES									
- '000 -									
Weekly earnings (\$) -									
Under 100	6.3	*	6.1	6.9	15.5		63.3	7.5	108.0
100 and under 110			5.0	6.6	8.3	5.5	28.2		48.6
110 " " 120			5.4				27.3		44.5
120 " " 130	6.1	5.6	6.5	6.6	6.6		25.5	6.5	49.6
130 " " 140			7.0		*		31.9		53.4
140 " " 150			7.9	*	7.7	6.7	36.0	*	65.7
150 " " 160	6.2	7.0	9.8	6.5	9.3	5.4	54.7	6.3	100.7
160 " " 170	6.5		9.0	6.8	11.6	9.1	70.0	7.9	124.3
170 " " 180	7.9		10.3	9.3	7.4	8.7	64.5	7.3	117.4
180 " " 190	7.9	5.4	11.1	9.9	8.5	11.9	99.8	11.7	164.1
190 " " 200	10.3	*	15.8	9.2	6.5	12.5	85.9	10.5	154.7
200 " " 210	15.3	10.0	21.2	15.4	9.8	25.6	151.6	13.5	262.4
210 " " 220	9.0	*	17.5	10.6		17.3	93.6	8.2	164.5
220 " " 230	10.3	9.7	15.3	10.6	8.0	16.9	84.5	7.1	158.4
230 " " 240	10.6	7.0	16.3	9.6	*	7.1	69.1	4.7	127.0
240 " " 250	12.9	10.3	13.8	7.5	5.1	8.1	73.9	7.5	139.2
250 " " 260	18.1	12.5	19.5	10.0		9.3	63.4	6.8	141.8
260 " " 280	26.8	16.2	21.3	10.4	6.6	11.3	73.0	8.0	168.9
280 " " 300	27.7	15.5	19.8	11.4		10.5	49.7	8.5	145.7
300 " " 320	37.8	19.5	17.7	8.0		8.5	50.8	10.1	154.5
320 " " 340	25.5	14.2	10.8	6.5	4.9	6.1	35.3	5.6	101.4
340 " " 360	23.0	14.2	8.8			5.1	26.2	4.7	86.6
360 " " 380	17.1	12.1		8.3		5.5	18.5		64.1
380 " " 400	19.6	11.2		5.5			17.8	7.1	60.5
400 " " 450	29.2	16.1	5.4		5.1	5.9	20.1		81.3
450 " " 500	18.6	9.4					12.8	6.3	52.6
500 " " 550	13.8	7.4	7.6	5.6		5.3	9.8		37.2
550 and over	23.1	21.4				6.2	17.8	4.8	79.3
Total	393.5	236.8	297.3	173.9	126.8	208.5	1,455.0	164.5	3,056.3
- dollars -									
Median earnings	306	307	230	218	172	221	209	219	224
Mean earnings	322	330	241	231	186	251	224	245	248
FEMALES									
- '000 -									
Weekly earnings (\$) -									
Under 100	8.6		30.6	18.1			12.5	14.9	89.7
100 and under 110			16.1	9.3	5.3		*	5.5	39.9
110 " " 120	7.4		22.3	9.0		6.4	5.9	*	45.1
120 " " 130	5.6	5.3	23.7	7.6			9.4	5.2	53.2
130 " " 140	6.3		19.7	9.1			12.3	7.7	57.8
140 " " 150	5.0		23.2	6.2	*		16.9	10.4	63.3
150 " " 160	7.4		27.0	6.1	*		33.0	17.1	94.0
160 " " 170	5.4		33.8	9.4	*		23.9	16.9	92.0
170 " " 180	12.0		35.3	10.7	*	7.2	16.3	12.2	90.3
180 " " 190	9.9		36.6	5.4	*		10.3	13.0	81.2
190 " " 200	11.7	4.6	48.1	8.7	*	5.6	8.1	9.7	86.0
200 " " 210	17.1		48.7		*		8.6	9.2	92.9
210 " " 220	14.6		35.6	5.0	*		5.6	5.5	66.7
220 " " 230	13.1	7.9	26.7		*	5.1	*		51.9
230 " " 240	12.2		19.0		*		*	6.1	38.7
240 " " 280	62.5		37.3	7.8	*	*			118.0
280 and over	87.1	5.3	20.5		*	*	6.6	11.6	127.7
Total	285.8	23.1	504.2	112.5	8.6	28.2	176.8	149.0	1,288.4
- dollars -									
Median earnings	245	223	186	145	131	192	158	166	182
Mean earnings	250	239	185	154	128	198	163	169	193

