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**LABOUR FORCE STATUS AND EDUCATIONAL  
ATTAINMENT, AUSTRALIA  
FEBRUARY 1990**

**IAN CASTLES**  
**Australian Statistician**

**AUSTRALIAN BUREAU OF STATISTICS**

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## ADDITIONAL DATA ON REQUEST

The ABS offers a range of unpublished data from this survey upon request.

Refer to page 21 which specifies the variables, categories and populations that relate to the survey. An order form for special tables is included.

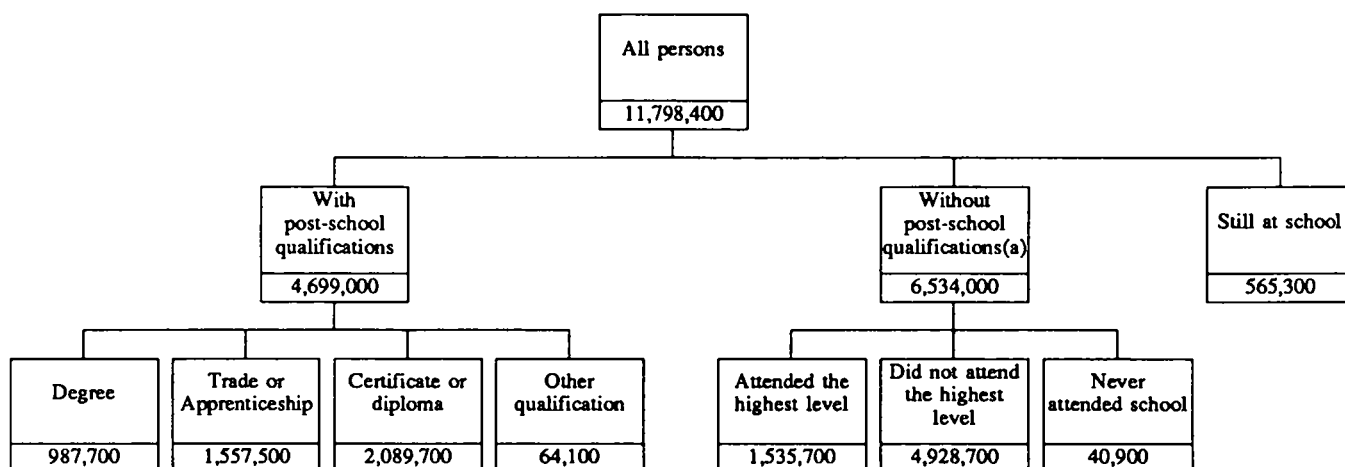
The population(s) for a particular variable refers to the persons in the survey to whom the variable relates.

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## SUMMARY OF FINDINGS

**DIAGRAM 1. ALL PERSONS: EDUCATIONAL ATTAINMENT**  
(Source of data: Table 5)



(a) Includes persons who never attended school and those for whom secondary school qualifications could not be determined

### Educational Attainment

In February 1990 the scope of this annual survey was changed from all persons aged 15 and over to persons aged 15 to 69. The number of persons within this revised scope was estimated at 11,798,400 of whom 4,699,000 (40%) reported having a post-school qualification; 6,534,000 (55%) reported being without post-school qualifications and the remaining 565,300 (5%) were still attending school.

Of the 4,699,000 persons with post-school qualifications 2,089,700 (44%) had a certificate or diploma; 1,557,500 (33%) had a trade qualification; 987,700 (21%) had a degree or higher qualification and 64,100 (1%) had other post-school qualifications.

The estimate of 6,534,000 persons without post-school qualifications comprises 1,535,700 (24%) who had attended the highest level of secondary school available, 4,928,700 (75%) who had left before reaching the highest level of secondary school available; 40,900 who had never attended school and 28,700 for whom secondary school qualifications could not be determined.

### Educational Attainment trends — 1985 to 1990

#### All persons aged 15 to 69

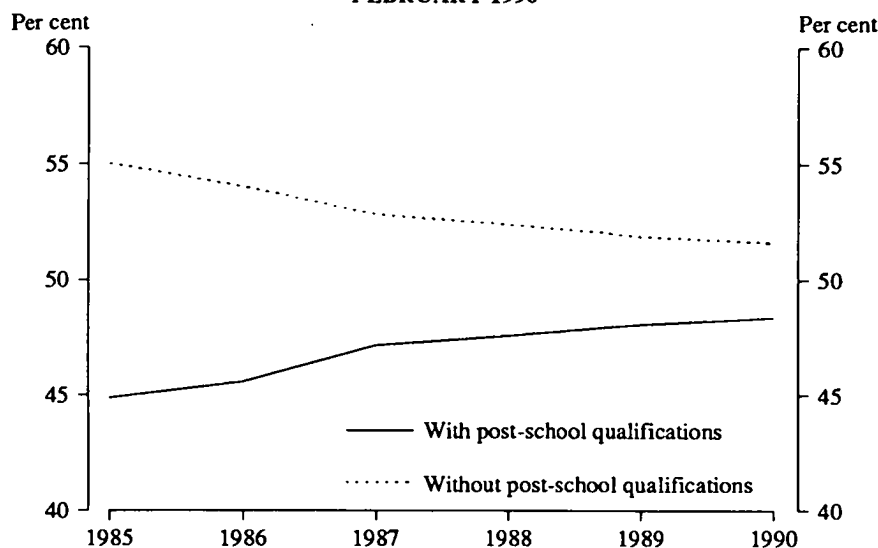
In this relatively short period of time there has been an increase of 24 per cent (895,700) in the numbers of persons holding post-school qualifications while persons without post-school qualifications showed an increase of only 1 per cent (58,400). This large rise in the number of persons with tertiary qualifications was supported by estimates showing an increase of 20 per cent (96,100) of school students in the post-compulsory school ages of 15 years and over (16 years and over in Tasmania).

There is further evidence of this trend towards higher levels of educational attainment among the general population. In February 1985, 48 per cent (5,173,400) of all persons aged 15 to 69 had not attended the highest level of secondary schooling available. In February 1990, the comparable statistic is 42 per cent (4,928,700). The estimates for those without post-school qualifications who had attended the highest level of secondary schooling available increased from 12 per cent (1,266,000) in 1985 to 13 per cent (1,535,700) in 1990.

### Employed persons

The percentage of persons aged 15 to 69 who were employed has risen from 61 per cent in February 1985 to 65 per cent in February 1990. For persons with post-school qualifications this percentage rose from 76 per cent to 78 per cent (an increase of 771,800) and for those without post-school qualifications the percentage rose from 55 per cent to 60 per cent (increasing 351,600).

**DIAGRAM 2. EMPLOYED PERSONS AGED 15 TO 69 : WHETHER HAD ATTAINED A POST-SCHOOL QUALIFICATION, FEBRUARY 1985 TO FEBRUARY 1990**



Source : Table 1

School students were also involved in the growth in employment over the period with the number having jobs rising from 85,300 in 1985 to 144,200 in 1990.

### Unemployed persons

The number of unemployed persons fell by 14 per cent (91,600) between February 1985 and February 1990.

As a percentage of the total unemployed, persons with post-school qualifications rose from 24 per cent to 29 per cent over this period; the reverse was true of persons without post-school qualifications where their share of the total unemployed fell from 71 per cent to 65 per cent. Persons without post-school qualifications who had not attended the highest level of secondary schooling available fell from 56 per cent of total unemployed persons in February 1985 to 48 per cent in February 1990.

The unemployment rate for persons with post-school qualifications fell from 5.4 per cent to 4.4 per cent between February 1985 and February 1990. A fall from 9.3 per cent to 7.0 per cent was also recorded for persons without post-school qualifications.

### Persons not in the labour force

Over a time when the total population of persons aged 15 to 69 was showing an increase of 1,050,300 (10%) over the five year period, the number of persons not in the labour force has shown a decrease of 40,400 (1%).

In February 1985, 33 per cent (3,532,900) of the population were not in the labour force and by February 1990 this had dropped to 30 per cent (3,492,500). The proportion of persons not in the labour force, with post-school qualifications increased from 21 per cent (741,300) in February 1985 to 25 per cent (861,900) in February 1990. The respective proportions for persons without post-school qualifications were 69 per cent (2,439,600) for February 1985 and 64 per cent (2,245,600) for February 1990. This percentage decrease was particularly strong among those persons who had not attended the highest level of secondary schooling available. In February 1985 they accounted for 59 per cent (2,075,200) of all persons not in the labour force and in February 1990 accounted for only 53 per cent (1,837,600).

### Age as a factor in recent trends

It is important to note that the emphasis in this survey is on educational attainment, and as expected, a significant number of persons, particularly those aged 15 to 24, are in the process of obtaining a qualification. Therefore there is very little movement in that age group over the period February 1985 to February 1990 for persons with or without post-school qualifications.

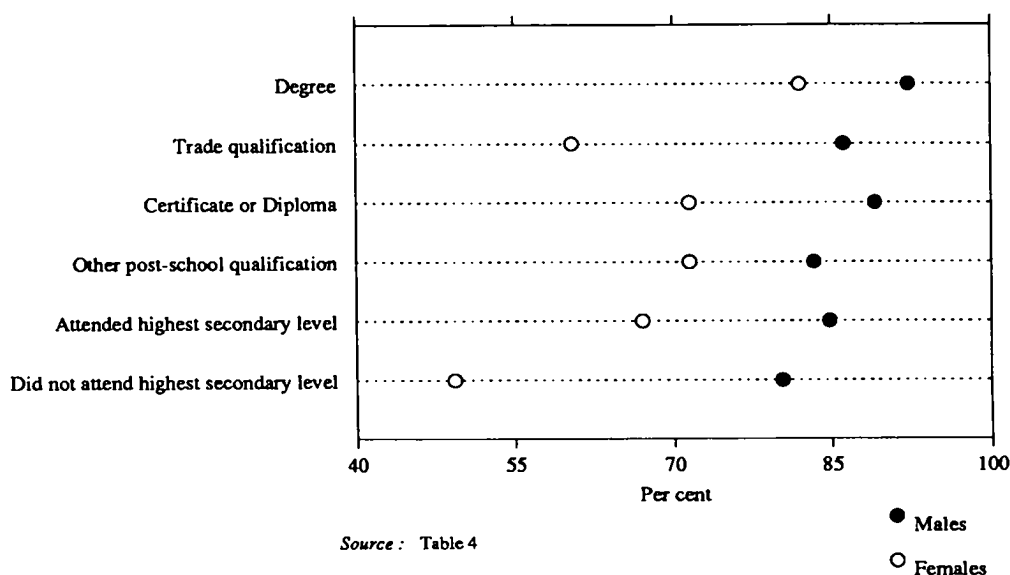
For other age groups, the comparative proportion of persons in that age group with post-school qualifications at February 1985 and February 1990 were 47 per cent and 50 per cent for 25 to 34 year olds; 45 per cent and 51 per cent for 35 to 44 year olds; 36 per cent and 44 per cent for 45 to 54 year olds and 27 per cent and 34 per cent for persons aged 55 to 69.

### February 1990

#### Gender

Of a total of 5,924,200 males and 5,874,200 females there were 2,714,800 males (46%) and 1,984,200 females (34%) with post-school qualifications in February 1990. The level of qualification attained varied significantly on a gender basis. As a percentage of persons in their gender group with post-school qualifications, 22 per cent of males (601,100) and 19 per cent of females (386,600) held degrees; 52 per cent of males (1,402,100) and 8 per cent of females (155,500) held trade qualifications; 25 per cent of males (674,600) and 71 per cent of females (1,415,100) held certificates or diplomas and 1 per cent of males (37,100) and 1 per cent of females (27,000) held other post-school qualifications.

