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**LABOUR FORCE STATUS AND EDUCATIONAL  
ATTAINMENT, AUSTRALIA  
FEBRUARY 1992**

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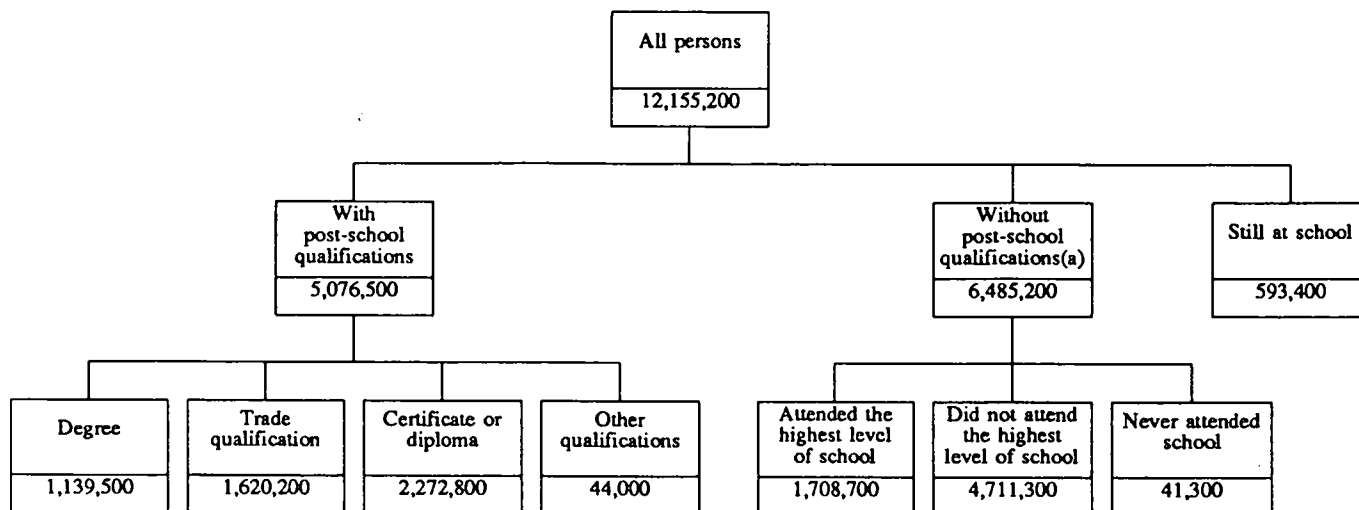
### INQUIRIES

- *for further information about statistics in this publication and the availability of related unpublished statistics, contact Ms Nicolle Witmann on Canberra (06) 252 6578 or any ABS State office.*
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## SUMMARY OF FINDINGS

**DIAGRAM 1. ALL PERSONS AGED 15 TO 69: EDUCATIONAL ATTAINMENT, FEBRUARY 1992**  
(Source: Table 2)



(a) Includes persons for whom secondary school qualifications could not be determined.

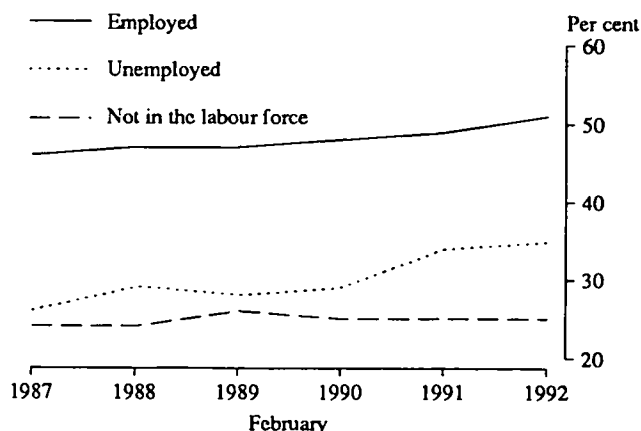
### Overview

In February 1992 the estimated civilian population aged 15 to 69 was 12,155,200 persons, an increase of 169,300 since the previous year.

Persons without post-school qualifications (6,485,200) comprise the larger part of this population and 4,711,300 (73%) of these had not attended the highest level of school available. A further 1,708,700 (26%) had attended the highest level of schooling.

Persons with post-school qualifications numbered 5,076,500 and comprised 2,272,800 (45%) with a certificate or diploma, 1,620,200 (32%) with a trade qualification, 1,139,500 (22%) with a degree or higher and 44,000 (1%) with other qualifications.

**DIAGRAM 2. PROPORTION OF PERSONS IN A LABOUR FORCE CATEGORY WITH POST-SCHOOL QUALIFICATIONS, FEBRUARY 1987 TO 1992**



Source: Table 4

It was estimated that 593,400 persons were attending school.

### Since February 1987.....

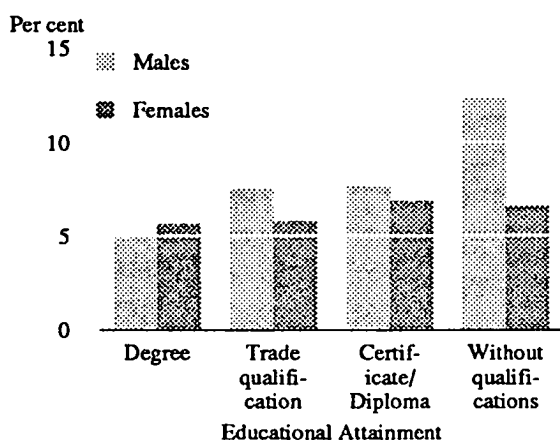
- the number of persons aged 15 to 69 has increased by 10 per cent (1,055,100)
- the number of persons with post-school qualifications has increased by 20 per cent (835,700)
- the number without post-school qualifications has increased by 2 per cent (150,900)
- there has been a decrease of 9 per cent (276,100) in the number of persons without qualifications who had left school at age 15 or under
- employed persons with post-school qualifications increased by 19 per cent (612,700) while those without post-school qualifications recorded a slight decrease of 0.1 per cent (4,000)
- the number of unemployed persons with post-school qualifications increased by 93 per cent (166,500); those with a degree or higher rose by 134 per cent (34,000), those with trade qualifications rose by 85 per cent (54,400), those with certificates or diplomas were up 90 per cent (76,600) and there was an increase of 144 per cent (1,400) in the number of unemployed persons with other post-school qualifications.

### Since February 1991.....

- an extra 180,400 persons were recorded as having post-school qualifications (4%)
- persons with degrees were the major component of this increase, rising by 92,300 (51%)

- the age group 45 to 54 recorded the largest increase in the number of persons with post-school qualifications, rising by 49,900 (6%)
- the number of employed persons with post-school qualifications increased by 78,000 (2%) while the number without qualifications decreased by 159,400 (4%)
- the number of unemployed persons with post-school qualifications increased by 28 per cent (75,300) with estimates for persons with a degree or higher and those with trade qualifications both showing a 34 per cent increase. The number of unemployed persons without post-school qualifications increased by 23 per cent (110,200).

**DIAGRAM 3. PROPORTION OF PERSONS IN AN EDUCATIONAL ATTAINMENT CATEGORY WHO WERE UNEMPLOYED, FEBRUARY 1992**



Source: Table 1

#### *Participation in the labour force*

Persons with post-school qualifications had a labour force participation rate of 82.2 per cent compared to 64.7 per cent for those without post-school qualifications.

Of persons without post-school qualifications, those who had attended the highest level of school available had a participation rate of 75.1 per cent and persons who had not attended at the highest level had a participation rate of 61.1 per cent.

Persons who had never attended school (41,300) had a participation rate of 33.9 per cent.

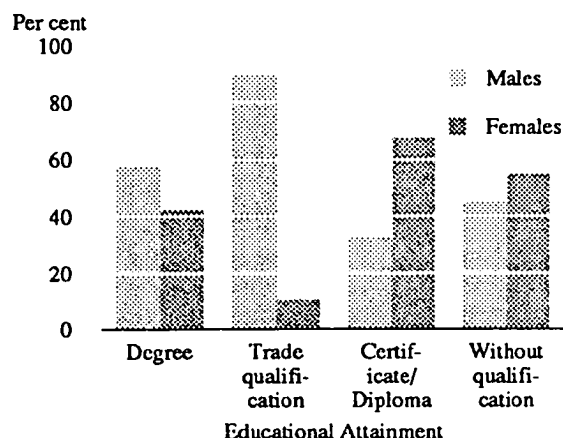
#### *Persons not in the labour force*

Since 1987 the number of persons in this category with a post-school qualification increased by 56,600 (7%).