(a) Includes miners and quarrymen.

NOTE. See page 2, paragraph 6(b) regarding interpretation of the figures in this table.

TABLE 12. FULL-TIME EMPLOYEES AGED 20 YEARS AND OVER : MEAN WEEKLY EARNINGS IN MAIN JOB, BY PRINCIPAL OCCUPATIONS, AUGUST 1980

Code no. (a)	Occupation	Mean weekly earnings (\$)
<b>MALES</b>		
<b>001 - 091</b>	<b>Professional, technical and related workers</b>	<b>325</b>
001 - 011	Architects, engineers and surveyors, professional	373
012 - 016	Chemists, physicists, geologists and other physical scientists	377
017 - 020	Biologists, veterinarians, agronomists and related scientists	343
021 - 022	Medical practitioners and dentists	435
023 - 027	Nurses, including probationers or trainees	266
028 - 037	Professional medical workers, n.e.c.	320
038 - 058	Teachers, lecturers and related profession (universities, colleges, schools, etc.)	339
059 - 060	Clergy and related members of religious orders	165
062 - 065	Artists, entertainers, writers and related workers	310
066 - 078	Draftsmen and technicians, n.e.c.	274
079 - 091	Other professional, technical and related workers	327
<b>100 - 119</b>	<b>Administrative, executive and managerial workers</b>	<b>330</b>
100 - 109	Administrative and executive officials, government, n.e.c.	326
110 - 119	Directors and managers, n.e.c.	331
<b>150 - 155</b>	<b>Clerical workers</b>	<b>251</b>
150	Book-keepers and cashiers	234
152 - 155	Other clerical workers	252
<b>200 - 211</b>	<b>Sales workers</b>	<b>244</b>
200 - 201	Insurance, real estate salesmen, auctioneers and valuers	277
202	Commercial travellers and manufacturers agents	254
203 - 211	Salesmen, shop assistants and related workers	229
<b>300 - 337</b>	<b>Farmers, fishermen, hunters, timbergetters and related workers</b>	<b>196</b>
300 - 316	Farmers and farm managers	192
317 - 331	Farm workers including farm foremen	190
<b>400 - 414</b>	<b>Miners, quarrymen and related workers</b>	<b>342</b>
400 - 411	Miners, mineral prospectors and quarrymen	344
<b>500 - 531</b>	<b>Workers in transport and communication</b>	<b>254</b>
505 - 507	Drivers and firemen, rail transport	258
508 - 513	Drivers, road transport	245
514	Guards and conductors, railway	293
515 - 520	Inspectors, supervisors, traffic controllers and despatchers, transport	276
526 - 528	Postmasters, postmen and messengers	209
<b>600 - 747</b>	<b>Tradesmen, production-process workers and labourers, n.e.c.</b>	<b>235</b>
600 - 606	Spinners, weavers, knitters, dyers and related workers	203
607 - 615	Tailors, cutters, furriers and related workers	198
616 - 618	Leather cutters, lasters, sewers (except gloves and garments) and related workers	204
619 - 623	Furnacemen, rollers, drawers, moulders, and related metal making and treating workers	242
624 - 631	Precision instrument makers, watchmakers, jewellers and related workers	266
632 - 649	Machine toolmakers, metal machinists, mechanics, plumbers and related metal workers	245
650 - 659	Electricians and related electrical and electronic workers	259
660 - 664	Metal workers, metal and electrical production-process workers, n.e.c.	222
665 - 675	Carpenters, woodworking machinists, cabinet makers and related workers	223
676 - 677	Painters and decorators	216
678 - 686	Bricklayers, plasterers and construction workers, n.e.c.	247
687 - 692	Compositors, printing machinists, engravers, bookbinders and related workers	250
693 - 698	Potters, kilnmen, glass and clay formers and related workers	237
699 - 707	Millers, bakers, butchers, brewers and related food and drink workers	222
708 - 710	Chemical, sugar and paper production process workers	265
712 - 719	Paper products, rubber, plastic and production-process workers, n.e.c.	215
720	Packers, wrappers, labellers	193
721 - 727	Stationary engine, excavating and lifting equipment operators	249
728 - 730	Storemen and freight handlers	217
731 - 743	Labourers, n.e.c.	209
<b>800 - 823</b>	<b>Service, sport and recreation workers</b>	<b>251</b>
800 - 802	Fire brigade, police and other protective service workers	301
803 - 809	Housekeepers, cooks, helpers and related workers (hospitals, hotels, boarding schools, etc.)	241
810 - 811	Waiters, bartenders	207
812 - 813	Caretakers, cleaners (offices and buildings)	198
819 - 823	Service, sport, recreation workers, n.e.c.	232