**DIAGRAM 3. PERSONS AGED 15 TO 69 NOT ATTENDING SCHOOL :  
LABOUR FORCE PARTICIPATION RATES AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1990**



The labour force participation rate of females with post-school qualifications was lower at 72.7 per cent than for males at 88.2 per cent and remained lower for females regardless of the level of qualification attained. The unemployment rate for females in this category was higher at 5.9 per cent than for males at 3.5 per cent.

Participation rates for persons without post-school qualifications stood at 52.9 per cent for females and 81.3 per cent for males. Unemployment rates for this group were 9.1 per cent for females and 8.5 per cent for males.

#### Family status

In February 1990 it was estimated that 55 per cent (1,958,900) of all husbands identified in the survey had post-school qualifications, compared to 36 per cent (1,287,800) of wives. Comparable percentages were 58 per cent of husbands and 40 per cent of wives where there were dependants present.

The survey identified 315,700 female and 44,400 male sole parents. The survey found that 35 per cent (109,800) of female sole parents and 49 per cent (21,800) of male sole parents had post-school qualifications.

However, the largest groups of sole parents were the 57 per cent (179,700) of females and the 45 per cent (20,200) of males who were without post-school qualifications and had not attended the highest level of school available.

There were 9,990,300 persons who were defined in the survey as being a member of a family within a household and 39 per cent (3,920,300) of these had post-school qualifications, compared to 45 per cent (640,200) of the 1,420,700 persons who were not members of a family.

### Characteristics of persons with post-school qualifications

Other points of interest about persons with post-school qualifications are:

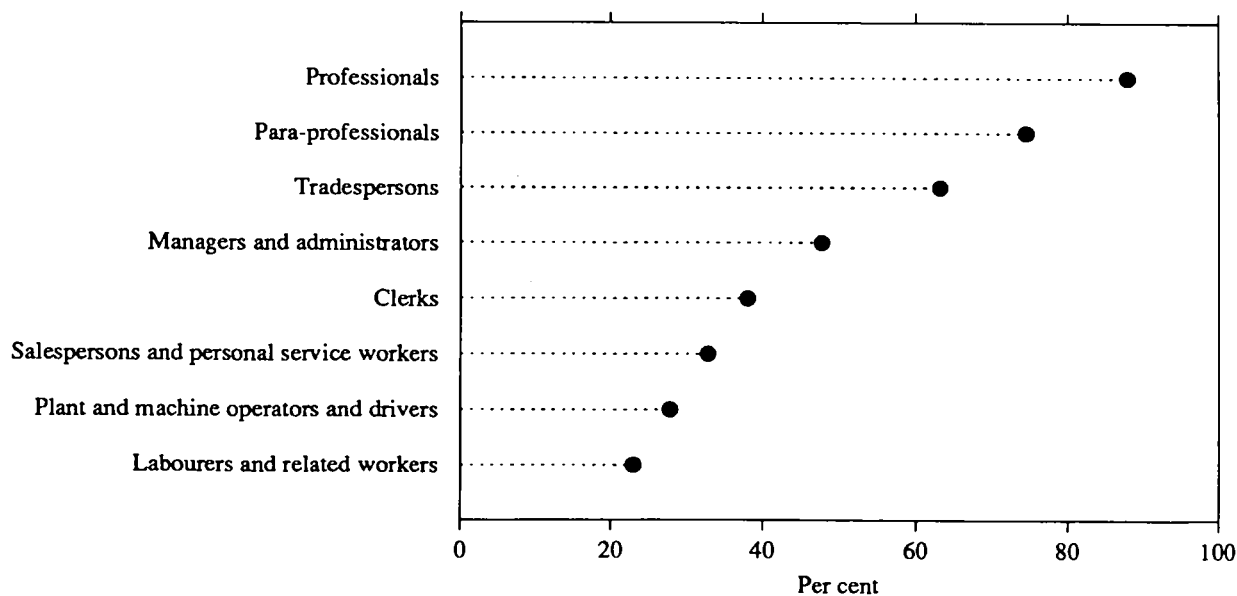
- 71 per cent (3,329,800) were married with an unemployment rate of 3.2 per cent
- 71 per cent (3,348,500) were born in Australia
- 82 per cent (3,855,700) obtained their qualifications in Australia
- 35 per cent (1,658,900) obtained their qualifications in the decade of the eighties, 27 per cent (1,284,100) in the seventies, 18 per cent (838,100) in the sixties and the remaining 18 per cent (853,300) in the years prior to 1960
- 78 per cent (3,668,900) were employed, 4 per cent (168,300) were unemployed and 18 per cent (861,900) were not in the labour force
- 83 per cent (3,920,300) were members of a family, 14 per cent (640,200) were not members of a family and the family status of the remaining 3 per cent (138,500) could not be determined
- 3 per cent (131,700) were sole parents
- 59 per cent (2,765,200) were over the age of 35
- 18 per cent (861,900) were neither working nor looking for work.

### Employed persons

There were an estimated 7,724,000 employed persons aged 15 to 69 in February 1990. Of these, 3,668,900 (48 %) had post-school qualifications, 3,911,000 (51%) were without post-school qualifications and 144,200 (2%) were still attending school.

Some 47 per cent (3,121,100) of employees and 49 per cent (547,700) of employers reported having post-school qualifications.

**DIAGRAM 4. PERCENTAGES OF EMPLOYED PERSONS IN AN OCCUPATION GROUP WITH POST-SCHOOL QUALIFICATIONS, FEBRUARY 1990**



Source: Table 8

### By Occupation

The ratio of persons with post-school qualifications to total employment in an occupation group varied markedly.

In the occupation group 'Professionals' 841,900 (88%) of the total of 957,500 had post-school qualifications, while amongst 'Para-professionals' 334,800 (75%) of the total of 449,100 had post-school qualifications.

At the other end of the scale it was estimated that 275,900 (23%) of the 1,197,300 'Labourers and related workers' had a post-school qualification.



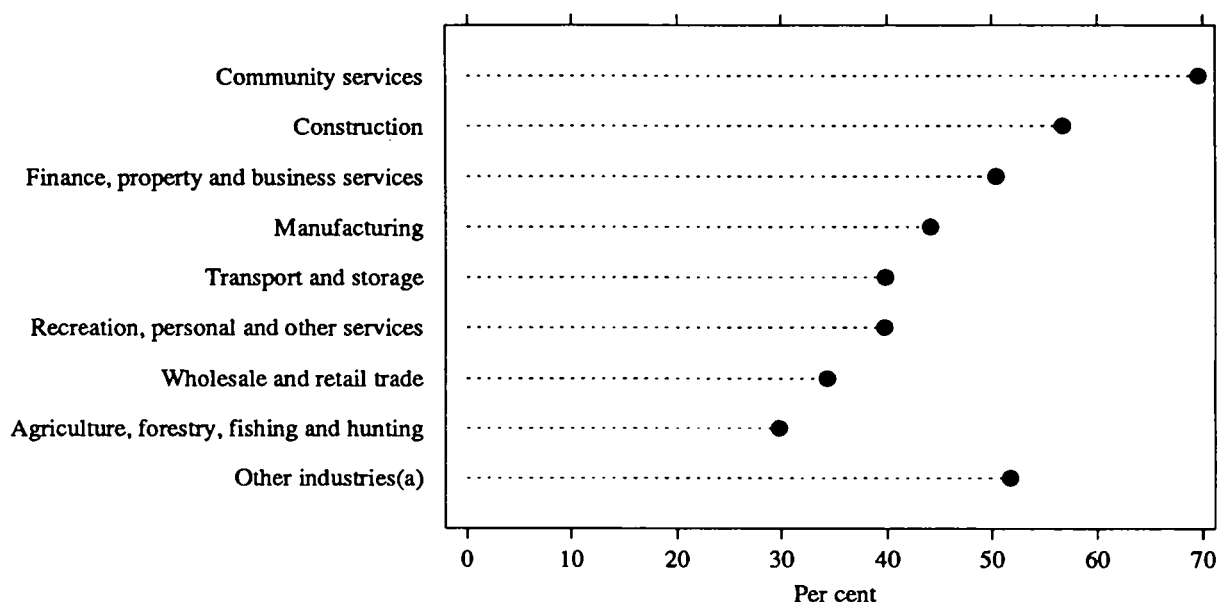
### By Industry

The three industries with the biggest employment base were also those with the greatest numbers of persons with post-school qualifications. These were (with the total industry employment estimate in brackets):

- Wholesale and retail trade 557,600 (1,624,400)
- Community services 917,800 (1,319,100)
- Manufacturing 532,000 (1,205,100).

'Community services' had by far the highest proportion of persons with qualifications in any industry with 70 per cent holding post-school qualifications.

**DIAGRAM 5. PERCENTAGES OF EMPLOYED PERSONS IN AN INDUSTRY GROUP WITH POST-SCHOOL QUALIFICATIONS, FEBRUARY 1990**



(a) Includes Mining; Electricity, gas and water; Communication; Public administration and defence.  
Source: Table 8

### Unemployment

In February 1990, 581,800 persons aged 15 to 69 were classified as unemployed — 168,300 (29%) with post-school qualifications, 377,400 (65%) without post-school qualifications and 36,100 (6%) still attending school.

#### Some characteristics of unemployed persons

- 6 per cent (37,500) had a degree qualification, 8 per cent (46,300) had a trade qualification and 14 per cent (80,500) had a certificate or diploma
- 48 per cent (279,900) were born in Australia and were without post-school qualifications
- 27 per cent (157,000) were born outside Australia
- 34 per cent (57,100) of unemployed persons with post-school qualifications were born outside Australia
- 61 per cent (354,200) were not married
- 41 per cent (236,500) were not married and without post-school qualifications
- 19 per cent (31,400) of unemployed persons with post-school qualifications had been unemployed for over 1 year
- 27 per cent (158,800) had left school at age 15 years or less.