In February 1991, 25 per cent (901,800) of persons not in the labour force had post-school qualifications. Females accounted for 571,200 (63%) of these with the majority (415,100) holding certificates or diplomas.

Among the 2,289,200 persons without post-school qualifications, only 424,800 (19%) had attended the highest level of secondary school available.

**DIAGRAM 4. DISTRIBUTION OF POST-SCHOOL QUALIFICATIONS AMONG MALES AND FEMALES, FEBRUARY 1992**



Source: Table 1

#### *Educational characteristics of family members In February 1992.....*

- 51 per cent (2,035,700) of persons identified as husbands or wives with dependent children had a post-school qualification, while 38 per cent (1,523,900) had not attended the highest level of school available
- 51 per cent (212,800) of sole parents had not attended the highest level of school available while 39 per cent (161,300) had attained post-school qualifications

#### *Occupation*

Just under half of the number of employed managers and administrators had post-school qualifications (411,600) compared to 89 per cent of professionals (901,900), 77 per cent of para-professionals (349,000) and 67 per cent of tradespersons (761,300). Labourers and related workers had the lowest proportion of persons with post-school qualifications at 25 per cent (289,100).

#### *Industry*

The industry recording the highest proportion of persons with post-school qualifications was community services with 72 per cent (1,014,900). The lowest level was in the agriculture, forestry, fishing and hunting industries with 31 per cent (118,800).

Of the 950,500 employed persons with degrees, 43 per cent were in the community services industry.

Three industries accounted for almost two-thirds of persons with trade qualifications. These were manufacturing with 280,800 (23%), wholesale and retail trade with 262,300 (21%) and construction with 241,600 (19%).

TABLE 1. PERSONS AGED 15 TO 69: EDUCATIONAL ATTAINMENT AND LABOUR FORCE STATUS, FEBRUARY 1992

Educational attainment	Employed			Unem- ployed —'000—	Labour force	Not in labour force	Total	Unem- ployment rate —per cent—	Partici- pation rate
	Full-time	Part-time	Total						
MALES									
With post-school qualifications	2,190.3	148.1	2,338.4	199.8	2,538.2	330.5	2,868.8	7.9	88.5
Degree	538.5	38.8	577.3	32.2	609.5	47.9	657.4	5.3	92.7
Trade qualification	1,085.9	62.3	1,148.2	108.7	1,256.9	192.9	1,449.8	8.6	86.7
Certificate or diploma	548.5	45.4	593.9	56.5	650.4	85.5	735.9	8.7	88.4
Other	17.4	* 1.7	19.0	* 2.5	21.5	4.2	25.7	* 11.5	83.6
Without post-school qualifications(a)	1,793.7	198.8	1,992.5	364.1	2,356.6	588.5	2,945.1	15.4	80.0
Attended highest level of secondary school available	507.9	99.5	607.3	102.9	710.2	150.1	860.3	14.5	82.5
Did not attend highest level of secondary school available	1,274.4	96.9	1,371.3	257.3	1,628.5	427.8	2,056.4	15.8	79.2
Left at age—									
18 and over	26.6	* 3.1	29.7	7.7	37.4	6.8	44.2	20.6	84.6
16 or 17	513.4	36.1	549.4	91.9	641.4	66.1	707.4	14.3	90.7
14 or 15	637.2	49.5	686.8	136.3	823.0	262.2	1,085.3	16.6	75.8
13 and under	97.2	8.2	105.4	21.3	126.7	92.7	219.4	16.8	57.7
Never attended school	5.4	* 1.4	6.8	* 1.7	8.5	8.0	16.5	* 20.3	51.7
Still at school	* 0.8	63.2	64.0	23.7	87.7	212.1	299.8	27.0	29.3
Total	3,984.9	410.1	4,395.0	587.6	4,982.5	1,131.1	6,113.6	11.8	81.5
FEMALES									
With post-school qualifications	970.2	521.6	1,491.8	144.8	1,636.6	571.2	2,207.8	8.8	74.1
Degree	275.0	98.2	373.2	27.3	400.5	81.6	482.1	6.8	83.1
Trade qualification	54.9	37.8	92.6	9.9	102.5	67.9	170.5	9.7	60.2
Certificate or diploma	635.1	381.2	1,016.3	105.5	1,121.8	415.1	1,536.9	9.4	73.0
Other	5.3	4.4	9.7	* 2.1	11.8	6.5	18.3	* 18.1	64.4
Without post-school qualifications(a)	917.8	689.1	1,606.9	232.5	1,839.4	1,700.7	3,540.1	12.6	52.0
Attended highest level of secondary school available	295.8	199.4	495.2	78.6	573.7	274.7	848.4	13.7	67.6
Did not attend highest level of secondary school available	614.7	485.9	1,100.6	151.8	1,252.4	1,402.5	2,654.9	12.1	47.2
Left at age—									
18 and over	12.2	5.7	17.9	* 2.2	20.1	18.8	38.9	* 11.1	51.7
16 or 17	263.6	188.2	451.8	62.6	514.4	347.6	862.0	12.2	59.7
14 or 15	306.7	268.4	575.1	75.7	650.8	849.9	1,500.7	11.6	43.4
13 and under	32.3	23.6	55.8	11.3	67.1	186.2	253.3	16.8	26.5
Never attended school	* 3.4	* 1.4	4.8	* 0.7	5.5	19.3	24.7	* 12.9	22.1
Still at school	* 0.8	76.6	77.4	21.3	98.7	195.0	293.7	21.5	33.6
Total	1,888.8	1,287.3	3,176.1	398.5	3,574.7	2,466.9	6,041.6	11.1	59.2
PERSONS									
With post-school qualifications	3,160.5	669.6	3,830.2	344.6	4,174.8	901.8	5,076.5	8.3	82.2
Degree	813.5	137.0	950.5	59.4	1,010.0	129.5	1,139.5	5.9	88.6
Trade qualification	1,140.8	100.0	1,240.8	118.6	1,359.4	260.8	1,620.2	8.7	83.9
Certificate or diploma	1,183.6	426.6	1,610.2	161.9	1,772.1	500.7	2,272.8	9.1	78.0
Other	22.6	6.0	28.7	4.6	33.3	10.8	44.0	13.9	75.6
Without post-school qualifications(a)	2,711.5	887.9	3,599.5	596.6	4,196.0	2,289.2	6,485.2	14.2	64.7
Attended highest level of secondary school available	803.7	298.8	1,102.5	181.4	1,283.9	424.8	1,708.7	14.1	75.1
Did not attend highest level of secondary school available	1,889.1	582.8	2,471.9	409.1	2,881.0	1,830.4	4,711.3	14.2	61.1
Left at age—									
18 and over	38.8	8.8	47.6	9.9	57.5	25.6	83.1	17.3	69.2
16 or 17	777.0	224.3	1,001.3	154.5	1,155.8	413.6	1,569.4	13.4	73.6
14 or 15	943.9	318.0	1,261.9	212.0	1,473.9	1,112.1	2,586.0	14.4	57.0
13 and under	129.5	31.7	161.2	32.6	193.8	279.0	472.8	16.8	41.0
Never attended school	8.8	* 2.8	11.6	* 2.4	14.0	27.3	41.3	* 17.4	33.9
Still at school	* 1.6	139.8	141.5	44.9	186.4	407.1	593.4	24.1	31.4
Total	5,873.7	1,697.4	7,571.1	986.1	8,557.2	3,598.0	12,155.2	11.5	70.4

(a) Includes persons for whom attendance at a secondary school could not be determined.