For footnote see next page.

TABLE 12. FULL-TIME EMPLOYEES AGED 20 YEARS AND OVER : MEAN WEEKLY EARNINGS IN MAIN JOB, BY PRINCIPAL OCCUPATIONS, AUGUST 1980 - *continued*

Code no. (a)	Occupation	Mean Weekly earnings (\$)
<b>FEMALES</b>		
001 - 091	<b>Professional, technical and related workers</b>	257
023 - 027	Nurses, including probationers or trainees	227
028 - 037	Professional medical workers, n.e.c.	264
038 - 058	Teachers, lecturers and related profession (universities, colleges, schools, etc.)	284
062 - 065	Artists, entertainers, writers and related workers	234
066 - 078	Draftswomen and technicians, n.e.c.	223
079 - 091	Other professional, technical and related workers (accountants, social workers, librarians, etc.)	262
100 - 119	<b>Administrative, executive and managerial workers</b>	239
110 - 119	Directors and managers, n.e.c.	239
150 - 155	<b>Clerical workers</b>	200
150	Book-keepers and cashiers	196
151	Stenographers and typists	200
152 - 155	Other clerical workers	201
200 - 211	<b>Sales workers</b>	182
203 - 211	Saleswomen, shop assistants and related workers	177
300 - 337	<b>Farmers, fisherwomen, hunters, timbergetters and related workers</b>	133
317 - 331	Farmworkers including farm forewomen	146
500 - 531	<b>Workers in transport and communication</b>	201
521 - 525	Telephone, telegraph and related telecommunication operators	200
600 - 747	<b>Tradeswomen, production-process workers and labourers, n.e.c.</b>	170
600 - 606	Spinners, weavers, knitters, dyers and related workers	157
607 - 615	Tailors, cutters, furriers and related workers	160
616 - 618	Leather cutters, lasters, sewers (except gloves and garments) and related workers	155
632 - 649	Machine toolmakers, metal machinists, mechanics, plumbers and related metal workers	167
660 - 664	Metal workers, metal and electrical production-process workers, n.e.c.	186
687 - 692	Compositors, printing machinists, engravers, bookbinders and related workers	179
699 - 707	Millers, bakers, butchers, brewers, and related food and drink workers	177
712 - 719	Paper products, rubber, plastic and production-process workers, n.e.c.	167
720	Packers, wrappers, labellers	171
800 - 823	<b>Service, sport and recreation workers</b>	180
803 - 809	Housekeepers, cooks, maids and related workers (hospitals, hotels, boarding schools, etc.)	173
810 - 811	Waitresses and bartenders	188
812 - 813	Caretakers, cleaners (offices and buildings)	184
814	Barbers, hairdressers and beauticians	175
815	Launderers, dry cleaners and pressers	164
819 - 823	Service, sport, recreation workers, n.e.c.	191

(a) According to the classification of occupations used for the 1976 Population Census.