TABLE 1. PERSONS AGED 15 TO 69(a) : LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1985 TO FEBRUARY 1990  
(<sup>'000</sup>)

	1985	1986	1987(b)	1988(b)	1989(b)	1990(b)
<b>Employed</b>	6,541.8	6,752.6	6,939.2	7,159.5	7,478.8	7,724.0
With post-school qualifications	2,897.1	3,035.8	3,217.5	3,349.5	3,526.0	3,668.9
Degree	657.7	687.3	683.7	734.5	770.4	834.4
Trade qualification	2,149.0	2,260.3	1,209.2	1,227.1	1,248.3	1,255.9
Certificate or diploma			1,299.3	1,368.7	1,491.1	1,532.3
Other			25.3	19.2	16.3	46.2
Without post-school qualifications(c)	3,559.4	3,615.7	3,603.5	3,689.7	3,808.2	3,911.0
Attended highest level of secondary school available	829.3	848.1	881.3	928.9	977.8	1,068.1
Did not attend highest level of secondary school available	2,723.8	2,758.4	2,695.0	2,725.4	2,802.4	2,813.9
Left at age —						
16 and over	998.0	1,049.8	1,053.3	1,097.4	1,186.2	1,202.0
15 and under	1,725.9	1,708.6	1,641.7	1,627.9	1,616.2	1,611.9
Still at school	85.3	101.2	118.2	120.3	144.6	144.2
<b>Unemployed</b>	673.4	649.6	687.3	633.0	588.0	581.8
With post-school qualifications	164.9	169.1	178.1	181.8	165.9	168.3
Degree	23.7	27.9	25.4	27.2	32.3	37.5
Trade qualification	131.4	128.3	64.2	61.8	46.6	46.3
Certificate or diploma			85.3	89.5	83.6	80.5
Other			*3.2	*3.3	*3.4	4.0
Without post-school qualifications(c)	476.6	444.4	468.0	410.9	384.8	377.4
Attended highest level of secondary school available	101.5	97.6	109.1	97.2	96.9	96.6
Did not attend highest level of secondary school available	374.4	344.7	355.2	308.2	283.8	277.2
Left at age —						
16 and over	145.2	130.7	143.0	130.1	118.3	118.7
15 and under	229.2	214.0	212.2	178.1	165.5	158.5
Still at school	31.8	36.0	41.2	40.3	37.3	36.1
<b>Labour force</b>	7,215.2	7,402.2	7,626.5	7,792.5	8,066.9	8,305.8
With post-school qualifications	3,062.0	3,204.9	3,395.7	3,531.3	3,691.9	3,837.1
Degree	681.3	715.2	709.1	761.7	802.7	871.9
Trade qualification	2,280.4	2,388.6	1,273.3	1,288.8	1,294.8	1,302.2
Certificate or diploma			1,384.6	1,458.3	1,574.6	1,612.8
Other			28.6	22.5	19.7	50.2
Without post-school qualifications(c)	4,036.0	4,060.1	4,071.4	4,100.5	4,193.1	4,288.4
Attended highest level of secondary school available	930.7	945.7	990.4	1,026.1	1,074.7	1,164.7
Did not attend highest level of secondary school available	3,098.2	3,103.1	3,050.1	3,033.6	3,086.2	3,091.1
Left at age —						
16 and over	1,143.1	1,180.5	1,196.3	1,227.6	1,304.5	1,320.7
15 and under	1,955.1	1,922.6	1,853.9	1,806.0	1,781.7	1,770.4
Still at school	117.2	137.2	159.4	160.6	181.9	180.3
<b>Not in labour force</b>	3,532.9	3,462.1	3,473.6	3,576.5	3,530.5	3,492.5
With post-school qualifications	741.3	763.2	845.2	855.4	914.4	861.9
Degree	101.1	110.9	107.5	106.6	125.9	115.8
Trade qualification	608.7	615.5	254.4	262.9	269.0	255.3
Certificate or diploma			470.2	472.5	509.1	476.9
Other			13.1	13.3	10.4	13.9
Without post-school qualifications(c)	2,439.6	2,334.7	2,262.9	2,295.4	2,230.0	2,245.6
Attended highest level of secondary school available	335.2	328.5	318.0	334.2	330.6	371.0
Did not attend highest level of secondary school available	2,075.2	1,985.4	1,912.0	1,929.3	1,864.6	1,837.6
Left at age —						
16 and over	459.5	446.2	430.9	444.1	440.3	434.5
15 and under	1,615.7	1,539.2	1,481.0	1,485.2	1,424.2	1,403.2
Still at school	352.0	364.2	365.6	425.7	386.2	385.0
<b>All persons</b>	10,748.1	10,864.3	11,100.1	11,369.0	11,597.4	11,798.4
With post-school qualifications	3,803.3	3,968.0	4,240.8	4,386.7	4,606.2	4,699.0
Degree	782.4	826.1	816.6	868.4	928.6	987.7
Trade qualification	2,889.1	3,004.1	1,527.7	1,551.8	1,563.8	1,557.5
Certificate or diploma			1,854.8	1,930.8	2,083.7	2,089.7
Other			41.7	35.8	30.1	64.1
Without post-school qualifications(c)	6,475.6	6,394.8	6,334.3	6,396.0	6,423.0	6,534.0
Attended highest level of secondary school available	1,266.0	1,274.1	1,308.3	1,360.3	1,405.3	1,535.7
Did not attend highest level of secondary school available	5,173.4	5,088.5	4,962.1	4,962.9	4,950.7	4,928.7
Left at age —						
16 and over	1,602.7	1,626.7	1,627.2	1,671.7	1,744.8	1,755.1
15 and under	3,570.7	3,461.8	3,334.9	3,291.2	3,205.9	3,173.6
Still at school	469.2	501.4	525.0	586.3	568.1	565.3

(a) See paragraph 13 of the Explanatory Notes. (b) Prior to February 1987 the data now published in the Educational Attainment categories "Trade qualification" and "Certificate or diploma" were published as "Trade, technical or other certificate". See paragraph 12 of the Explanatory Notes. (c) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined.

TABLE 2. PERSONS AGED 15 TO 69(a) : AGE AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1985 TO FEBRUARY 1990  
(<sup>'000</sup>)

	1985	1986	1987(b)	1988(b)	1989(b)	1990(b)
<b>Aged 15 — 24</b>	<b>2,587.1</b>	<b>2,598.6</b>	<b>2,599.4</b>	<b>2,659.8</b>	<b>2,677.9</b>	<b>2,696.8</b>
With post-school qualifications	561.0	577.0	540.0	560.2	555.8	576.8
Degree	84.3	79.2	85.0	78.6	86.7	102.4
Trade qualification or apprenticeship	} 447.6	467.0	{ 179.5	187.0	165.9	165.7
Certificate or diploma						
Other						
Without post-school qualifications(c)	1,557.0	1,520.2	1,534.3	1,513.3	1,554.0	1,554.7
Attended highest level of secondary school available	535.6	550.0	577.6	602.2	640.7	701.4
Did not attend highest level of secondary school available	1,020.6	968.6	952.4	907.2	908.8	846.9
Still at school	469.2	501.4	525.0	586.3	568.1	565.3
<b>Aged 25 — 34</b>	<b>2,521.9</b>	<b>2,524.3</b>	<b>2,589.7</b>	<b>2,643.5</b>	<b>2,697.3</b>	<b>2,730.5</b>
With post-school qualifications	1,181.6	1,200.5	1,262.4	1,331.9	1,346.5	1,357.1
Degree	298.5	308.5	303.1	335.4	325.9	325.3
Trade qualification or apprenticeship	} 845.2	857.4	{ 400.7	416.4	422.8	423.2
Certificate or diploma						
Other						
Without post-school qualifications(c)	1,340.3	1,323.8	1,327.3	1,311.6	1,350.8	1,373.5
Attended highest level of secondary school available	315.1	317.3	341.0	331.8	327.2	359.5
Did not attend highest level of secondary school available	1,021.1	1,003.1	976.3	969.4	1,011.2	1,001.7
<b>Aged 35 — 44</b>	<b>2,142.3</b>	<b>2,211.5</b>	<b>2,304.4</b>	<b>2,387.9</b>	<b>2,457.7</b>	<b>2,527.0</b>
With post-school qualifications	971.2	1,017.6	1,105.4	1,145.9	1,229.6	1,280.1
Degree	221.2	238.2	241.6	259.6	295.2	309.1
Trade qualification or apprenticeship	} 717.3	744.1	{ 370.8	370.4	375.5	387.5
Certificate or diploma						
Other						
Without post-school qualifications(c)	1,171.2	1,193.9	1,199.0	1,242.0	1,228.0	1,246.9
Attended highest level of secondary school available	176.4	179.4	184.8	206.9	216.1	229.2
Did not attend highest level of secondary school available	988.8	1,009.5	1,000.5	1,019.7	1,001.9	1,004.6
<b>Aged 45 — 54</b>	<b>1,528.9</b>	<b>1,538.5</b>	<b>1,589.4</b>	<b>1,636.9</b>	<b>1,695.0</b>	<b>1,764.5</b>
With post-school qualifications	556.9	599.5	663.1	675.4	759.3	773.0
Degree	103.3	111.7	102.8	111.7	130.5	148.3
Trade qualification or apprenticeship	} 436.6	469.9	{ 279.9	264.3	289.9	280.7
Certificate or diploma						
Other						
Without post-school qualifications(c)	972.0	939.0	926.3	961.5	935.7	991.5
Attended highest level of secondary school available	98.7	98.9	90.9	96.9	103.1	123.8
Did not attend highest level of secondary school available	864.0	831.3	819.8	847.4	818.9	855.6
<b>Aged 55 — 69</b>	<b>1,967.9</b>	<b>1,991.4</b>	<b>2,017.3</b>	<b>2,040.9</b>	<b>2,069.6</b>	<b>2,079.6</b>
With post-school qualifications	532.7	573.5	669.8	673.4	715.0	712.1
Degree	75.2	88.5	84.1	83.1	90.3	102.6
Trade qualification or apprenticeship	} 442.4	465.7	{ 296.8	313.6	309.7	300.6
Certificate or diploma						
Other						
Without post-school qualifications(c)	1,435.2	1,417.9	1,347.5	1,367.5	1,354.5	1,367.5
Attended highest level of secondary school available	140.2	128.6	114.0	122.5	118.1	121.9
Did not attend highest level of secondary school available	1,278.8	1,276.0	1,213.2	1,219.2	1,209.9	1,220.0
<b>All persons</b>	<b>10,748.1</b>	<b>10,864.3</b>	<b>11,100.1</b>	<b>11,369.0</b>	<b>11,597.4</b>	<b>11,798.4</b>
With post-school qualifications	3,803.3	3,968.0	4,240.8	4,386.7	4,606.2	4,699.0
Degree	782.4	826.1	816.6	868.4	928.6	987.7
Trade qualification or apprenticeship	} 2,889.1	3,004.1	{ 1,527.7	1,551.8	1,563.8	1,557.5
Certificate or diploma						
Other						
Without post-school qualifications(c)	6,475.6	6,394.8	6,334.3	6,396.0	6,423.0	6,534.0
Attended highest level of secondary school available	1,266.0	1,274.1	1,308.3	1,360.3	1,405.3	1,535.7
Did not attend highest level of secondary school available	5,173.4	5,088.5	4,962.1	4,962.9	4,950.7	4,928.7
Still at school	469.2	501.4	525.0	586.3	568.1	565.3

(a) See paragraph 13 of the Explanatory Notes. (b) Prior to February 1987 the data now published in the Educational Attainment categories "Trade qualification" and "Certificate or diploma" were published as "Trade, technical or other certificate". See paragraph 12 of the Explanatory Notes. (c) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined.

TABLE 3. UNEMPLOYED PERSONS AGED 15 TO 69(a) : EDUCATIONAL ATTAINMENT, UNEMPLOYMENT RATE, AVERAGE AND MEDIAN DURATION OF UNEMPLOYMENT, FEBRUARY 1985 TO FEBRUARY 1990

	Educational attainment							
	With post-school qualifications				Without post-school qualifications			
	Degree	Trade qualif- ication	Certif- icate or diploma	Total(b)	Attended highest level of secondary school available	Did not attend highest level of secondary school available	Total(c)	Total(d)
	— '000 —							
Total unemployed —								
1985	23.7	131.4		164.9	101.5	374.4	476.6	673.4
1986	27.9	128.3		169.1	97.6	344.7	444.4	649.6
1987(e)	25.4	64.2	85.3	178.1	109.1	355.2	468.0	687.3
1988(e)	27.2	61.8	89.5	181.8	97.2	308.2	410.9	633.0
1989(e)	32.3	46.6	83.6	165.9	96.9	283.8	384.8	588.0
1990(e)	37.5	46.3	80.5	168.3	96.6	277.2	377.4	581.8
	— per cent —							
Unemployment rate —								
1985	3.4	5.8		5.4	10.9	12.0	11.7	9.3
1986	3.9	5.4		5.3	10.3	11.1	10.9	8.8
1987(e)	3.6	5.0	6.2	5.2	11.0	11.6	11.5	9.0
1988(e)	3.6	4.8	6.1	5.1	9.5	10.2	10.0	8.1
1989(e)	4.0	3.6	5.3	4.5	9.0	9.2	9.2	7.3
1990(e)	4.3	3.6	5.0	4.4	8.3	9.0	8.8	7.0
	— weeks —							
Average duration of unemployment —								
1985	27.0	36.6		35.6	29.0	55.0	49.7	44.6
1986	23.1	37.8		35.6	29.5	52.3	47.5	42.6
1987(e)	37.0	54.6	29.2	39.3	30.9	57.9	51.8	46.4
1988(e)	24.9	47.5	33.9	37.8	27.7	57.3	50.5	44.4
1989(e)	23.4	63.6	31.7	39.4	22.5	59.1	50.1	44.8
1990(e)	27.6	37.4	33.5	33.1	23.5	48.0	41.9	37.4
Median duration of unemployment —								
1985	9	13		12	10	26	20	16
1986	8	11		11	10	20	16	13
1987(e)	11	15	10	12	11	24	18	14
1988(e)	7	15	8	9	9	24	17	13
1989(e)	8	19	8	9	8	18	13	11
1990(e)	8	8	7	8	6	13	10	9

(a) See paragraph 13 of the Explanatory Notes. (b) Includes persons with other post-school qualifications. (c) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (d) Includes persons still at school. (e) Prior to February 1987 the data now published in the Educational Attainment categories "Trade qualification" and "Certificate or diploma" were published as "Trade, technical or other certificate". See paragraph 12 of the Explanatory Notes.