TABLE 2. PERSONS AGED 15 TO 69: EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1992  
(<sup>'000</sup>)

Educational attainment	Age						Total
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 - 69	
MALES							
With post-school qualifications	28.6	264.0	776.1	777.4	543.4	479.3	2,868.8
Degree	* 0.2	52.0	189.5	220.0	120.9	74.7	657.4
Trade qualification	8.9	137.0	396.4	352.5	278.4	276.6	1,449.8
Certificate or diploma	18.3	71.6	184.4	199.1	138.1	124.5	735.9
Other	* 1.2	* 3.4	5.8	5.9	6.0	* 3.4	25.7
Without post-school qualifications(a)	345.8	438.4	611.8	533.7	450.4	565.0	2,945.1
Attended highest level of secondary school available	180.7	220.7	177.4	148.6	69.8	63.2	860.3
Did not attend highest level of secondary school available	164.9	217.7	430.2	379.5	373.2	490.8	2,056.4
Left at age—							
18 and over	* 0.8	9.8	13.3	12.0	4.7	3.7	44.2
16 or 17	98.3	132.1	220.2	133.6	68.1	55.1	707.4
14 or 15	64.9	72.8	184.3	204.4	243.5	315.4	1,085.3
13 and under	* 0.9	* 3.1	12.4	29.5	56.8	116.7	219.4
Never attended school	* 0.0	* 0.0	* 1.5	* 2.6	4.2	8.3	16.5
Still at school	298.4	* 1.4	..	..	..	..	299.8
Total	672.7	703.8	1,387.9	1,311.1	993.8	1,044.3	6,113.6
FEMALES							
With post-school qualifications	55.5	282.8	666.6	597.5	346.6	258.8	2,207.8
Degree	* 0.6	62.4	165.2	159.6	65.0	29.4	482.1
Trade qualification	4.5	21.4	44.4	35.6	29.0	35.5	170.5
Certificate or diploma	49.0	196.0	453.8	396.6	250.4	191.0	1,536.9
Other	* 1.3	* 2.9	* 3.2	5.8	* 2.2	* 2.9	18.3
Without post-school qualifications(a)	297.8	405.8	725.0	713.2	597.3	801.0	3,540.1
Attended highest level of secondary school available	187.3	195.0	188.5	131.4	75.8	70.4	848.4
Did not attend highest level of secondary school available	110.4	210.1	531.9	575.2	511.7	715.6	2,654.9
Left at age—							
18 and over	* 1.5	6.7	11.4	9.5	4.8	4.9	38.9
16 or 17	57.2	122.8	277.0	208.2	108.7	88.0	862.0
14 or 15	50.9	75.9	229.2	321.3	332.0	491.5	1,500.7
13 and under	* 0.8	4.8	14.3	36.3	66.1	131.1	253.3
Never attended school	* 0.0	* 0.0	* 1.9	3.9	6.9	12.0	24.7
Still at school	292.2	* 1.5	..	..	..	..	293.7
Total	645.5	690.1	1,391.6	1,310.7	943.8	1,059.8	6,041.6
PERSONS							
With post-school qualifications	84.1	546.8	1,442.7	1,374.9	890.0	738.1	5,076.5
Degree	* 0.9	114.4	354.7	379.5	185.9	104.1	1,139.5
Trade qualification	13.4	158.4	440.8	388.1	307.4	312.2	1,620.2
Certificate or diploma	67.3	267.6	638.2	595.6	388.5	315.5	2,272.8
Other	* 2.5	6.4	9.0	11.7	8.1	6.3	44.0
Without post-school qualifications(a)	643.6	844.2	1,336.8	1,246.9	1,047.7	1,366.0	6,485.2
Attended highest level of secondary school available	368.0	415.7	365.9	280.0	145.6	133.6	1,708.7
Did not attend highest level of secondary school available	275.3	427.9	962.1	954.8	884.8	1,206.4	4,711.3
Left at age—							
18 and over	* 2.3	16.5	24.7	21.5	9.6	8.6	83.1
16 or 17	155.5	254.9	497.2	341.9	176.8	143.1	1,569.4
14 or 15	115.7	148.7	413.5	525.6	575.5	806.9	2,586.0
13 and under	* 1.7	7.9	26.7	65.8	122.9	247.8	472.8
Never attended school	* 0.0	* 0.0	* 3.4	6.5	11.0	20.3	41.3
Still at school	590.6	* 2.9	..	..	..	..	593.4
Total	1,318.2	1,393.9	2,779.5	2,621.8	1,937.7	2,104.1	12,155.2

(a) Includes persons for whom attendance at a secondary school could not be determined.

TABLE 3. PERSONS AGED 15 TO 69: FAMILY STATUS AND EDUCATIONAL ATTAINMENT, FEBRUARY 1992  
(<sup>'000</sup>)

Family status	Educational attainment							
	With post-school qualifications				Without post-school qualifications			
	Degree	Trade qualification	Certificate or diploma	Total(a)	Attended highest level of secondary school available	Did not attend highest level of secondary school available	Total(b)	Total(c)
MALES								
Member of a family	528.3	1,234.8	602.3	2,387.0	688.6	1,701.1	2,413.3	5,080.9
Husband	456.4	1,061.5	500.9	2,035.8	329.3	1,269.4	1,617.2	3,653.0
With dependents present	298.6	588.1	295.2	1,191.4	205.8	637.5	851.4	2,042.8
Without dependents present	157.8	473.4	205.8	844.4	123.6	632.0	765.9	1,610.2
Sole parent	8.2	10.9	7.4	26.8	6.8	17.3	24.5	51.3
Other family head	* 3.4	16.0	7.3	26.7	4.8	23.0	28.5	55.2
Full-time student aged 15-24(d)	6.1	* 1.2	5.6	12.9	132.6	13.1	145.7	438.6
Other child of married couple or family head	51.8	132.8	74.1	262.7	202.4	340.1	545.4	808.7
Other relative of married couple or family head	* 2.4	12.5	6.9	22.2	12.7	38.3	51.9	74.1
Not a member of a family	111.0	180.6	115.5	410.4	139.5	293.2	436.1	851.4
Living alone	48.1	95.5	62.2	206.9	52.5	147.5	201.8	409.2
Not living alone	62.9	85.1	53.3	203.5	87.0	145.7	234.3	442.2
Family status not determined	18.0	34.3	18.0	71.4	32.2	62.0	95.8	181.3
Total	657.4	1,449.8	735.9	2,868.8	860.3	2,056.4	2,945.1	6,113.6
FEMALES								
Member of a family	373.1	149.0	1,295.2	1,832.7	709.0	2,310.9	3,051.0	5,159.0
Wife	295.5	115.2	984.2	1,404.2	389.7	1,836.5	2,249.8	3,654.2
With dependents present	188.7	60.4	590.7	844.3	218.3	886.5	1,113.6	1,957.9
Without dependents present	106.8	54.9	393.4	559.9	171.4	950.1	1,136.1	1,696.3
Sole parent	22.7	10.4	99.4	134.5	33.6	195.6	230.2	364.8
Other family head	4.7	4.9	31.6	42.8	11.2	76.4	89.2	132.1
Full-time student aged 15-24(d)	5.6	* 0.0	10.6	16.5	124.1	7.0	131.1	421.8
Other child of married couple or family head	41.4	16.0	155.9	215.5	141.6	156.6	300.6	516.9
Other relative of married couple or family head	* 3.2	* 2.4	13.5	19.2	8.9	38.7	50.0	69.2
Not a member of a family	94.0	17.5	189.4	302.9	103.2	271.6	379.8	686.6
Living alone	44.5	10.1	107.3	162.5	34.5	182.0	219.6	382.3
Not living alone	49.5	7.4	82.1	140.4	68.7	89.6	160.2	304.3
Family status not determined	15.0	4.0	52.3	72.2	36.2	72.5	109.4	196.0
Total	482.1	170.5	1,536.9	2,207.8	848.4	2,654.9	3,540.1	6,041.6
PERSONS								
Member of a family	901.5	1,383.7	1,897.5	4,219.7	1,397.7	4,012.0	5,464.2	10,239.9
Husband or wife	751.9	1,176.7	1,485.1	3,439.9	719.1	3,105.9	3,867.0	7,307.2
With dependents present	487.3	648.4	885.9	2,035.7	424.1	1,523.9	1,965.0	4,000.6
Without dependents present	264.6	528.3	599.2	1,404.3	295.0	1,582.0	1,902.0	3,306.6
Sole parent	30.9	21.3	106.8	161.3	40.3	212.8	254.8	416.1
Other family head	8.1	20.9	38.9	69.5	15.9	99.4	117.7	187.3
Full-time student aged 15-24(d)	11.8	* 1.2	16.2	29.4	256.7	20.1	276.8	860.4
Other child of married couple or family head	93.2	148.8	230.0	478.2	344.0	496.7	846.0	1,325.6
Other relative of married couple or family head	5.6	14.8	20.4	41.4	21.6	77.0	101.9	143.3
Not a member of a family	205.0	198.1	304.9	713.3	242.7	564.8	815.9	1,538.0
Living alone	92.6	105.6	169.5	369.4	86.9	329.5	421.4	791.6
Not living alone	112.4	92.5	135.4	343.9	155.7	235.2	394.5	746.5
Family status not determined	33.0	38.4	70.4	143.5	68.4	134.6	205.1	377.2
Total	1,139.5	1,620.2	2,272.8	5,076.5	1,708.7	4,711.3	6,485.2	12,155.2

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (c) Includes persons still at school. (d) Excludes persons aged 21 to 24 attending school.