NOTE. Care should be exercised in interpreting the estimates in this table, for the following reasons: (a) The estimates relate only to employees aged 20 years and over. Employers and self-employed persons are therefore excluded. (b) Because particulars of educational qualifications were not obtained in the survey the information on occupations cannot be checked, and for certain groups, especially Professional, Technical and Related Workers (001 - 091), may be subject to misreporting. (c) Some occupation groups shown cover a variety of activities. (d) The estimates are subject to sampling variability. See Technical Note, paragraphs 5 and 6.

TABLE 13. FULL-TIME EMPLOYEES BORN OVERSEAS : WEEKLY EARNINGS IN ALL JOBS  
AND PERIOD OF ARRIVAL IN AUSTRALIA, AUGUST 1980

	Period of arrival in Australia				Total
	Before 1960	1960-1969	1970-1974	1975-Aug. 1980	
<b>MALES</b>					
- '000 -					
Weekly earnings (\$) -					
Under 120	6.6	12.7	6.1	*	29.3
120 and under 140	6.9	7.7	5.1	} 7.4 {	22.8
140 " " 160	12.6	15.6	9.6		42.1
160 " " 170	12.8	12.1	5.9	} 8.4 {	35.0
170 " " 180	16.0	11.4	6.4		38.0
180 " " 190	19.3	19.3	8.3	6.3	53.2
190 " " 200	17.3	14.4	7.6	5.3	44.6
200 " " 210	28.3	31.1	17.6	10.8	87.8
210 " " 220	15.6	17.4	8.2	5.7	46.9
220 " " 230	17.2	14.4	8.1	} 8.9 {	44.0
230 " " 240	13.8	11.8	6.7		36.9
240 " " 250	15.1	16.1	6.4	} 8.9 {	40.9
250 " " 260	13.6	15.6	6.1		40.9
260 " " 280	16.4	21.7	8.7	} 9.0 {	52.2
280 " " 300	15.8	14.1	7.3		40.8
300 " " 320	18.1	11.7	7.0	4.9	41.7
320 " " 360	20.5	16.2	9.4	5.9	52.0
360 " " 400	9.9	12.5	7.6	*	33.7
400 and over	25.5	21.2	10.9	10.2	67.9
<b>Total</b>	<b>301.3</b>	<b>297.0</b>	<b>152.9</b>	<b>99.6</b>	<b>850.8</b>
- dollars -					
Median earnings	229	225	222	224	226
Mean earnings	256	248	248	256	252
<b>FEMALES</b>					
- '000 -					
Weekly earnings (\$) -					
Under 140	8.6	18.7	13.6	8.3	49.1
140 and under 150	6.0	8.4	4.9	*	22.2
150 " " 160	7.4	14.5	7.8	6.4	36.1
160 " " 170	6.6	10.1	6.9	5.2	28.8
170 " " 180	6.1	9.1	6.4	} 7.6 {	24.8
180 " " 190	4.7	6.4	6.1		21.6
190 " " 200	4.6	6.3	5.2	*	19.9
200 " " 220	12.8	13.7	7.7	7.3	41.4
220 " " 240	4.5	7.2	*	*	19.2
240 " " 280	7.8	9.6	5.5	6.5	29.4
280 and over	7.6	7.7	6.6	5.5	27.3
<b>Total</b>	<b>76.7</b>	<b>111.6</b>	<b>74.2</b>	<b>57.3</b>	<b>319.8</b>
- dollars -					
Median earnings	188	175	176	186	180
Mean earnings	197	188	190	202	193