TABLE 4. PERSONS AGED 15 TO 69(a) : LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT, FEBRUARY 1990

	Employed			Unem- ployed	Labour force	Not in labour force	Total	Unem- ployment rate	Partic- ipation rate
	Full-time	Part-time	Total						
Educational attainment	- '000 -							- per	cent -
MALES									
With post-school qualifications	2,213.9	97.6	2,311.5	83.8	2,395.2	319.6	2,714.8	3.5	88.2
Degree	507.2	28.3	535.4	19.6	555.1	46.0	601.1	3.5	92.3
Trade qualification	1,130.5	38.0	1,168.5	39.8	1,208.3	193.7	1,402.1	3.3	86.2
Certificate or diploma	547.7	30.3	578.0	23.0	600.9	73.7	674.6	3.8	89.1
Other	28.5	* 1.0	29.5	* 1.4	30.9	6.2	37.1	* 4.5	83.3
Without post-school qualifications(b)	2,004.7	170.5	2,175.2	203.1	2,378.4	546.4	2,924.8	8.5	81.3
Attended highest level of secondary school available	516.1	79.1	595.2	47.6	642.8	114.9	757.7	7.4	84.8
Did not attend highest level of secondary school available	1,474.2	89.4	1,563.6	153.5	1,717.1	422.2	2,139.4	8.9	80.3
Left at age —									
18 and over	38.1	4.4	42.5	5.3	47.8	6.5	54.3	11.1	88.1
16 or 17	581.1	28.4	609.5	57.6	667.2	64.3	731.4	8.6	91.2
14 or 15	744.7	47.6	792.3	79.5	871.8	251.7	1,123.5	9.1	77.6
13 and under	110.4	8.9	119.3	11.1	130.4	99.8	230.2	8.5	56.7
Never attended school	5.8	* 1.5	7.3	* 0.6	7.9	7.7	15.6	* 7.7	50.8
Still at school	* 1.4	61.1	62.5	16.2	78.7	205.9	284.6	20.6	27.6
Total	4,220.0	329.2	4,549.2	303.1	4,852.3	1,071.9	5,924.2	6.2	81.9
FEMALES									
With post-school qualifications	904.3	453.1	1,357.4	84.5	1,441.9	542.3	1,984.2	5.9	72.7
Degree	224.5	74.4	299.0	17.9	316.9	69.7	386.6	5.7	82.0
Trade qualification	54.5	32.9	87.4	6.5	93.9	61.6	155.5	6.9	60.4
Certificate or diploma	614.3	340.0	954.3	57.5	1,011.9	403.3	1,415.1	5.7	71.5
Other	11.0	5.8	16.7	* 2.6	19.3	7.7	27.0	* 13.4	71.5
Without post-school qualifications(b)	1,036.3	699.4	1,735.7	174.3	1,910.0	1,699.2	3,609.2	9.1	52.9
Attended highest level of secondary school available	305.6	167.2	472.9	49.0	521.9	256.1	778.0	9.4	67.1
Did not attend highest level of secondary school available	722.8	527.5	1,250.3	123.6	1,373.9	1,415.4	2,789.4	9.0	49.3
Left at age —									
18 and over	15.1	8.1	23.1	* 3.2	26.3	13.3	39.6	* 12.0	66.4
16 or 17	326.2	200.7	526.8	52.6	579.4	350.4	929.8	9.1	62.3
14 or 15	340.2	293.3	633.5	62.3	695.8	856.9	1,552.7	8.9	44.8
13 and under	41.4	25.4	66.8	5.6	72.4	194.8	267.3	7.8	27.1
Never attended school	* 1.3	* 0.6	* 1.9	* 0.6	* 2.5	22.8	25.3	* 24.6	* 9.9
Still at school	* 0.3	81.4	81.7	19.9	101.6	179.1	280.7	19.6	36.2
Total	1,940.9	1,233.9	3,174.8	278.7	3,453.6	2,420.6	5,874.2	8.1	58.8
PERSONS									
With post-school qualifications	3,118.2	550.7	3,668.9	168.3	3,837.1	861.9	4,699.0	4.4	81.7
Degree	731.7	102.7	834.4	37.5	871.9	115.8	987.7	4.3	88.3
Trade qualification	1,185.0	70.9	1,255.9	46.3	1,302.2	255.3	1,557.5	3.6	83.6
Certificate or diploma	1,162.0	370.3	1,532.3	80.5	1,612.8	476.9	2,089.7	5.0	77.2
Other	39.5	6.8	46.2	4.0	50.2	13.9	64.1	7.9	78.3
Without post-school qualifications(b)	3,041.0	869.9	3,911.0	377.4	4,288.4	2,245.6	6,534.0	8.8	65.6
Attended highest level of secondary school available	821.7	246.4	1,068.1	96.6	1,164.7	371.0	1,535.7	8.3	75.8
Did not attend highest level of secondary school available	2,197.1	616.9	2,813.9	277.2	3,091.1	1,837.6	4,928.7	9.0	62.7
Left at age —									
18 and over	53.1	12.5	65.6	8.5	74.1	19.8	93.9	11.4	78.9
16 or 17	907.2	229.1	1,136.4	110.2	1,246.6	414.7	1,661.3	8.8	75.0
14 or 15	1,084.9	340.9	1,425.8	141.7	1,567.6	1,108.6	2,676.1	9.0	58.6
13 and under	151.8	34.3	186.1	16.8	202.8	294.6	497.4	8.3	40.8
Never attended school	7.1	* 2.1	9.2	* 1.2	10.4	30.5	40.9	* 11.8	25.5
Still at school	* 1.8	142.4	144.2	36.1	180.3	385.0	565.3	20.0	31.9
Total	6,161.0	1,563.0	7,724.0	581.8	8,305.8	3,492.5	11,798.4	7.0	70.4

(a) See paragraph 13 of the Explanatory Notes. (b) Includes persons for whom attendance at a secondary school could not be determined.

TABLE 5. PERSONS AGED 15 TO 69(a) : AGE AND EDUCATIONAL ATTAINMENT, FEBRUARY 1990 ('000)

Educational attainment	Age (years)						Total
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 69	
MALES							
With post-school qualifications	25.0	243.2	749.8	744.7	487.5	464.5	2,714.8
Degree	* 0.7	51.0	184.7	190.3	101.2	73.2	601.1
Trade qualification	11.6	132.6	388.7	347.5	254.9	266.7	1,402.1
Certificate or diploma	12.3	57.6	167.4	198.3	122.7	116.2	674.6
Other	* 0.4	* 2.0	9.1	8.6	8.6	8.4	37.1
Without post-school qualifications(b)	396.0	414.6	613.3	523.0	416.3	561.6	2,924.8
Attended highest level of secondary school available	163.2	185.3	175.5	118.7	61.7	53.3	757.7
Did not attend highest level of secondary school available	232.7	225.8	432.4	399.2	349.7	499.7	2,139.4
Left at age —							
18 and over	4.5	11.9	18.2	11.7	3.7	4.3	54.3
16 or 17	138.4	133.8	212.0	131.2	66.3	49.8	731.4
14 or 15	88.9	78.2	192.2	222.3	220.1	321.8	1,123.5
13 and under	* 0.9	* 2.0	10.0	34.0	59.5	123.8	230.2
Never attended school	* 0.0	* 1.5	* 2.7	* 1.9	* 2.5	7.0	15.6
Still at school	283.9	* 0.7	..	..	..	..	284.6
Total	705.0	658.5	1,363.1	1,267.7	903.8	1,026.1	5,924.2
FEMALES							
With post-school qualifications	56.0	252.5	607.2	535.4	285.5	247.6	1,984.2
Degree	* 0.2	50.5	140.6	118.8	47.1	29.4	386.6
Trade qualification	3.5	17.9	34.5	40.0	25.7	33.8	155.5
Certificate or diploma	50.7	178.4	425.6	371.6	208.3	180.5	1,415.1
Other	* 1.6	5.7	6.6	5.0	4.3	3.8	27.0
Without post-school qualifications(b)	345.3	398.8	760.2	723.9	575.2	805.9	3,609.2
Attended highest level of secondary school available	181.6	171.3	184.0	110.4	62.1	68.6	778.0
Did not attend highest level of secondary school available	163.5	224.9	569.3	605.4	506.0	720.3	2,789.4
Left at age —							
18 and over	* 3.3	7.8	16.1	7.1	* 2.6	* 2.6	39.6
16 or 17	92.5	137.7	295.0	216.2	98.0	90.4	929.8
14 or 15	66.6	76.2	244.2	342.1	339.2	484.4	1,552.7
13 and under	* 1.1	* 3.3	14.0	40.0	66.2	142.9	267.3
Never attended school	* 0.0	* 0.3	* 2.8	* 2.5	4.3	15.5	25.3
Still at school	280.2	* 0.5	..	..	..	..	280.7
Total	681.5	651.7	1,367.4	1,259.3	860.7	1,053.5	5,874.2
PERSONS							
With post-school qualifications	81.1	495.7	1,357.1	1,280.1	773.0	712.1	4,699.0
Degree	* 0.9	101.5	325.3	309.1	148.3	102.6	987.7
Trade qualification	15.1	150.5	423.2	387.5	280.7	300.6	1,557.5
Certificate or diploma	63.1	236.0	593.0	569.9	331.0	296.8	2,089.7
Other	* 2.0	7.7	15.6	13.7	12.9	12.2	64.1
Without post-school qualifications(b)	741.3	813.4	1,373.5	1,246.9	991.5	1,367.5	6,534.0
Attended highest level of secondary school available	344.8	356.7	359.5	229.2	123.8	121.9	1,535.7
Did not attend highest level of secondary school available	396.2	450.7	1,001.7	1,004.6	855.6	1,220.0	4,928.7
Left at age —							
18 and over	7.7	19.7	34.3	18.8	6.3	6.9	93.9
16 or 17	231.0	271.4	507.0	347.4	164.3	140.2	1,661.3
14 or 15	155.5	154.3	436.4	564.4	559.3	806.3	2,676.1
13 and under	* 1.9	5.2	23.9	74.0	125.7	266.6	497.4
Never attended school	* 0.0	* 1.8	5.5	4.4	6.8	22.4	40.9
Still at school	564.2	* 1.2	..	..	..	..	565.3
Total	1,386.5	1,310.2	2,730.5	2,527.0	1,764.5	2,079.6	11,798.4

(a) See paragraph 13 of the Explanatory Notes. (b) Includes persons for whom attendance at a secondary school could not be determined.