TABLE 4. PERSONS AGED 15 TO 69: LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1987 TO FEBRUARY 1992  
(<sup>'000</sup>)

	1987	1988	1989	1990	1991	1992
<i>Employed</i>	6,939.2	7,159.5	7,478.8	7,724.0	7,651.8	7,571.1
With post-school qualifications	3,217.5	3,349.5	3,526.0	3,668.9	3,752.2	3,830.2
Degree	683.7	734.5	770.4	834.4	875.0	950.5
Trade qualification	1,209.2	1,227.1	1,248.3	1,255.9	1,242.2	1,240.8
Certificate or diploma	1,299.3	1,368.7	1,491.1	1,532.3	1,604.1	1,610.2
Other	25.3	19.2	16.3	46.2	31.0	28.7
Without post-school qualifications(a)	3,603.5	3,689.7	3,808.2	3,911.0	3,758.9	3,599.5
Attended highest level of secondary school available	881.3	928.9	977.8	1,068.1	1,094.8	1,102.5
Did not attend highest level of secondary school available	2,695.0	2,725.4	2,802.4	2,813.9	2,638.8	2,471.9
left at age —						
16 and over	1,053.3	1,097.4	1,186.2	1,202.0	1,147.3	1,048.8
15 and under	1,641.7	1,627.9	1,616.2	1,611.9	1,491.6	1,423.1
Still at school	118.2	120.3	144.6	144.2	140.7	141.5
<i>Unemployed</i>	687.3	633.0	588.0	581.8	800.7	986.1
With post-school qualifications	178.1	181.8	165.9	168.3	269.3	344.6
Degree	25.4	27.2	32.3	37.5	44.2	59.4
Trade qualification	64.2	61.8	46.6	46.3	88.2	118.6
Certificate or diploma	85.3	89.5	83.6	80.5	131.2	161.9
Other	*3.2	*3.3	*3.4	4.0	5.7	4.6
Without post-school qualifications(a)	468.0	410.9	384.8	377.4	486.4	596.6
Attended highest level of secondary school available	109.1	97.2	96.9	96.6	132.8	181.4
Did not attend highest level of secondary school available	355.2	308.2	283.8	277.2	350.8	409.1
left at age —						
16 and over	143.0	130.1	118.3	118.7	153.4	164.5
15 and under	212.2	178.1	165.5	158.5	197.4	244.6
Still at school	41.2	40.3	37.3	36.1	45.1	44.9
<i>Labour force</i>	7,626.5	7,792.5	8,066.9	8,305.8	8,452.5	8,557.2
With post-school qualifications	3,395.7	3,531.3	3,691.9	3,837.1	4,021.5	4,174.8
Degree	709.1	761.7	802.7	871.9	919.1	1,010.0
Trade qualification	1,273.3	1,288.8	1,294.8	1,302.2	1,330.3	1,359.4
Certificate or diploma	1,384.6	1,458.3	1,574.6	1,612.8	1,735.3	1,772.1
Other	28.6	22.5	19.7	50.2	36.7	33.3
Without post-school qualifications(a)	4,071.4	4,100.5	4,193.1	4,288.4	4,245.3	4,196.0
Attended highest level of secondary school available	990.4	1,026.1	1,074.7	1,164.7	1,227.6	1,283.9
Did not attend highest level of secondary school available	3,050.1	3,033.6	3,086.2	3,091.1	2,989.6	2,881.0
left at age —						
16 and over	1,196.3	1,227.6	1,304.5	1,320.7	1,300.6	1,213.3
15 and under	1,853.9	1,806.0	1,781.7	1,770.4	1,689.0	1,667.7
Still at school	159.4	160.6	181.9	180.3	185.8	186.4
<i>Not in labour force</i>	3,473.6	3,576.5	3,530.5	3,492.5	3,533.4	3,598.0
With post-school qualifications	845.2	855.4	914.4	861.9	874.7	901.8
Degree	107.5	106.6	125.9	115.8	128.1	129.5
Trade qualification	254.4	262.9	269.0	255.3	241.4	260.8
Certificate or diploma	470.2	472.5	509.1	476.9	494.0	500.7
Other	13.1	13.3	10.4	13.9	11.2	10.8
Without post-school qualifications(a)	2,262.9	2,295.4	2,230.0	2,245.6	2,246.7	2,289.2
Attended highest level of secondary school available	318.0	334.2	330.6	371.0	379.5	424.8
Did not attend highest level of secondary school available	1,912.0	1,929.3	1,864.6	1,837.6	1,829.9	1,830.4
left at age —						
16 and over	430.9	444.1	440.3	434.5	432.6	439.2
15 and under	1,481.0	1,485.2	1,424.2	1,403.2	1,397.4	1,391.1
Still at school	365.6	425.7	386.2	385.0	412.0	407.1
<i>All persons</i>	11,100.1	11,369.0	11,597.4	11,798.4	11,985.9	12,155.2
With post-school qualifications	4,240.8	4,386.7	4,606.2	4,699.0	4,896.1	5,076.5
Degree	816.6	868.4	928.6	987.7	1,047.2	1,139.5
Trade qualification	1,527.7	1,551.8	1,563.8	1,557.5	1,571.7	1,620.2
Certificate or diploma	1,854.8	1,930.8	2,083.7	2,089.7	2,229.2	2,272.8
Other	41.7	35.8	30.1	64.1	47.9	44.0
Without post-school qualifications(a)	6,334.3	6,396.0	6,423.0	6,534.0	6,491.9	6,485.2
Attended highest level of secondary school available	1,308.3	1,360.3	1,405.3	1,535.7	1,607.1	1,708.7
Did not attend highest level of secondary school available	4,962.1	4,962.9	4,950.7	4,928.7	4,819.6	4,711.3
left at age —						
16 and over	1,627.2	1,671.7	1,744.8	1,755.1	1,733.2	1,652.5
15 and under	3,334.9	3,291.2	3,205.9	3,173.6	3,086.4	3,058.8
Still at school	525.0	586.3	568.1	565.3	597.8	593.4

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

TABLE 5. PERSONS AGED 15 TO 69: AGE AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1987 TO FEBRUARY 1992  
(<sup>'000</sup>)