TABLE 14. FULL-TIME EMPLOYEES BORN OVERSEAS : NUMBER, MEDIAN AND MEAN WEEKLY EARNINGS IN ALL JOBS, BIRTHPLACE AND PERIOD OF ARRIVAL IN AUSTRALIA, AUGUST 1980

Birthplace	Period of arrival in Australia								
	Before 1960			1960-1969			1970-1974		
	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)
<b>MALES</b>									
Main English-speaking countries (a)	102.5	252	274	153.7	240	261	71.6	257	271
Germany, Federal Republic of	15.9	243	271	9.6	257	274	*	*	*
Greece	12.9	202	223	21.0	203	217	6.6	201	225
Italy	53.5	202	216	32.0	211	221	*	*	*
Yugoslavia	7.8	239	258	20.8	208	222	22.1	203	217
Other	108.6	230	260	59.9	223	244	47.7	213	232
<b>Total</b>	<b>301.3</b>	<b>229</b>	<b>256</b>	<b>297.0</b>	<b>225</b>	<b>248</b>	<b>152.9</b>	<b>222</b>	<b>248</b>
<b>FEMALES</b>									
Main English-speaking countries (a)	26.6	204	209	56.1	194	201	31.2	185	192
Germany, Federal Republic of	7.5	196	215	*	*	*	*	*	*
Greece	*	*	*	8.6	154	155	*	*	*
Italy	13.1	159	172	12.4	155	161	*	*	*
Yugoslavia	*	*	*	7.1	171	172	13.7	163	175
Other	22.7	188	202	23.8	175	189	23.5	178	200
<b>Total</b>	<b>76.7</b>	<b>188</b>	<b>197</b>	<b>111.6</b>	<b>175</b>	<b>188</b>	<b>74.2</b>	<b>176</b>	<b>190</b>
<b>1975-August 1980</b>									
Birthplace	1975-August 1980			Total					
	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)	Number ('000)	Median weekly earnings (\$)	Mean weekly earnings (\$)			
<b>MALES</b>									
Main English-speaking countries (a)	53.2	250	279	380.9	246	269			
Germany, Federal Republic of	*	*	*	28.8	255	280			
Greece	*	*	*	42.3	203	220			
Italy	*	*	*	90.9	205	218			
Yugoslavia	*	*	*	53.1	206	224			
Other	38.7	207	227	254.9	220	246			
<b>Total</b>	<b>99.6</b>	<b>224</b>	<b>256</b>	<b>850.8</b>	<b>226</b>	<b>252</b>			
<b>FEMALES</b>									
Main English-speaking countries (a)	28.6	203	219	142.5	195	204			
Germany, Federal Republic of	*	*	*	12.4	192	207			
Greece	*	*	*	18.2	155	158			
Italy	*	*	*	27.7	158	166			
Yugoslavia	*	*	*	24.5	164	174			
Other	24.5	172	184	94.5	178	193			
<b>Total</b>	<b>57.3</b>	<b>186</b>	<b>202</b>	<b>319.8</b>	<b>180</b>	<b>193</b>			

(a) Comprises U.K., Ireland, Canada, South Africa, U.S.A., and New Zealand.

NOTE. See page 2, paragraph 6(a) and Technical Note, paragraphs 5 and 6, regarding interpretation of the figures in this table.

## TECHNICAL NOTE

**Estimation procedure**

Estimates derived from the survey are obtained by using a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself.

**Reliability of the estimates**

2. Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. Another measure is the *relative standard error*, which expresses the standard error as a percentage of the estimate.

3. Space does not allow for the separate indication of the standard error of all estimates in this publication. Table A shows standard errors of estimates of numbers of employees for a range of estimate sizes, while Table B shows relative standard errors of estimates of mean and median earnings for different numbers of employees. These figures will not give a precise measure of the standard error of a particular estimate, but they will provide an indication of its magnitude.