TABLE 6. PERSONS AGED 15 TO 69(a) : EDUCATIONAL ATTAINMENT AND FAMILY STATUS(b), FEBRUARY 1990 ('000)

Family status	Educational attainment						
	With post-school qualifications				Without post-school qualifications		
	Degree	Trade qualification	Certificate or diploma	Total(c)	Attended highest level of secondary school available	Did not attend highest level of secondary school available	Total(d)
MALES							
Member of a family	477.0	1,207.9	559.5	2,276.1	611.4	1,794.5	2,429.7
Husband	413.2	1,036.4	481.8	1,958.9	294.4	1,287.6	1,598.3
With dependants present	270.7	575.1	289.9	1,151.5	179.3	650.4	835.8
Without dependants present	142.4	461.2	191.9	807.4	115.0	637.2	762.5
Sole parent	4.3	11.0	6.6	21.8	* 2.2	20.2	22.6
Other family head	4.7	14.2	6.2	25.6	6.6	26.3	33.8
Full-time student aged 15 — 24(f)	3.8	* 1.1	4.3	9.2	103.5	13.9	117.4
Other child of married couple or family head	46.8	131.8	53.7	234.8	193.8	400.7	599.7
Other relative of married couple or family head	4.3	13.5	6.8	25.7	11.0	45.9	58.0
Not a member of a family	106.2	162.2	99.4	372.2	125.1	276.9	404.9
Living alone	48.5	84.2	51.6	185.9	45.0	143.2	189.9
Not living alone	57.7	78.0	47.8	186.3	80.1	133.7	215.0
Family status not determined	17.9	32.0	15.7	66.5	21.2	67.9	90.2
Total	601.1	1,402.1	674.6	2,714.8	757.7	2,139.4	2,924.8
FEMALES							
Member of a family	296.0	131.2	1,196.5	1,644.2	652.5	2,429.5	3,117.4
Wife	233.0	105.5	934.1	1,287.8	355.8	1,907.9	2,289.4
With dependants present	146.4	52.3	566.9	774.9	205.7	946.2	1,162.7
Without dependants present	86.6	53.2	367.2	512.8	150.0	961.7	1,126.7
Sole parent	19.2	8.5	81.1	109.8	24.3	178.7	205.7
Other family head	5.0	4.2	31.4	40.8	13.1	87.1	101.6
Full-time student aged 15 — 24(f)	4.1	* 0.5	5.2	10.3	105.6	13.8	119.9
Other child of married couple or family head	29.9	10.7	130.9	175.1	142.1	203.4	348.2
Other relative of married couple or family head	4.9	* 1.9	13.6	20.5	11.6	38.6	52.7
Not a member of a family	78.4	20.0	164.3	268.0	93.0	272.8	370.3
Living alone	41.1	10.8	78.3	133.7	32.9	187.5	223.5
Not living alone	37.2	9.2	86.0	134.3	60.2	85.3	146.8
Family status not determined	12.2	4.3	54.4	72.0	32.4	87.1	121.5
Total	386.6	155.5	1,415.1	1,984.2	778.0	2,789.4	3,609.2
PERSONS							
Member of a family	773.1	1,339.1	1,756.0	3,920.3	1,263.9	4,224.0	5,547.1
Husband or wife	646.1	1,141.8	1,416.0	3,246.7	650.1	3,195.6	3,887.7
With dependants present	417.1	627.4	856.9	1,926.4	385.1	1,596.6	1,998.5
Without dependants present	229.0	514.4	559.1	1,320.2	265.1	1,599.0	1,889.2
Sole parent	23.4	19.4	87.8	131.7	26.4	199.0	228.3
Other family head	9.7	18.4	37.6	66.4	19.7	113.4	135.4
Full-time student aged 15 — 24(f)	7.9	* 1.6	9.6	19.4	209.2	27.6	237.3
Other child of married couple or family head	76.7	142.5	184.6	409.9	335.9	604.0	947.9
Other relative of married couple or family head	9.2	15.4	20.5	46.1	22.6	84.5	110.7
Not a member of a family	184.5	182.1	263.7	640.2	218.1	549.7	775.2
Living alone	89.6	95.0	130.0	319.6	77.9	330.7	413.4
Not living alone	94.9	87.1	133.7	320.6	140.3	219.0	361.9
Family status not determined	30.1	36.3	70.1	138.5	53.6	154.9	211.7
Total	987.7	1,557.5	2,089.7	4,699.0	1,535.7	4,928.7	6,534.0

(a) See paragraph 13 of the Explanatory Notes. (b) The family status classification has been changed to discriminate between "Sole parent" and "Other family head" previously combined under the grouping "Not married family head". For further information please refer to the publication *Labour Force Status and Other Characteristics of Families, Australia (Catalogue no. 6224.0)*. (c) Includes persons with other post-school qualifications. (d) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (e) Includes persons still attending school. (f) Excludes persons aged 20 to 24 attending school.

TABLE 7. PERSONS AGED 15 TO 69(a) WITH A POST-SCHOOL QUALIFICATION : AGE, LABOUR FORCE STATUS AND SUMMARY OF DEMOGRAPHIC AND EDUCATIONAL CHARACTERISTICS, FEBRUARY 1990 ('000)

	Age(years)					Empl- oyed	Unem- ployed	Not in labour force	Total
	15 - 24	25 - 34	35 - 44	45 - 54	55 - 69				
<i>Marital status —</i>									
Married	124.6	923.6	1,057.3	654.9	569.5	2,581.4	86.7	661.7	3,329.8
Not married	452.2	433.5	222.9	118.1	142.5	1,087.4	81.6	200.2	1,369.2
<i>Birthplace and period of arrival —</i>									
Born in Australia	488.0	1,023.3	866.8	491.9	478.4	2,656.1	109.8	582.6	3,348.5
Born outside Australia	88.7	333.8	413.3	281.1	233.6	1,012.8	58.5	279.3	1,350.6
Arrived before 1961	* 0.0	14.6	89.7	83.4	131.1	215.4	6.9	96.5	318.8
Arrived 1961 — 1970	19.5	100.7	84.7	91.6	62.9	275.6	14.2	69.6	359.3
Arrived 1971 — 1980	33.6	60.3	117.9	63.1	22.4	244.2	9.6	43.5	297.3
Arrived 1981 — 1990	35.7	158.2	121.0	42.9	17.3	277.7	27.8	69.7	375.2
<i>Country obtained qualification(b) —</i>									
In Australia	544.0	1,185.9	1,027.7	578.5	519.6	3,085.1	126.7	643.9	3,855.7
Outside Australia	23.1	155.5	238.8	181.5	180.3	537.5	37.6	204.1	779.3
Main english-speaking countries	14.4	83.4	113.1	96.5	94.7	292.6	14.6	95.0	402.1
Other countries	8.8	72.1	125.7	85.0	85.6	245.0	23.1	109.1	377.1
<i>Year obtained qualification(b) —</i>									
Before 1951	* 0.0	* 0.0	* 0.2	4.2	345.6	101.2	4.5	244.4	350.0
1951 — 1960	* 0.0	* 0.0	8.4	266.8	228.1	349.3	12.6	141.4	503.3
1961 — 1970	* 0.0	8.4	457.6	312.0	60.1	698.7	24.1	115.3	838.1
1971 — 1980	* 2.2	560.0	582.8	96.8	42.4	1,060.6	38.5	185.0	1,284.1
1981 — 1990	565.0	773.0	217.5	80.2	23.2	1,412.6	84.6	161.7	1,658.9
<i>Main field of study —</i>									
<i>Degree —</i>	102.4	325.3	309.1	148.3	102.6	834.4	37.5	115.8	987.7
Administration(c)	25.0	63.1	57.8	21.8	17.3	162.4	7.2	15.3	185.0
Law	* 2.2	13.4	13.1	6.3	3.7	35.9	* 1.1	* 1.7	38.7
Education	12.5	48.7	51.3	25.3	13.4	123.8	5.3	22.2	151.3
Medicine	5.3	27.4	19.9	12.5	13.9	69.3	* 1.7	8.1	79.1
Science, maths, computing	22.4	57.3	49.4	21.4	12.0	139.1	6.1	17.3	162.5
Veterinary, agric., forestry	* 2.2	6.6	6.6	3.5	* 1.6	16.9	* 0.6	* 3.1	20.6
Engineering	8.3	33.2	30.7	19.0	15.7	91.0	5.1	10.8	106.9
Architecture	* 1.6	7.3	8.6	4.3	3.8	22.9	* 0.8	* 2.0	25.7
Social sciences, arts, etc.	21.5	61.3	67.0	30.4	18.9	157.5	8.4	33.1	199.0
Other fields of degree	* 1.4	7.0	4.6	3.7	* 2.3	15.6	* 1.2	* 2.2	19.0
<i>Trade qualification —</i>	165.7	423.2	387.5	280.7	300.6	1,255.9	46.3	255.3	1,557.5
Metal	31.4	80.9	79.0	63.7	73.2	267.5	9.6	51.2	328.2
Service	14.8	25.6	28.8	16.7	10.4	63.1	4.0	29.1	96.2
Building	33.2	92.0	83.5	63.9	67.4	282.8	9.4	47.8	340.0
Electrical	21.5	54.1	55.8	35.7	30.2	169.8	* 3.3	24.2	197.3
Food and drink	15.0	31.4	23.8	16.6	21.7	82.0	5.3	21.2	108.5
Wood and furniture	5.3	13.9	11.4	9.5	9.6	41.3	* 1.8	6.7	49.7
Printing and allied	6.8	13.2	15.4	8.4	7.1	41.1	* 2.5	7.3	50.9
Automotive, mechanical	27.2	82.2	55.9	35.4	36.7	206.0	6.1	25.1	237.3
Footwear, clothing, textile	* 1.9	6.3	9.2	11.3	25.9	27.7	* 0.9	26.0	54.6
Other fields of trade	8.6	23.6	24.7	19.4	18.4	74.7	* 3.4	16.6	94.7
<i>Certificate or diploma —</i>	299.1	593.0	569.9	331.0	296.8	1,532.3	80.5	476.9	2,089.7
Business administration(d)	28.7	66.1	88.6	48.2	45.6	229.6	7.3	40.5	277.3
Secretarial(e)	108.6	152.8	126.2	66.6	64.2	340.0	26.6	151.8	518.5
Education, teacher training	24.6	61.0	79.8	49.1	31.2	177.4	8.6	59.8	245.8
Nursing	30.6	101.9	92.2	53.9	48.9	230.4	6.5	90.6	327.5
Other health, paramedical	12.6	32.1	23.7	15.5	11.6	69.1	4.7	21.7	95.6
Science(f)	18.1	43.4	33.0	14.5	13.8	106.4	* 2.0	14.4	122.8
Engineering, architecture	6.7	30.6	41.0	24.1	25.9	110.3	* 2.0	16.0	128.2
Transport, communication	3.8	13.7	15.3	8.9	10.4	42.0	* 2.0	8.2	52.2
Social studies, arts, crafts	16.4	29.0	23.3	19.9	15.9	65.1	7.2	32.3	104.6
Other fields of certificate/diploma	49.1	62.4	46.7	30.1	29.1	161.9	13.7	41.7	217.3
<i>Other post-school qualifications</i>	9.7	15.6	13.7	12.9	12.2	46.2	4.0	13.9	64.1
<b>Persons</b>	<b>576.8</b>	<b>1,357.1</b>	<b>1,280.1</b>	<b>773.0</b>	<b>712.1</b>	<b>3,668.9</b>	<b>168.3</b>	<b>861.9</b>	<b>4,699.0</b>
Males	268.3	749.8	744.7	487.5	464.5	2,311.5	83.8	319.6	2,714.8
Females	308.5	607.2	535.4	285.5	247.6	1,357.4	84.5	542.3	1,984.2

(a) See paragraph 13 Explanatory Notes. (b) Excludes persons with "Other post-school qualifications" who were not asked the year or country in which they obtained their qualifications. (c) Includes Business Studies and Commerce. (d) Includes Commerce. (e) Includes Typing and Data Processing. (f) Includes Computing and Agriculture.