	1987	1988	1989	1990	1991	1992
<i>Aged 15 - 24</i>	2,599.4	2,659.8	2,677.9	2,696.8	2,709.5	2,712.1
With post-school qualifications	540.0	560.2	555.8	576.8	611.2	630.9
Degree	85.0	78.6	86.7	102.4	112.2	115.2
Trade qualification	179.5	187.0	165.9	165.7	170.0	171.8
Certificate or diploma	267.9	287.1	298.5	299.1	320.9	334.9
Other	7.6	7.6	4.6	9.7	8.1	8.9
Without post-school qualifications(a)	1,534.3	1,513.3	1,554.0	1,554.7	1,500.4	1,487.8
Attended highest level of secondary school available	577.6	602.2	640.7	701.4	722.4	783.7
Did not attend highest level of secondary school available	952.4	907.2	908.8	846.9	773.0	703.2
Still at school	525.0	586.3	568.1	565.3	597.8	593.4
<i>Aged 25 - 34</i>	2,589.7	2,643.5	2,697.3	2,730.5	2,758.0	2,779.5
With post-school qualifications	1,262.4	1,331.9	1,346.5	1,357.1	1,412.2	1,442.7
Degree	303.1	335.4	325.9	325.3	347.5	354.7
Trade qualification	400.7	416.4	422.8	423.2	429.5	440.8
Certificate or diploma	544.9	570.2	589.3	593.0	620.7	638.2
Other	13.8	9.9	8.5	15.6	14.6	9.0
Without post-school qualifications(a)	1,327.3	1,311.6	1,350.8	1,373.5	1,345.8	1,336.8
Attended highest level of secondary school available	341.0	331.8	327.2	359.5	349.8	365.9
Did not attend highest level of secondary school available	976.3	969.4	1,011.2	1,001.7	986.5	962.1
<i>Aged 35 - 44</i>	2,304.4	2,387.9	2,457.7	2,527.0	2,591.5	2,621.8
With post-school qualifications	1,105.4	1,145.9	1,229.6	1,280.1	1,337.6	1,374.9
Degree	241.6	259.6	295.2	309.1	328.0	379.5
Trade qualification	370.8	370.4	375.5	387.5	388.6	388.1
Certificate or diploma	485.0	507.6	551.6	569.9	612.6	595.6
Other	8.0	8.2	7.4	13.7	8.5	11.7
Without post-school qualifications(a)	1,199.0	1,242.0	1,228.0	1,246.9	1,253.8	1,246.9
Attended highest level of secondary school available	184.8	206.9	216.1	229.2	255.3	280.0
Did not attend highest level of secondary school available	1,000.5	1,019.7	1,001.9	1,004.6	983.9	954.8
<i>Aged 45 - 54</i>	1,589.4	1,636.9	1,695.0	1,764.5	1,838.2	1,937.7
With post-school qualifications	663.1	675.4	759.3	773.0	840.1	890.0
Degree	102.8	111.7	130.5	148.3	154.8	185.9
Trade qualification	279.9	264.3	289.9	280.7	295.7	307.4
Certificate or diploma	275.6	294.7	334.9	331.0	381.7	388.5
Other	4.7	4.7	4.0	12.9	7.8	8.1
Without post-school qualifications(a)	926.3	961.5	935.7	991.5	998.1	1,047.7
Attended highest level of secondary school available	90.9	96.9	103.1	123.8	143.6	145.6
Did not attend highest level of secondary school available	819.8	847.4	818.9	855.6	842.5	884.8
<i>Aged 55 - 69</i>	2,017.3	2,040.9	2,069.6	2,079.6	2,088.8	2,104.1
With post-school qualifications	669.8	673.4	715.0	712.1	695.0	738.1
Degree	84.1	83.1	90.3	102.6	104.8	104.1
Trade qualification	296.8	313.6	309.7	300.6	288.0	312.2
Certificate or diploma	281.3	271.3	309.4	296.8	293.4	315.5
Other	7.6	5.4	5.6	12.2	8.9	6.3
Without post-school qualifications(a)	1,347.5	1,367.5	1,354.5	1,367.5	1,393.8	1,366.0
Attended highest level of secondary school available	114.0	122.5	118.1	121.9	136.1	133.6
Did not attend highest level of secondary school available	1,213.2	1,219.2	1,209.9	1,220.0	1,233.7	1,206.4
<i>All persons</i>	11,100.1	11,369.0	11,597.4	11,798.4	11,985.9	12,155.2
With post-school qualifications	4,240.8	4,386.7	4,606.2	4,699.0	4,896.1	5,076.5
Degree	816.6	868.4	928.6	987.7	1,047.2	1,139.5
Trade qualification	1,527.7	1,551.8	1,563.8	1,557.5	1,571.7	1,620.2
Certificate or diploma	1,854.8	1,930.8	2,083.7	2,089.7	2,229.2	2,272.8
Other	41.7	35.8	30.1	64.1	47.9	44.0
Without post-school qualifications(a)	6,334.3	6,396.0	6,423.0	6,534.0	6,491.9	6,485.2
Attended highest level of secondary school available	1,308.3	1,360.3	1,405.3	1,535.7	1,607.1	1,708.7
Did not attend highest level of secondary school available	4,962.1	4,962.9	4,950.7	4,928.7	4,819.6	4,711.3
Still at school	525.0	586.3	568.1	565.3	597.8	593.4

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

TABLE 6. PERSONS AGED 15 TO 69 WITH A POST-SCHOOL QUALIFICATION: AGE, LABOUR FORCE STATUS AND SUMMARY OF DEMOGRAPHIC AND EDUCATIONAL CHARACTERISTICS, FEBRUARY 1992 ('000)

	Age					Empl- oyed	Unem- ployed	Not in labour force	Total
	15 - 24	25 - 34	35 - 44	45 - 54	55 - 69				
<i>Marital status —</i>									
Married	133.4	947.4	1,127.6	734.9	579.9	2,666.8	172.7	683.7	3,523.2
Not-married	497.5	495.3	247.4	155.0	158.2	1,163.4	171.9	218.1	1,553.4
<i>Birthplace and period of arrival —</i>									
Born in Australia	544.5	1,081.2	925.0	577.0	487.6	2,793.4	215.6	606.1	3,615.2
Born outside Australia	86.4	361.5	450.0	313.0	250.5	1,036.8	129.0	295.6	1,461.3
Arrived before 1961	* 0.0	7.8	80.4	90.7	124.6	195.3	15.4	92.7	303.4
Arrived 1961 - 1970	11.6	98.5	81.8	102.4	76.8	271.9	25.1	74.1	371.1
Arrived 1971 - 1980	36.7	67.5	121.0	65.8	26.9	247.3	27.3	43.3	317.9
Arrived 1981 - 1990	31.0	155.5	150.3	51.8	19.9	297.4	45.8	65.3	408.5
Arrived 1991 - 1992	7.1	32.3	16.5	* 2.3	* 2.2	24.8	15.4	20.2	60.4
<i>Country obtained qualification —</i>									
In Australia	613.1	1,272.4	1,115.1	706.5	546.8	3,285.4	271.7	696.7	4,253.8
Outside Australia	17.8	170.3	259.9	183.5	191.3	544.8	72.9	205.0	822.7
Main english-speaking countries(a)	10.6	77.4	129.0	97.8	101.6	296.4	29.3	90.6	416.4
Other countries	7.2	92.9	130.9	85.7	89.7	248.3	43.6	114.4	406.3
<i>Year obtained qualification —</i>									
Before 1951	..	..	..	..	264.4	63.1	4.4	197.0	264.5
1951 - 1960	..	..	..	185.6	301.8	295.9	22.5	169.4	487.8
1961 - 1970	..	..	297.5	437.6	79.0	645.8	39.3	129.0	814.0
1971 - 1980	..	379.0	728.0	131.4	55.0	1,038.5	68.4	185.9	1,292.8
1981 - 1990	428.9	973.7	293.3	112.9	32.5	1,513.3	140.5	187.5	1,841.3
1991 - 1992	202.0	89.9	56.2	22.6	5.4	273.7	69.5	32.9	376.1
<i>Main field of study —</i>									
<i>Degree —</i>	115.2	354.7	379.5	185.9	104.1	950.5	59.4	129.5	1,139.5
Administration(b)	32.5	68.9	66.6	32.6	15.6	183.7	12.8	19.7	216.2
Law	4.7	11.0	14.0	7.8	* 2.8	35.7	* 1.0	3.5	40.3
Education	11.2	55.6	66.2	39.8	13.2	157.1	7.2	21.7	186.0
Medicine	4.4	29.3	27.7	16.5	13.7	81.1	* 2.3	8.2	91.6
Science, maths, computing	24.0	69.5	60.7	22.4	15.2	161.9	9.2	20.7	191.9
Veterinary, agric., forestry	* 1.3	10.1	7.4	4.0	* 2.8	20.2	* 1.5	3.9	25.6
Engineering	6.2	29.4	41.0	18.2	15.1	89.3	8.8	11.8	109.9
Architecture	* 2.7	6.5	9.4	4.8	* 2.3	20.7	* 2.9	* 2.0	25.7
Social sciences, arts, etc.	24.8	68.2	79.3	35.3	19.7	180.3	12.5	34.7	227.4
Other fields of degree	* 3.4	6.2	7.3	4.5	3.6	20.4	* 1.2	* 3.3	24.9
<i>Trade qualification —</i>	171.8	440.8	388.1	307.4	312.2	1,240.8	118.6	260.8	1,620.2
Metal	29.2	85.8	69.8	64.2	70.3	246.7	25.5	47.1	319.3
Service	19.0	33.4	28.8	19.1	12.7	72.5	4.9	35.8	113.1
Building	32.9	87.4	85.6	69.9	72.7	263.6	31.4	53.5	348.5
Electrical	15.1	63.5	55.1	37.0	30.2	167.4	12.7	20.7	200.8
Food and drink	20.1	33.9	30.3	21.3	18.1	98.3	8.6	16.7	123.6
Wood and furniture	5.4	16.0	10.8	9.0	9.5	40.8	3.7	6.2	50.7
Printing and allied	4.4	15.0	11.6	10.8	9.6	40.0	* 3.3	8.1	51.4
Automotive, mechanical	30.8	75.0	66.9	39.4	41.7	207.9	17.7	28.1	253.8
Footwear, clothing, textiles	* 1.5	* 2.9	6.9	18.4	28.9	25.5	* 2.8	30.2	58.6
Other fields of trade	13.5	27.9	22.3	18.2	18.5	78.1	8.0	14.4	100.5
<i>Certificate or diploma —</i>	334.9	638.2	595.6	388.5	315.5	1,610.2	161.9	500.7	2,272.8
Business administration(c)	40.7	75.0	82.3	65.5	54.3	240.6	19.0	58.3	317.9
Secretarial(d)	110.8	169.7	130.4	82.2	60.6	348.4	44.6	160.8	553.7
Education, teacher training	17.1	58.5	86.1	45.1	33.1	174.5	13.0	52.3	239.8
Nursing	22.6	98.3	95.3	71.1	54.5	245.6	12.4	83.7	341.7
Other health, para-medical	16.3	35.7	32.0	14.8	14.4	82.3	7.6	23.2	113.2
Science(e)	27.3	51.1	36.7	17.5	15.7	119.1	10.9	18.3	148.3
Engineering, architecture	10.1	32.4	37.2	25.8	24.1	103.2	7.6	18.7	129.5
Transport, communication	4.8	18.2	17.2	10.6	13.1	49.2	5.7	8.9	63.8
Social studies, arts, crafts	21.6	29.1	28.6	20.0	19.9	69.5	11.6	38.1	119.2
Other fields of certificate/diploma	63.7	70.4	50.0	35.9	25.8	177.7	29.7	38.4	245.8
<i>Other post-school qualifications</i>	8.9	9.0	11.7	8.1	6.3	28.7	4.6	10.8	44.0
<b>Persons</b>	<b>630.9</b>	<b>1,442.7</b>	<b>1,374.9</b>	<b>890.0</b>	<b>738.1</b>	<b>3,830.2</b>	<b>344.6</b>	<b>901.8</b>	<b>5,076.5</b>
Males	292.6	776.1	777.4	543.4	479.3	2,338.4	199.8	330.5	2,868.8
Females	338.3	666.6	597.5	346.6	258.8	1,491.8	144.8	571.2	2,207.8