4. An example of the use of Table A is as follows: Table 2 shows that the estimated number of male full-time employees in Australia whose weekly earnings were between \$140 and \$150 was 66,100. Table A shows the standard errors of Australian estimates of 50,000 and 100,000 to be 2,900 and 3,900 respectively. By interpolation the standard error of an estimate of 66,100 is approximately 3,300. Therefore there are about two chances in three that the number of employees whose weekly earnings were between \$140 and \$150 would be between 62,800 and 69,400, and about nineteen chances in twenty that the number would be between 59,500 and 72,700, if all dwellings had been included in the survey.

5. The procedure for obtaining the standard error of an estimated mean or median is as follows: from the table containing the mean or median obtain the number of employees to which it refers, from Table B obtain the percentage standard error appropriate to that number, interpolating where necessary, and apply this percentage to the estimated mean or median. If the estimate relates to part-time employees the standard error should be multiplied by 2 for males and 1.4 for females and persons.

6. An example of the use of Table B is as follows: Table 2 shows the mean weekly earnings of all female full-time employees in Australia as \$193, and the number of such employees as 1,288,400. Table B shows the relative standard errors of estimates based on 1,000,000 and 1,500,000 employees to be 0.64 per cent and 0.52 per cent respectively. By interpolation the relative standard error of the estimate is about 0.58 per cent, or \$1.10 (0.58 per cent of \$193). Therefore there are about two chances in three that the mean weekly earnings of female full-time employees would fall within the range \$191.90 to \$194.10, and about nineteen chances in twenty that they would fall within the range \$190.80 to \$195.20, if all dwellings had been included in the survey.

7. As the standard errors in the tables show, the smaller the estimated number of employees the higher is the relative standard error. Very small estimates are thus subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In this publication estimates below the levels shown in Table A, and means and medians based on such estimates, have not been included. Although figures for numbers of employees can in some cases be derived by subtraction they should not be regarded as reliable.

8. The reliability of an estimated percentage, computed by using sample data for both numerator and denominator, depends upon both the size of the numerator and the size of the denominator. However, the relative standard error of the estimated percentage will generally be lower than the relative standard error of the estimate of the numerator. The relative standard errors of the numerators can be obtained from Table A.

9. The procedure for obtaining approximate standard errors of percentages is shown by the following example: in Table 9 the percentage of Australian-born male full-time employees in clerical occupations is shown as 10.8 and the numerator (i.e. the number of such employees) as 238,400. By interpolation from Table A the standard error of the numerator is approximately 5,500; the relative standard error is therefore 2.3 per cent (since 5,500 is 2.3 per cent of 238,400). The standard error of the percentage in clerical occupations is therefore approximately 2.3 per cent of 10.8, i.e. 0.2. Thus there are about two chances in three that the percentage that would have been obtained if all dwellings had been included in the survey is in the range 10.6 to 11.0 per cent and about nineteen chances in twenty that it is in the range 10.4 to 11.2 per cent.

10. Published figures may also be used to estimate the difference between two survey estimates (estimates of numbers, means, medians and percentages). Such figures are themselves estimates and therefore subject to sampling error. The sampling error of the difference between two survey estimates depends on the standard

errors of the original estimates and on the relationship (correlation) between the estimates. An approximate standard error of the difference between two estimates (x-y) may be calculated by the following formula:

$$\text{Standard error (x-y)} = \sqrt{\{\text{Standard error (x)}\}^2 + \{\text{Standard error (y)}\}^2}$$

While this formula will be exact only for differences between separate and uncorrelated (unrelated) characteristics or sub-populations, it is expected to provide a good approximation for all differences likely to be of interest in this publication.