TABLE 8. EMPLOYED PERSONS AGED 15 TO 69(a) : EDUCATIONAL ATTAINMENT AND SUMMARY OF DEMOGRAPHIC AND EMPLOYMENT CHARACTERISTICS, FEBRUARY 1990 ('000)

	Educational attainment							
	With post-school qualifications				Without post-school qualifications			
	Degree	Trade qualification	Certificate or diploma	Total(b)	Attended highest level of secondary school available	Did not attend highest level of secondary school available	Total(c)	Total(d)
Age(years) —								
15 — 24	85.4	149.8	244.1	486.5	489.2	605.8	1,098.0	1,728.8
25 — 34	281.7	389.2	447.8	1,131.2	275.4	649.1	930.9	2,062.1
35 — 44	274.3	350.7	463.3	1,098.9	180.2	725.9	914.9	2,013.8
45 — 54	132.0	241.1	263.7	647.2	86.9	540.6	634.0	1,281.2
55 — 69	61.0	125.1	113.3	305.0	36.4	292.6	333.1	638.1
Marital status —								
Married	560.3	940.2	1,048.2	2,581.4	463.3	1,847.0	2,330.8	4,912.3
Not married	274.1	315.8	484.1	1,087.4	604.8	966.9	1,580.1	2,811.7
Birthplace and period of arrival —								
Born in Australia	569.2	915.3	1,137.0	2,656.1	811.0	2,161.6	2,991.4	5,779.8
Born outside Australia	265.2	340.7	395.3	1,012.8	257.1	652.3	919.6	1,944.3
Arrived before 1961	48.7	84.7	79.6	215.4	33.3	166.4	202.7	418.1
Arrived 1961 — 1970	54.2	107.0	110.0	275.6	61.3	218.4	283.1	558.7
Arrived 1971 — 1980	68.9	78.4	94.2	244.2	80.5	149.4	232.6	482.4
Arrived 1981 — 1990	93.4	70.5	111.5	277.7	82.0	118.2	201.2	485.1
Status of worker —								
Wage and salary earners	751.4	982.3	1,348.4	3,121.1	954.1	2,369.4	3,348.5	6,604.1
Other	83.0	273.6	183.9	547.7	114.0	444.5	562.5	1,119.9
Full-time/part-time status —								
Full-time workers	731.7	1,185.0	1,162.0	3,118.2	821.7	2,197.1	3,041.0	6,161.0
Part-time workers	102.7	70.9	370.3	550.7	246.4	616.9	869.9	1,563.0
Occupation in current job —								
Managers and administrators	102.6	134.7	161.3	403.6	121.8	318.7	443.3	846.9
Professionals	538.2	39.1	260.2	841.9	61.2	50.7	113.2	957.5
Para-professionals	30.9	60.1	239.3	334.8	51.2	61.3	113.5	449.1
Tradespersons	13.8	676.0	74.5	769.7	89.5	355.1	447.0	1,218.2
Clerks	72.0	38.1	394.9	512.8	295.8	530.9	834.2	1,351.0
Salespersons &, personal service workers	50.0	75.5	237.1	369.1	241.0	420.7	665.7	1,124.6
Plant & machine operators & drivers	7.2	97.2	49.8	161.1	53.1	361.5	417.3	579.5
Labourers and related workers	19.7	135.3	115.2	275.9	154.5	715.1	876.8	1,197.3
Industry of current job —								
Agriculture, forestry, fishing and hunting	10.6	37.4	68.4	119.8	47.4	226.7	275.5	402.5
Mining	9.8	28.2	15.7	54.8	7.1	38.2	45.6	100.5
Manufacturing	71.8	302.9	149.8	532.0	134.1	529.6	668.1	1,205.1
Electricity, gas and water	10.8	33.5	19.0	64.1	9.2	34.6	44.1	108.2
Construction	19.7	267.4	56.2	346.2	49.8	212.7	263.8	610.8
Wholesale and retail trade	72.0	247.5	230.2	557.6	286.3	667.8	959.1	1,624.4
Transport and storage	19.6	70.2	61.6	155.4	44.1	189.2	234.9	390.9
Communication	11.4	25.4	23.9	62.5	22.2	50.2	73.9	136.4
Finance, property and business services	174.2	45.8	227.2	452.5	193.1	248.5	444.4	899.8
Public administration and defence	67.7	29.0	77.6	176.9	57.3	110.5	171.4	348.5
Community services	333.3	76.7	501.3	917.8	109.3	282.9	396.9	1,319.1
Recreation, personal and other services	33.6	91.9	101.2	229.3	108.2	223.0	333.4	578.0
Persons	834.4	1,255.9	1,532.3	3,668.9	1,068.1	2,813.9	3,911.0	7,724.0
Males	535.4	1,168.5	578.0	2,311.5	595.2	1,563.6	2,175.2	4,549.2
Females	299.0	87.4	954.3	1,357.4	472.9	1,250.3	1,735.7	3,174.8

(a) See paragraph 13 of the Explanatory Notes. (b) Includes persons with other post-school qualifications. (c) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (d) Includes persons still at school

TABLE 9. UNEMPLOYED PERSONS AGED 15 TO 69(a) : EDUCATIONAL ATTAINMENT,  
SUMMARY OF DEMOGRAPHIC CHARACTERISTICS AND DURATION OF UNEMPLOYMENT, FEBRUARY 1990  
(<sup>'000</sup>)

	Educational attainment							
	With post-school qualifications				Without post-school qualifications			
	Degree	Trade qualif- ication	Certif- icate or diploma	Total(b)	Attended highest level of secondary school available	Did not attend highest level of secondary school available	Total(c)	Total(d)
	— '000 —							
Age(years) —								
15 — 24	8.5	9.2	25.1	44.2	62.6	114.0	178.2	258.5
25 — 34	12.5	12.1	25.5	51.1	15.5	71.8	87.7	138.7
35 — 44	10.2	11.6	16.9	40.0	12.1	45.8	58.6	98.6
45 — 54	4.4	6.6	8.9	20.0	4.0	26.8	30.9	50.9
55 — 69	* 1.9	6.8	4.1	13.1	* 2.4	18.7	22.1	35.1
Marital status —								
Married	16.8	27.3	41.1	86.7	23.9	115.1	140.9	227.6
Not married	20.8	19.0	39.4	81.6	72.7	162.1	236.5	354.2
Birthplace and period of arrival —								
Born in Australia	20.2	29.7	57.3	109.8	67.0	210.9	279.9	422.0
Born outside Australia	17.3	16.6	23.2	58.5	29.6	66.3	97.5	159.8
Arrived before 1961	* 1.3	* 3.2	* 2.2	6.9	* 2.9	8.1	11.1	18.0
Arrived 1961 — 1970	* 2.2	6.0	5.4	14.2	4.0	17.1	21.2	35.4
Arrived 1971 — 1980	* 2.3	* 2.6	4.4	9.6	7.8	21.4	29.4	40.4
Arrived 1981 — 1990	11.5	4.8	11.3	27.8	15.0	19.7	35.9	66.1
Duration of current period of unemployment —								
1 and under 4 weeks	9.0	11.1	25.0	46.1	28.1	55.9	84.2	145.1
4 and under 8 weeks	8.5	10.7	15.5	35.7	23.3	45.9	69.7	113.4
8 and under 3 weeks	4.3	5.0	9.0	18.5	16.7	32.9	50.2	73.6
13 and under 6 weeks	5.4	5.0	8.2	18.9	9.3	33.0	42.8	64.4
26 and under 52 weeks	4.7	3.6	8.7	17.8	7.1	34.4	41.9	63.8
52 and under 104 weeks	* 3.1	4.4	6.2	14.1	5.8	31.3	37.4	52.4
104 weeks and over	* 2.6	6.4	7.9	17.3	6.3	43.7	51.3	69.1
Persons	37.5	46.3	80.5	168.3	96.6	277.2	377.4	581.8
Males	19.6	39.8	23.0	83.8	47.6	153.5	203.1	303.1
Females	17.9	6.5	57.5	84.5	49.0	123.6	174.3	278.7
	— per cent —							
Unemployment rate	4.3	3.6	5.0	4.4	8.3	9.0	8.8	7.0
Unemployment/population ratio	3.8	3.0	3.9	3.6	6.3	5.6	5.8	4.5

(a) See paragraph 13 of the Explanatory Notes. (b) Includes persons with other post-school qualifications. (c) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (d) Includes persons still attending school.

TABLE 10. STATES AND TERRITORIES BY MAIN POPULATION TOTALS, FEBRUARY 1990  
(<sup>'000</sup>)

	State of usual residence								Australia
	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Northern Territory	Australian Capital Territory	
<i>Main survey populations</i>									
<i>Population 1:</i> Persons aged 15 to 69	4,030.5	3,056.5	1,976.0	1,001.6	1,119.1	311.6	105.8	197.2	11,798.4
<i>Population 2:</i> Employed persons aged 15 to 69	2,559.5	2,061.1	1,290.2	648.5	751.9	194.1	73.7	144.9	7,724.0
<i>Population 3:</i> Unemployed persons aged 15 to 69	195.6	123.0	109.8	57.6	61.3	18.8	6.4	9.5	581.8
<i>Population 4:</i> Persons aged 15 to 69 not in the labour force	1,275.5	872.4	576.1	295.5	305.9	98.7	25.6	42.8	3,492.5
<i>Population 5:</i> Persons aged 15 to 69 in the labour force	2,755.1	2,184.1	1,400.0	706.1	813.2	212.9	80.1	154.4	8,305.8
<i>Population 6:</i> Persons aged 15 to 69 with a degree qualification	341.6	286.4	129.4	72.7	89.8	22.7	8.0	37.0	987.7
<i>Population 7:</i> Persons aged 15 to 69 with a trade qualification	540.2	382.8	273.5	135.4	153.2	39.5	15.5	17.5	1,557.5
<i>Population 8:</i> Persons aged 15 to 69 with a certificate or diploma qualification	791.6	479.1	335.6	163.6	212.4	51.1	18.6	37.7	2,089.7
<i>Population 9:</i> Persons aged 15 to 25	975.4	780.2	513.7	246.8	284.3	76.8	29.4	57.4	2,963.9
<i>Population 10:</i> Persons aged 15 to 25 who attended an educational institution in the previous year	515.2	421.8	237.0	121.8	128.2	35.7	14.2	32.5	1,506.5
<i>Population 11:</i> Employed persons aged 15 to 69 with a degree qualification	284.4	243.5	111.1	61.3	75.7	18.7	7.2	32.4	834.4
<i>Population 12:</i> Employed persons aged 15 to 69 with a trade qualification	436.0	307.2	223.3	105.9	124.6	32.0	12.4	14.4	1,255.9
<i>Population 13:</i> Employed persons aged 15 to 69 with a certificate or diploma qualification	575.5	366.2	243.7	118.5	148.9	36.0	14.5	29.0	1,532.3
<i>Population 14:</i> Persons aged 15 to 69 with a post-school qualification	1,689.5	1,167.7	752.7	377.1	459.7	115.1	43.5	93.7	4,699.0

## EXPLANATORY NOTES

### Introduction

The monthly population survey (which is described in *The Labour Force, Australia* (6203.0)) comprises the monthly labour force survey and supplementary topics. This publication contains some results of a supplementary survey run in association with the February 1990 labour force survey conducted throughout Australia.