(a) Comprises United Kingdom, Ireland, Canada, South Africa, U.S.A. and New Zealand. (b) Includes Business Studies and Commerce. (c) Includes Commerce. (d) Includes Typing and Data Processing. (e) Includes Computing and Agriculture.

TABLE 7. EMPLOYED PERSONS AGED 15 TO 69: EDUCATIONAL ATTAINMENT AND SUMMARY OF  
DEMOGRAPHIC AND EMPLOYMENT CHARACTERISTICS, FEBRUARY 1992  
(<sup>'000</sup>)

	Educational attainment							
	With post-school qualifications				Without post-school qualifications			
	Degree	Trade qualif- ication	Certif- icate or diploma	Total(a)	Attended highest level of secondary school available	Did not attend highest level of secondary school available	Total(b)	Total(c)
<i>Age —</i>								
15 - 24	89.3	142.9	250.8	490.5	479.4	425.2	904.9	1,536.9
25 - 34	302.2	379.3	463.4	1,150.7	266.1	579.5	849.6	2,000.3
35 - 44	333.2	334.9	471.7	1,148.0	212.7	638.0	857.7	2,005.7
45 - 54	165.5	251.8	306.3	729.4	101.1	544.2	653.8	1,383.2
55 - 69	60.3	132.0	118.1	311.6	43.1	285.0	333.4	645.0
<i>Marital status —</i>								
Married	646.6	925.8	1,077.6	2,666.8	499.4	1,676.6	2,194.2	4,861.0
Not-married	303.9	315.0	532.6	1,163.4	603.1	795.3	1,405.2	2,710.1
<i>Birthplace and period of arrival —</i>								
Born in Australia	647.6	900.7	1,221.2	2,793.4	846.7	1,891.9	2,751.9	5,670.5
Born outside Australia	302.9	340.1	389.0	1,036.8	255.8	580.0	847.6	1,900.6
Arrived before 1961	46.7	78.9	69.0	195.3	28.5	145.8	177.8	373.1
Arrived 1961 - 1970	59.6	104.2	106.8	271.9	54.6	190.3	248.8	520.7
Arrived 1971 - 1980	72.4	76.9	96.8	247.3	87.0	132.0	221.8	476.1
Arrived 1981 - 1990	113.2	74.3	108.5	297.4	80.9	105.1	187.4	493.4
Arrived 1991 - 1992	11.0	5.8	7.9	24.8	4.7	6.9	11.9	37.3
<i>Status of worker —</i>								
Wage and salary earners	839.8	945.7	1,395.5	3,205.6	972.3	2,035.5	3,029.0	6,363.3
Other	110.7	295.1	214.7	624.6	130.2	436.4	570.5	1,207.8
<i>Full-time/part-time status —</i>								
Full-time workers	813.5	1,140.8	1,183.6	3,160.5	803.7	1,889.1	2,711.5	5,873.7
Part-time workers	137.0	100.0	426.6	669.6	298.8	582.8	887.9	1,697.4
<i>Occupation in current job —</i>								
Managers and administrators	114.7	121.9	172.0	411.6	115.0	300.0	416.9	828.8
Professionals	607.0	32.7	260.5	901.9	63.4	41.5	105.5	1,008.4
Para-professionals	40.7	65.3	240.2	349.0	50.1	52.3	102.9	452.9
Tradespersons	14.6	669.1	74.8	761.3	87.3	291.7	381.1	1,144.0
Clerks	80.6	36.9	416.7	539.9	286.2	444.7	737.4	1,278.8
Salespersons and personal service workers	61.8	72.8	267.2	405.8	268.2	412.3	682.0	1,170.7
Plant and machine operators, and drivers	7.7	103.6	56.0	171.5	59.8	312.8	376.0	548.2
Labourers and related workers	23.4	138.5	122.9	289.1	172.4	616.7	797.6	1,139.4
<i>Industry of current job —</i>								
Agriculture, forestry, fishing and hunting	10.5	34.3	72.2	118.8	49.7	210.4	260.9	387.2
Mining	10.4	30.3	12.6	53.8	7.8	27.8	35.5	89.4
Manufacturing	73.4	280.8	152.7	510.5	141.2	436.7	582.9	1,101.4
Electricity, gas and water	9.3	31.3	19.4	60.2	15.0	35.7	51.2	111.4
Construction	14.5	241.6	53.3	311.5	47.1	155.8	204.7	516.9
Wholesale and retail trade	85.3	262.3	244.2	596.1	283.9	597.0	883.5	1,583.4
Transport and storage	18.0	69.9	67.9	158.1	51.3	171.8	225.5	383.8
Communication	13.3	28.5	24.9	68.4	19.8	47.1	67.9	136.3
Finance, property and business services	189.7	46.8	232.4	472.9	181.9	210.9	395.7	871.0
Public administration and defence	76.3	31.8	84.3	193.9	61.6	99.2	162.5	356.4
Community services	406.0	77.4	527.0	1,014.9	119.8	274.2	398.7	1,416.3
Recreation, personal and other services	43.9	105.8	119.4	271.1	123.5	205.3	330.5	617.6
<b>Persons</b>	<b>950.5</b>	<b>1,240.8</b>	<b>1,610.2</b>	<b>3,830.2</b>	<b>1,102.5</b>	<b>2,471.9</b>	<b>3,599.5</b>	<b>7,571.1</b>
Males	577.3	1,148.2	593.9	2,338.4	607.3	1,371.3	1,992.5	4,395.0
Females	373.2	92.6	1,016.3	1,491.8	495.2	1,100.6	1,606.9	3,176.1

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (c) Includes persons still at school.