11. An example of the use of the above formula is as follows: Table 2 shows that for full-time employees the difference between the estimates of the mean weekly earnings of all married females and all not married females was \$29 (\$208 - \$179). By using the procedure outlined in paragraph 5 the standard errors of the two original estimates can be approximated as \$1.70 and

\$1.40 respectively. Therefore the standard error of the difference of \$29 is  $\sqrt{(\$1.70)^2 + (\$1.40)^2}$ , or \$2.20 (rounded to the nearest 10 cents). Therefore there are about two chances in three that the difference that would have been obtained if all dwellings had been included in the survey is between \$26.80 to \$31.20 and about nineteen chances in twenty that it is between \$24.60 and \$33.40.

12. The imprecision due to sampling variability, which is measured by the standard error, should not be confused with inaccuracies that may occur because of imperfections in reporting by interviewers and respondents. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or only a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures. See page 2, paragraph 5.

TABLE A - STANDARD ERRORS OF ESTIMATES

Size of estimate	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia	
									- number -	Per cent of estimate
1,500						300				
2,000						340	470	440		
2,500				510	510	380	510	480		
3,000				550	560	410	550	510		
3,500			740	590	590	430	590	540		
4,000			780	620	630	460	620	560		
4,500	1,000	1,000	820	650	660	480	650	590	970	21.6
5,000	1,100	1,100	860	680	690	500	680	610	1,000	20.0
6,000	1,200	1,200	930	730	750	530	740	650	1,100	18.0
10,000	1,500	1,400	1,200	900	920	640	910	750	1,400	14.0
20,000	2,000	1,900	1,500	1,200	1,200	810	1,200	910	2,000	10.0
50,000	3,000	2,700	2,200	1,600	1,700	1,100	1,700	1,100	2,900	5.8
100,000	3,900	3,500	2,800	2,100	2,100	1,300		1,300	3,900	3.9
200,000	5,000	4,400	3,600	2,600	2,600	1,500			5,100	2.6
300,000	5,800	5,000	4,100	2,900	2,900				6,000	2.0
500,000	6,900	5,800	4,800	3,300	3,300				7,200	1.4
1,000,000	8,500	7,000	5,900						9,100	0.9
2,000,000									11,000	0.6
5,000,000	10,000	8,400							15,000	0.3

TABLE B - ESTIMATES OF RELATIVE STANDARD ERRORS OF MEANS AND MEDIANS (PER CENT)

Number of employees	N.S.W.	Vic	Qld.	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia
1,000	23.45	23.45	19.62	16.58	15.73	12.86	16.58	16.58	20.31
1,500	19.15	19.15	16.02	13.54	12.85	10.49	13.54	13.54	16.58
2,000	16.58	16.58	13.87	11.73	11.12	9.08	11.73	11.73	14.36
3,000	13.54	13.54	11.33	9.57	9.08	7.42	9.57	9.57	11.73
5,000	10.49	10.49	8.78	7.42	7.04	5.75	7.42	7.42	9.08
7,000	8.86	8.86	7.42	6.27	5.95	4.86	6.27	6.27	7.68
10,000	7.42	7.42	6.21	5.24	4.98	4.06	5.24	5.24	6.42
15,000	6.06	6.06	5.07	4.28	4.06	3.32	4.28	4.28	5.24
20,000	5.24	5.24	4.39	3.71	3.52	2.87	3.71	3.71	4.54
30,000	4.28	4.28	3.58	3.03	2.87	2.35	3.03	3.03	3.71
50,000	3.32	3.32	2.78	3.25	2.23	1.82		2.35	2.87
70,000	2.80	2.80	2.35	1.98	1.88	1.54			2.43
100,000	2.35	2.35	1.96	1.66	1.57	1.29			2.03
150,000	1.91	1.91	1.60	1.35	1.28				1.66
200,000	1.66	1.66	1.39	1.17	1.11				1.44
300,000	1.35	1.35	1.13	0.96	0.91				1.17
500,000	1.05	1.05	0.88						0.91
700,000	0.89	0.89							0.77
1,000,000	0.74	0.74							0.64
1,500,000	0.61								0.52
2,000,000									0.45
3,000,000									0.37
5,000,000									0.29