2. Of the respondents to the labour force survey, those who fell within the scope of the supplementary survey were asked additional questions. They were asked about their highest educational qualifications. For persons with post-school qualifications, the information sought included field of study, and year and country in which they obtained their highest qualification; and for those without post-school qualifications, it included whether they completed the highest level of secondary schooling available, and if not, at what age they left school.

### Scope

3. The scope of this supplementary survey includes all persons aged 15 to 69 except:

- (a) members of the permanent defence forces;
- (b) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- (c) overseas residents in Australia;
- (d) members of non-Australian defence forces (and their dependents) stationed in Australia;
- (e) visitors to private dwellings;
- (f) some patients in hospitals and sanitoriums; and
- (g) inmates of reformatories, gaols etc.

### Coverage

4. In the population survey, coverage rules are applied which aim to ensure that each person is associated with only one dwelling, and hence has only one chance of selection. See *The Labour Force, Australia* (6203.0) for more details.

### Definitions

5. Further definitions of labour force and demographic classifications appearing in this publication are given in *The Labour Force, Australia* (6203.0).

6. Unless otherwise stated, all characteristics referenced in this publication relate to the week before the interview.

### Results of the survey

7. Due to differences in the scope and method of estimation used in this supplementary survey and that used in the labour force survey, there are some small variations between estimates in this publication and those in the corresponding issue of *The Labour Force, Australia* (6203.0).

8. The estimates in this publication refer to information collected in the survey month and, due to seasonal factors, may not be representative of other months of the year.

9. Results of similar surveys, conducted annually since February 1979, have been given in previous issues of this publication.

10. It is proposed that this survey will be conducted next in February 1991.

### Unpublished tables

11. As well as the statistics included in this and related publications, the ABS may have other relevant unpublished data available. Inquiries should be made to Ms Nicolle Wittmann on Canberra (06) 252 6578.

### Discontinuities in the series

12. Since February 1987 an expanded classification of post-school qualifications has been used. As a result a small number of persons previously categorised as "Degree" or "Other" may now be included in the categories "Trade qualification" or "Certificate or diploma".

13. Persons aged 70 and over are no longer required to answer the supplementary survey questions on educational attainment. Time series tables have been revised to provide estimates of persons in the age range of 15 to 69 years.

### Survey sample redesign

14. The Labour Force Survey (LFS) sample has been redesigned and reselected using information collected in the 1986 Population Census. As a result, the standard errors used in this supplementary survey differ from those used in surveys of the same topic run prior to September 1987. For details, see *Information Paper—Labour Force Survey—Sample Design* (6269.0).

### Estimation procedure

15. The estimates are derived from the population survey by use of a ratio estimation procedure which ensures that the estimates conform to an independently estimated distribution of the population for each capital city and remainder of state by age, gender and labour force status, rather than to the corresponding distribution within the sample itself.

### Reliability of the estimates

16. Estimates in this publication are subject to sampling and non-sampling error. For more information refer to the Technical Note, page 18.

### Related publications

17. Other ABS publications which may be of interest include:

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

*Transition from Education to Work, Australia* (6227.0) — issued annually.

*Labour Force Status and Educational Attendance, Australia* (6272.0) — issued annually.

*Schools, Australia* (4221.0) — issued annually.

*Employer Training Expenditure, Australia* (6353.0) — issued irregularly, first and latest issue: July to September 1989.

*How Workers Get Their Training, Australia* (6278.0) — issued irregularly, first and latest issue: March to July 1989.

*Career Paths of Tradespersons, Australia* (6243.0) — issued irregularly, latest issue: March to July 1989.

*Career Paths of Qualified Nurses, Australia* (6277.0) — issued irregularly, first and latest issue: March to July 1989.

18. 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.

### Symbols and other usages

- \* subject to sampling variability too high for most practical uses. See the Technical Note.
- .. not applicable

19. Because estimates have been rounded, discrepancies may occur between sums of the component items and totals.

### Electronic services

DISCOVERY. Key \*656# for selected current economic, social and demographic statistics.

AUSSTATS. Thousands of up-to-date time series are available on this ABS on-line service through PAXUS COMNET. For further information phone the AUSSTATS Help Desk on (06) 252 6017.

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## TECHNICAL NOTE

### Estimation procedure

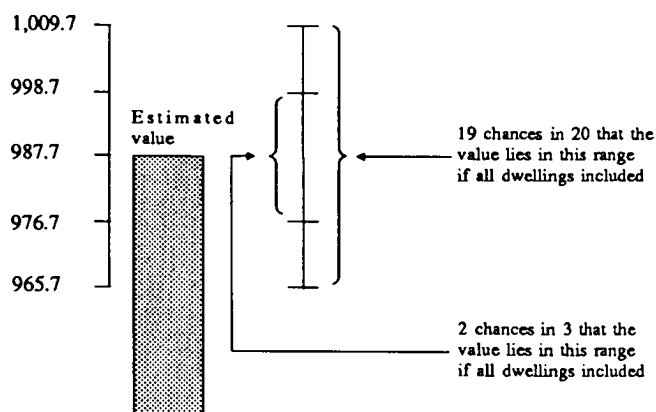
Since the estimates in this publication are based on information obtained from occupants of a sample of dwellings, they are subject to sampling variability, that is, they may differ from those that would have been produced if all dwellings had been included in the survey. One measure of the likely difference 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 changes in three that a sample estimate will differ by less than one standard error from the number 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 of the likely difference is the *relative standard error*, which is obtained by expressing the standard error as a percentage of the estimates.

2. Space does not allow for the separate indication of the standard errors of all estimates in this publication. A table of standard errors for general application is given on the following page. Since they are averages based on calculations for a limited number of past surveys over a wide range of labour force characteristics these numbers will not give a precise measure of the standard error of a particular estimate but they will provide an indication of its magnitude.

3. An example of the calculation and the use of standard errors in relation to estimates of persons is as follows. Table 4 shows the estimated number of persons with a Degree qualification in February 1990 is 987,700. Since this estimate is between 500,000 and 1,000,000 in the standard error table, the standard error for Australia will be between 8,400 and 11,100 and can be approximated by interpolation as 11,000 (rounded to the nearest 100). Therefore, there are about two chances in three that the value that would have been produced if all dwellings had been included in the survey will fall in the range 976,700 to 998,700 and about nineteen changes in twenty that the value will fall within the range 965,700 to 1,009,700. This example is illustrated in the following diagram.

4. As can be seen from the standard error table, *the smaller the estimate the higher is the relative standard error*. Very small estimates are thus subject to such high standard error (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication only estimates with relative standard errors of 25 per cent or less and percentages based on such estimates are considered sufficiently reliable for most purposes. However, estimates and percentages with larger relative standard errors have been included and are preceded by an asterisk (e.g. \*3.4) to indicate they are subject to high standard errors and should be used with caution.

5. Proportions and percentages formed from the ratio of two estimates are also subject to sampling errors. The size ('000)



of the error depends on the accuracy of both the numerator and the denominator. A formula to approximate the relative standard error (RSE) of a proportion is given below:

$$RSE (x/y) = \sqrt{[RSE (x)]^2 + [RSE (y)]^2}$$

6. Considering the example from paragraph 3 above, of the 987,700 persons with a Degree qualification in February 1990, 871,900 or 88.3 per cent participated in the labour force. The standard error of 871,900 is approximately 10,400 so the relative standard error is 1.2 per cent. The relative standard error for 987,700 is 1.1 per cent. Applying the above formula, the relative standard error of the proportion is  $\sqrt{(1.2)^2 + (1.1)^2}$  or 0.5 per cent, giving a standard error for the proportion (88.3 per cent) of 0.4 percentage points. Therefore, there are about two chances in three that the participation rate of persons with a Degree qualification in February 1990 is between 87.9 per cent and 88.7 per cent and nineteen chances in twenty the proportion is within the range 87.5 per cent to 89.1 per cent.

7. Published estimates may also be used to calculate the difference between two survey estimates (of numbers or percentages). Such an estimate is subject to sampling error. The sampling error of the difference between two estimates depends on their standard errors and the relationship (correlation) between them. An approximate standard error (SE) of the difference between two estimates (x-y) may be calculated by the following formula:

$$SE (x-y) = \sqrt{[SE (x)]^2 + [SE (y)]^2}$$

8. While this formula will only be exact for differences between separate and uncorrelated characteristics of sub-populations it is expected to provide a good

approximation for all differences likely to be of interest in this publication.

9. 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, and errors

made in coding and processing data. 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 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.

### STANDARD ERRORS OF ESTIMATES

[illegible]

## GLOSSARY

*Average duration of unemployment:* obtained by dividing the aggregate number of weeks a group has been unemployed by the number of persons in that group.

*Certificate or diploma:* completion of an approved certificate or diploma in secretarial or business studies, administration, teaching, nursing, etc.

*Degree:* a bachelor degree (including honours), a graduate or post-graduate diploma, masters degree or a doctorate.

*Educational attainment:* measures the highest qualification obtained by the respondent. Qualifications may include those obtained at other than educational institutions (e.g. nursing qualifications obtained at a hospital).

*Highest level of secondary school available:* the highest level of secondary schooling (or equivalent) offered by the education system at the time the respondent left school.

*Industry:* all occurrences of industry in this publication refer to Industry Division as defined by the Australian Standard Industry Classification (ASIC).

*Main field of study:* respondents with a degree; trade qualification; or a certificate or diploma (as defined) indicated the main field of study for their highest qualification.

*Median duration of unemployment:* the duration which divides unemployed persons into two equal groups, one comprising persons whose duration of unemployment is above the median and the other, persons whose duration is below it.

*Occupation:* all occurrences of occupation in this publication refer to Major Group as defined by the Australian Standard Classification of Occupation (ASCO).

*Other post-school qualifications:* completion of other types of education, e.g. adult education, preparatory/bridging course or hobby course.

*Post-school qualifications:* qualifications held by those persons who had left school and answered 'Yes' to the question: 'Since leaving school have you obtained a trade qualification, certificate, diploma, degree or any other qualification?'. Respondents indicated which of the following groups best described their highest qualification: Degree; Trade qualification; Certificate or diploma; Other post-school qualification.

*Still at school:* current school attendance was recorded only for persons aged fifteen to twenty years.

*Trade qualification:* completion of an approved trade/technical apprenticeship in fitting and turning, hairdressing, plumbing, carpentry, etc. See paragraph 12 of the Explanatory Notes, page 16.

*Unemployment/population ratio:* the number of unemployed persons, for any group, expressed as a percentage of all persons in the same group.



## DATA ITEMS AND HOW TO ORDER SPECIAL TABLES FROM THIS SURVEY

The ABS offers a range of unpublished data from this survey upon request. When ordering special tables from this survey, please ensure you identify the **population(s)** and the **variable(s)** which you require.

This section specifies the variables and populations which relate to the survey and includes an order form for special tables.

The population(s) for a particular variable refers to the persons in the survey to whom the variable relates.