**TABLE 8. EMPLOYED PERSONS AGED 15 TO 69: EDUCATIONAL ATTAINMENT, OCCUPATION AND BIRTHPLACE, FEBRUARY 1992 ('000)**

Educational attainment	Occupation in current job								
	Managers and administrators	Professionals	Para-professionals	Tradespersons	Clerks	Salespersons and personal service workers	Plant and machine operators and drivers	Labourers and related workers	All occupations
BORN IN AUSTRALIA									
With post-school qualifications	299.0	658.6	258.3	550.2	405.5	305.5	124.6	191.7	2,793.4
Degree	72.7	435.6	27.8	6.8	48.6	42.9	* 3.4	9.8	647.6
Trade qualification	88.8	23.5	50.3	486.5	28.1	52.1	78.3	93.2	900.7
Certificate or diploma	134.6	198.2	177.9	54.5	324.1	207.0	39.8	85.0	1,221.2
Other	* 2.9	* 1.3	* 2.3	* 2.3	4.7	3.6	* 3.1	3.8	24.0
Without post-school qualifications(a)	326.4	80.2	79.8	283.7	602.0	554.8	257.7	567.3	2,751.9
Attended highest level of secondary school available	88.1	49.7	38.3	64.7	226.3	219.5	37.1	123.0	846.7
Did not attend highest level of secondary school available	237.9	30.2	41.1	218.9	370.4	333.9	218.9	440.6	1,891.9
Still at school	* 0.3	* 0.9	* 1.0	* 1.5	* 1.1	74.8	* 0.6	45.1	125.2
Total	625.7	739.7	339.0	835.4	1,008.6	935.1	382.8	804.1	5,670.5
BORN OVERSEAS IN A MAIN ENGLISH-SPEAKING COUNTRY(b)									
With post-school qualifications	53.5	121.4	51.1	99.4	64.0	53.3	19.3	38.7	500.8
Degree	20.1	81.1	5.2	* 2.4	8.1	6.5	* 0.3	* 2.4	126.0
Trade qualification	14.7	6.2	8.7	89.1	6.4	12.0	11.6	21.6	170.3
Certificate or diploma	18.7	33.9	36.6	7.5	48.8	34.7	7.0	14.7	202.1
Other	* 0.0	* 0.2	* 0.6	* 0.4	* 0.7	* 0.0	* 0.4	* 0.0	* 2.4
Without post-school qualifications(a)	31.7	17.7	12.5	31.1	76.0	64.2	30.7	69.0	332.9
Attended highest level of secondary school available	10.3	7.9	6.5	5.9	27.3	24.9	6.2	11.8	100.6
Did not attend highest level of secondary school available	21.2	9.6	5.9	25.2	48.0	39.2	24.6	56.7	230.3
Still at school	* 0.0	* 0.1	* 0.0	* 0.0	* 0.0	4.5	* 0.0	4.9	9.5
Total	85.2	139.2	63.6	130.5	140.0	122.0	50.0	112.7	843.3
BORN OVERSEAS IN OTHER THAN MAIN ENGLISH-SPEAKING COUNTRIES									
With post-school qualifications	59.1	121.9	39.6	111.7	70.4	47.0	27.6	58.6	536.0
Degree	21.9	90.3	7.7	5.4	23.9	12.5	4.1	11.2	176.9
Trade qualification	18.4	* 3.1	6.3	93.5	* 2.4	8.7	13.7	23.6	169.8
Certificate or diploma	18.7	28.4	25.6	12.7	43.7	25.5	9.1	23.2	186.9
Other	* 0.1	* 0.1	* 0.0	* 0.0	* 0.4	* 0.4	* 0.7	* 0.6	* 2.4
Without post-school qualifications(a)	58.7	7.6	10.6	66.3	59.5	62.9	87.6	161.3	514.6
Attended highest level of secondary school available	16.7	5.7	5.3	16.8	32.6	23.8	16.6	37.6	155.2
Did not attend highest level of secondary school available	40.9	* 1.7	5.4	47.5	26.3	39.1	69.3	119.5	349.7
Still at school	* 0.0	* 0.0	* 0.0	* 0.1	* 0.3	3.6	* 0.0	* 2.7	6.7
Total	117.9	129.5	50.2	178.1	130.2	113.6	115.3	222.6	1,057.3
ALL PERSONS									
With post-school qualifications	411.6	901.9	349.0	761.3	539.9	405.8	171.5	289.1	3,830.2
Degree	114.7	607.0	40.7	14.6	80.6	61.8	7.7	23.4	950.5
Trade qualification	121.9	32.7	65.3	669.1	36.9	72.8	103.6	138.5	1,240.8
Certificate or diploma	172.0	260.5	240.2	74.8	416.7	267.2	56.0	122.9	1,610.2
Other	* 3.0	* 1.6	* 2.9	* 2.7	5.8	4.0	4.3	4.4	28.7
Without post-school qualifications(a)	416.9	105.5	102.9	381.1	737.4	682.0	376.0	797.6	3,599.5
Attended highest level of secondary school available	115.0	63.4	50.1	87.3	286.2	268.2	59.8	172.4	1,102.5
Did not attend highest level of secondary school available	300.0	41.5	52.3	291.7	444.7	412.3	312.8	616.7	2,471.9
Still at school	* 0.3	* 1.0	* 1.0	* 1.6	* 1.4	82.9	* 0.6	52.7	141.5
Total	828.8	1,008.4	452.9	1,144.0	1,278.8	1,170.7	548.2	1,139.4	7,571.1

(a) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (b) Comprises United Kingdom, Ireland, Canada, South Africa, U.S.A. and New Zealand.

TABLE 9. UNEMPLOYED PERSONS AGED 15 TO 69: EDUCATIONAL ATTAINMENT, SUMMARY OF DEMOGRAPHIC CHARACTERISTICS AND DURATION OF UNEMPLOYMENT, FEBRUARY 1992

	Educational attainment							
	With post-school qualifications				Without post-school qualifications			
	Degree	Trade qualification	Certificate or diploma	Total(a)	Attended highest level of secondary school available	Did not attend highest level of secondary school available	Total(b)	Total(c)
— '000 —								
Age —								
15 - 24	15.8	23.8	51.2	91.7	121.5	148.3	270.2	406.8
25 - 34	21.1	36.1	50.5	109.8	26.5	109.2	137.3	247.1
35 - 44	16.6	26.3	34.1	78.3	19.5	72.0	92.6	170.8
45 - 54	3.8	19.1	18.0	40.9	9.6	50.2	61.1	102.1
55 - 69	* 2.1	13.4	8.1	23.9	4.4	29.4	35.4	59.3
Marital status —								
Married	27.7	68.1	74.2	172.7	40.3	194.2	238.0	411.0
Not-married	31.7	50.5	87.7	171.9	141.2	214.9	358.6	575.1
Birthplace and period of arrival —								
Born in Australia	29.3	75.1	108.0	215.6	129.8	292.7	425.3	681.5
Born outside Australia	30.2	43.5	53.9	129.0	51.6	116.4	171.3	304.6
Arrived before 1961	* 0.9	8.2	6.4	15.4	* 1.8	12.4	14.5	29.9
Arrived 1961 - 1970	3.5	12.2	9.1	25.1	6.5	35.1	42.4	67.5
Arrived 1971 - 1980	5.0	8.5	13.5	27.3	17.1	30.8	48.7	77.6
Arrived 1981 - 1990	13.6	11.7	20.2	45.8	22.2	33.1	56.6	105.0
Arrived 1991 - 1992	7.2	* 3.0	4.8	15.4	4.1	4.9	9.0	24.6
Duration of current period of unemployment —								
1 and under 4 weeks	11.7	11.8	27.7	51.9	29.6	40.4	70.0	130.5
4 and under 8 weeks	9.2	13.2	25.0	47.6	30.2	38.9	69.6	126.7
8 and under 13 weeks	10.7	11.8	18.9	42.2	33.2	40.8	74.9	127.6
13 and under 26 weeks	8.3	20.6	20.4	50.1	29.1	52.4	82.3	137.4
26 and under 52 weeks	8.8	23.8	22.9	55.9	21.6	70.1	92.6	152.4
52 and under 104 weeks	7.8	25.9	28.5	63.5	25.1	94.2	121.3	190.3
104 weeks and over	* 3.1	11.5	18.5	33.4	12.7	72.3	86.0	121.2
Persons	59.4	118.6	161.9	344.6	181.4	409.1	596.6	986.1
Males	32.2	108.7	56.5	199.8	102.9	257.3	364.1	587.6
Females	27.3	9.9	105.5	144.8	78.6	151.8	232.5	398.5
— per cent —								
Unemployment rate	5.9	8.7	9.1	8.3	14.1	14.2	14.2	11.5
Unemployment/Population ratio	5.2	7.3	7.1	6.8	10.6	8.7	9.2	8.1

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (c) Includes persons still at school.