### POPULATIONS

- POPULATION 1:** Persons aged 15 to 69
- POPULATION 2:** Employed persons aged 15 to 69
- POPULATION 3:** Unemployed persons aged 15 to 69
- POPULATION 4:** Persons not in the labour force aged 15 to 69
- POPULATION 5:** Persons in the labour force aged 15 to 69
- POPULATION 6:** Persons aged 15 to 69 who had a degree qualification
- POPULATION 7:** Persons aged 15 to 69 who had a trade/technical qualification or apprenticeship
- POPULATION 8:** Persons aged 15 to 69 who had a certificate or diploma
- POPULATION 9:** Persons aged 15-25 years
- POPULATION 10:** Persons aged 15-25 years who attended an educational institution last year
- POPULATION 11:** Employed persons aged 15 to 69 who had a degree qualification
- POPULATION 12:** Employed persons aged 15 to 69 who had a trade/technical qualification or apprenticeship
- POPULATION 13:** Employed persons aged 15 to 69 who had a certificate or diploma
- POPULATION 14:** Persons aged 15 to 69 with a post-school qualification

VARIABLE	POPULATIONS	VARIABLE	POPULATIONS
<b>1 STATE OF USUAL RESIDENCE</b>	<b>All</b>	<b>8 PERIOD OF ARRIVAL</b>	<b>All</b>
Australia		Born in Australia	
New South Wales		Born outside Australia	
Victoria		Arrived before 1961	
Queensland		Arrived 1961-1970	
South Australia		Arrived 1971-1980	
Western Australia		Arrived 1981-1990	
Tasmania		Not asked (Boarding school pupils)	
Northern Territory			
Australian Capital Territory			
<b>2 AREA OF USUAL RESIDENCE</b>	<b>All</b>	<b>9 AGE</b>	<b>All</b>
Metropolitan		15-19	
Non-metropolitan		20-24	
		25-34	
		35-44	
		45-54	
		55-59	
		60-64	
		65-69	
<b>3 DISSEMINATION REGION</b>	<b>All</b>	N.B. Other age groupings are available	
Standard labour force dissemination regions			
<b>4 GENDER</b>	<b>All</b>	<b>10 LABOUR FORCE STATUS</b>	<b>1,6-10,14</b>
Males		Labour force	
Females		Employed	
		Unemployed	
		Not in labour force	
<b>5 MARITAL STATUS</b>	<b>All</b>	Unemployment rate	
Married		Participation rate	
Not-married			
<b>6 FAMILY STATUS</b>	<b>All</b>	<b>11 STATUS OF WORKER</b>	<b>2,11-13</b>
Member of a family		Wage and salary earners	
Husband or wife		Other	
With dependants present			
Without dependants present			
Sole parent			
Other family head			
Full-time student aged 15-24 (a)			
Other child of family head			
Other relative of family head			
Not a member of a family			
Living alone			
Not living alone			
Family status not determined			
(a) Excludes persons aged 20-24 attending school			
<b>7 BIRTHPLACE</b>	<b>All</b>	<b>12 FULL-TIME / PART-TIME STATUS (ALL JOBS)</b>	<b>2,11-13</b>
Born in Australia		Full-time workers	
Born outside Australia		Part-time workers	
Born in main English-speaking countries(a)			
Born in other countries			
Not asked (boarding school pupils)			
(a) Comprises United Kingdom, Ireland, Canada, South Africa, U.S.A. and New Zealand			
N.B. More detailed country groupings available.			
		<b>13 OCCUPATION</b>	<b>2,11-13</b>
		Managers and administrators	
		Professionals	
		Para-professionals	
		Tradespersons	
		Clerks	
		Salespersons and personal service workers	
		Plant and machine operators, and drivers	
		Labourers and related workers	
		<b>14 INDUSTRY</b>	<b>2,11-13</b>
		Agriculture, forestry, fishing and hunting	
		Mining	
		Manufacturing	
		Electricity, gas and water	
		Construction	
		Wholesale and retail trade	
		Transport and storage	
		Communication	
		Finance, property and business services	
		Community services	
		Recreation, personal and other services	

VARIABLE	POPULATIONS	VARIABLE	POPULATIONS
<b>15 EDUCATIONAL ATTAINMENT</b>	<b>1-5,9-10</b>	<b>19 TYPE OF INSTITUTION ATTENDED LAST YEAR</b>	<b>10</b>
With post-school qualifications		Primary school / secondary school	
Degree		Other	
Trade qualification or apprenticeship			
Certificate or diploma			
Other			
Without post-school qualifications		<b>20 WHETHER ATTENDED FULL-YEAR OR PART-YEAR</b>	<b>10</b>
Attended highest level of secondary school available		Attended full-year	
Did not attend highest level of secondary school available		Attended part of year	
Left at age -			
18 years or over			
17 years			
16 years			
15 years			
14 years			
13 years or under			
Never attended school			
Secondary school qualifications not determined			
Still at school			
<b>16 MAIN FIELD OF STUDY - DEGREE</b>	<b>6,11</b>	<b>21 STUDENT STATUS LAST YEAR</b>	<b>10</b>
Administration, business studies, commerce		Full-time	
Law		Part-time	
Education			
Medicine			
Science, mathematics, computing			
Veterinary science, agriculture, forestry			
Engineering			
Architecture			
Social sciences, arts, humanities			
Other			
<b>17 MAIN FIELD OF STUDY - TRADE QUALS / APPRENTICESHIP</b>	<b>7,12</b>	<b>22 DURATION OF CURRENT PERIOD OF UNEMPLOYMENT</b>	<b>3</b>
Metal		1 and under 4 weeks	
Service		4 and under 8 weeks	
Building		8 and under 13 weeks	
Electrical		13 and under 26 weeks	
Food and drink		26 and under 52 weeks	
Wood and furniture		52 and under 104 weeks	
Printing and allied		104 weeks and over	
Automotive, mechanical			
Footwear, clothing, textile			
Other			
<b>18 MAIN FIELD OF STUDY - CERTIFICATE OR DIPLOMA</b>	<b>8,13</b>	<b>23 COUNTRY OBTAINED QUALIFICATION</b>	<b>6-8,11-14</b>
Business, administration, commerce		In Australia	
Secretarial, typing, data processing		Outside Australia	
Education, teacher training		Main English-speaking countries	
Nursing		Other countries	
Other health, para-medical			
Science, computing, agriculture			
Engineering, architecture			
Transport, communication			
Arts, social studies, crafts			
Other			
		<b>24 YEAR OBTAINED HIGHEST POST-SCHOOL QUALIFICATION</b>	<b>6-8,11-14</b>
		Before 1950	
		1950 - 1960	
		1961 - 1970	
		1971 - 1980	
		1981 - 1985	
		1986	
		1987	
		1988	
		1989	

## SPECIAL DATA REQUEST ORDER FORM

### LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT, AUSTRALIA, FEBRUARY 1990

Please specify your special data request(s) on the order form provided on the following page.

The following points should be noted when requesting special tables:

1. Table requests will be available on computer printout, floppy disk or microfiche.
2. The current cost of special tables is as follows —

No. of variables (excluding populations)	Cost per table (\$)
2	120
3	150
4	210
5	300
6 or more	negotiable

NOTE (i) For tables provided on floppy disk, an additional cost of \$65.00 per disk will be charged;

(ii) For tables provided on microfiche, an additional cost of \$50.00 plus \$5.00 per microfiche will be charged;

(iii) Prices quoted are subject to revisions.

3. Return the completed order form together with the address advice to —

Assistant Director  
Education Sub-section  
Australian Bureau of Statistics  
PO Box 10  
Belconnen ACT 2616

4. The invoiced cost is payable in full within 14 days of supply.



5. Any inquiries about this order should be directed to Ms Nicolle Wittmann on (06) 252 6578.

**ADDRESS ADVICE — DETACH AND FORWARD TOGETHER WITH YOUR COMPLETED ORDER FORM.**

Please send my order and invoice to —

NAME \_\_\_\_\_

ORGANISATION \_\_\_\_\_

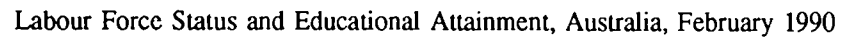
ADDRESS \_\_\_\_\_

POSTCODE \_\_\_\_\_

FACSIMILE NO. \_\_\_\_\_ TELEPHONE \_\_\_\_\_

Signature \_\_\_\_\_

Date / /

[illegible]

Example:

# ***TRANSITION FROM EDUCATION TO WORK, AUSTRALIA, MAY 1989***

This publication, released in January 1990, provides annual information from a household based survey on the labour force characteristics of persons aged 15 to 64 in the educational system, both at the time of the survey and in the previous calendar year. For those attending and those not attending an educational institution it gives a broad picture of their contribution to the workforce, their level of education and the type of work they are engaged in.

The publication features information on:

- . socio-demographic characteristics such as gender, age, labour force status and educational attainment
- . work history details such as occupation and industry
- . type of institution attending
- . type of school last attended
- . level of course attended/attending
- . highest level of education obtained
- . information on the characteristics of apprentices

The publication *Transition from Education to Work, Australia, May 1989* also includes a full list of the extensive range of data items collected in the survey that will assist you in ordering tailored tables to meet your individual requirements.

To reserve your copy of *Transition from Education to Work, Australia, May 1989* (6227.0), priced at \$8.50, contact an ABS Bookshop in your State.

# ***LABOUR FORCE STATUS AND EDUCATIONAL ATTENDANCE, AUSTRALIA, SEPTEMBER 1989***

This publication, released on 14th May 1990, gives a picture of the 15 to 24 year old population from a household based survey of current attendance at an educational institution. It provides insight into the participation of students in the labour force and a breakdown of students by their type of institution and level of course.

The publication features information on:

- . demographic characteristics such as age, gender and country of birth
- . labour force status of both the student and non-student population
- . type of educational institution currently attending
- . level of course being studied
- . type of school last attended
- . an explanation of concepts and methodology
- . a selection of the findings from the survey

The publication *Labour Force Status and Educational Attendance, Australia, September 1989* also includes a full list of the extensive range of data items collected in the survey that will assist you in ordering tailored tables to meet your individual requirements.

To reserve your copy of *Labour Force Status and Educational Attendance, Australia, September 1989* (6272.0), priced at \$8.00, contact an ABS Bookshop in your State.

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Adelaide (08) 237 7582 Perth (09) 323 5143 Hobart (002) 205800  
Darwin (089) 813456 Canberra (06) 252 5249

# ***HOW WORKERS GET THEIR TRAINING, AUSTRALIA, 1989***

This new publication released on 31st July 1990 provides current information from a household based survey on training and education undertaken by people who had worked as wage or salary earners during the 12 months ending July 1989. It will answer, for the first time, questions on the type of people getting training and how much training they are getting.

The publication will feature information on:

- . socio-demographic characteristics such as gender, age, earnings and educational attainment
- . work history details such as occupation, industry and job tenure
- . highest qualification needed to obtain job
- . types of training courses undertaken over a 12 month period
- . time spent on training courses
- . type of support provided by employers for training

Also, many details about training courses will be available, including whether for retraining, whether skills gained were transferable to another employer, and the training course structure.

The publication *How Workers Get Their Training, Australia, 1989* will also include a full list of the extensive range of data items collected in the survey that will assist you in ordering tailored tables to meet your individual requirements.

To reserve your copy of *How Workers Get Their Training, Australia 1989* (6278.0), priced at \$12.50 contact an **ABS Bookshop** in your State.

## ***SCHOOLS, AUSTRALIA, 1989***

This publication released on 6th June 1990 provides statistics on schools, students and staff involved in the provision or administration of primary and secondary education, in government and non-government schools.

The publication includes information on:

- . Schools classified by type and size of student enrolment
- . Students classified by age and level/year of education, sex and type of school attended
- . Staff classified by category of school and major function

To reserve your copy of *Schools, Australia, 1989* (4221.0), priced at \$15.50, contact an **ABS Bookshop** in your State.

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