TABLE 10. UNEMPLOYED PERSONS AGED 15 TO 69: EDUCATIONAL ATTAINMENT, UNEMPLOYMENT RATE, AVERAGE AND MEDIAN DURATION OF UNEMPLOYMENT, FEBRUARY 1987 TO FEBRUARY 1992 ('000)

	Educational attainment							
	With post-school qualifications				Without post-school qualifications			
	Degree	Trade qualification	Certificate or diploma	Total(a)	Attend highest level of secondary school available	Did not attend highest level of secondary school available	Total(b)	Total(c)
	— '000 —							
Total unemployed —								
1987	25.4	64.2	85.3	178.1	109.1	355.2	468.0	687.3
1988	27.2	61.8	89.5	181.8	97.2	308.2	410.9	633.0
1989	32.3	46.6	83.6	165.9	96.9	283.8	384.8	588.0
1990	37.5	46.3	80.5	168.3	96.6	277.2	377.4	581.8
1991	44.2	88.2	131.2	269.3	132.8	350.8	486.4	800.7
1992	59.4	118.6	161.9	344.6	181.4	409.1	596.6	986.1
	— per cent —							
Unemployment rate —								
1987	3.6	5.0	6.2	5.2	11.0	11.6	11.5	9.0
1988	3.6	4.8	6.1	5.1	9.5	10.2	10.0	8.1
1989	4.0	3.6	5.3	4.5	9.0	9.2	9.2	7.3
1990	4.3	3.6	5.0	4.4	8.3	9.0	8.8	7.0
1991	4.8	6.6	7.6	6.7	10.8	11.7	11.5	9.5
1992	5.9	8.7	9.1	8.3	14.1	14.2	14.2	11.5
	— weeks —							
Average duration of unemployment —								
1987	37.0	54.6	29.2	39.3	30.9	57.9	51.8	46.4
1988	24.9	47.5	33.9	37.8	27.7	57.3	50.5	44.4
1989	23.4	63.6	31.7	39.4	22.5	59.1	50.1	44.8
1990	27.6	37.4	33.5	33.1	23.5	48.0	41.9	37.4
1991	17.9	36.0	30.0	30.2	20.5	49.7	41.7	36.3
1992	26.4	43.0	38.1	37.8	29.1	58.7	49.8	44.3
Median duration of unemployment —								
1987	11	15	10	12	11	24	18	14
1988	7	15	8	9	9	24	17	13
1989	8	19	8	9	8	18	13	11
1990	8	8	7	8	6	13	10	9
1991	8	13	11	11	9	18	13	13
1992	12	26	15	17	12	33	26	21

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined. (c) Includes persons still at school.

TABLE 11. PERSONS AGED 19 AND 22 YEARS: LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1984 TO FEBRUARY 1992  
(\*000)

	19 years of age			22 years of age		
	1984	1988(a)	1992(a)	1984	1988(a)	1992(a)
<b>MALES</b>						
<i>Employed(b)</i>	87.5	97.6	92.0	107.2	100.0	102.6
With post-school qualifications(c)	14.3	7.9	12.2	48.5	42.0	44.8
Degree	*0.0	*0.0	*0.0	7.7	7.1	10.5
Trade qualification	} 12.9 {	*4.3	5.2	} 40.1 {	27.0	24.4
Certificate or diploma		*3.5	6.6		7.3	9.6
Without post-school qualifications(d)	73.2	89.3	79.7	58.7	58.0	57.7
Attended highest level of secondary school available	22.9	37.6	44.2	21.2	26.8	26.2
Did not attend highest level of secondary school available	50.0	51.7	35.5	37.6	31.2	31.6
<i>Unemployed(b)</i>	20.8	15.5	30.2	18.5	12.6	22.9
With post-school qualifications(c)	*1.9	*1.2	4.2	5.2	1.6	9.0
Degree	*0.0	*0.0	*0.0	*1.6	*0.5	*2.1
Trade qualification	} *1.5 {	*0.3	*1.6	} *3.6 {	*0.9	4.5
Certificate or diploma		*0.9	*2.6		*0.2	*2.4
Without post-school qualifications(d)	18.7	14.0	25.7	13.4	10.9	13.9
Attended highest level of secondary school available	6.3	5.1	13.2	*3.5	*2.3	5.3
Did not attend highest level of secondary school available	12.4	8.9	12.2	9.9	8.6	8.6
<i>Not in the labour force(b)</i>	12.4	14.3	21.9	9.3	9.8	14.2
With post-school qualifications(c)	*0.1	*0.4	*0.4	*2.6	*1.8	*1.9
Degree	*0.0	*0.0	*0.0	*1.1	*0.8	*1.3
Trade qualification	} *0.1 {	*0.0	*0.0	} *1.4 {	*0.5	*0.3
Certificate or diploma		*0.4	*0.4		*0.6	*0.3
Without post-school qualifications(d)	11.1	12.6	19.8	6.7	8.0	12.3
Attended highest level of secondary school available	6.6	8.9	16.8	*3.8	5.0	8.4
Did not attend highest level of secondary school available	*4.6	*3.6	*3.1	*2.8	*2.9	3.8
<b>All males(b)</b>	<b>120.7</b>	<b>127.5</b>	<b>144.0</b>	<b>135.0</b>	<b>122.4</b>	<b>139.7</b>
With post-school qualifications(c)	16.4	9.5	16.8	56.2	45.5	55.7
Degree	*0.0	*0.0	*0.0	10.5	8.4	13.9
Trade qualification	} 14.5 {	*4.6	6.8	} 45.1 {	28.4	29.2
Certificate or diploma		*4.7	9.6		8.1	12.3
Without post-school qualifications(d)	103.1	115.9	125.2	78.8	76.9	83.9
Attended highest level of secondary school available	35.9	51.7	74.2	28.4	34.1	40.0
Did not attend highest level of secondary school available	66.9	64.2	50.7	50.2	42.8	43.9
<b>FEMALES</b>						
<i>Employed(b)</i>	79.1	74.7	81.5	89.1	95.5	92.7
With post-school qualifications(c)	18.6	19.1	23.0	40.2	40.3	45.2
Degree	*0.0	*0.1	*0.4	5.4	7.2	11.9
Trade qualification	} 17.3 {	*2.6	*2.5	} 33.9 {	*3.8	3.9
Certificate or diploma		16.4	19.1		29.1	28.7
Without post-school qualifications(d)	60.3	55.3	58.5	48.9	55.1	47.5
Attended highest level of secondary school available	26.8	29.9	39.5	18.3	19.8	25.3
Did not attend highest level of secondary school available	33.5	25.3	19.0	30.6	35.1	22.2
<i>Unemployed(b)</i>	19.0	16.0	26.0	11.1	9.8	17.1
With post-school qualifications(c)	4.4	*3.2	6.9	4.6	3.6	8.4
Degree	*0.0	*0.2	*0.2	*1.1	*0.3	*3.2
Trade qualification	} *4.0 {	*0.7	*0.4	} *3.5 {	*0.0	*0.5
Certificate or diploma		*2.1	6.3		*3.3	4.7
Without post-school qualifications(d)	14.3	12.8	18.9	6.5	6.2	8.6
Attended highest level of secondary school available	*5.0	5.4	11.6	*0.9	*1.5	*2.9
Did not attend highest level of secondary school available	9.4	7.5	7.3	5.6	*4.8	5.7
<i>Not in the labour force(b)</i>	29.0	23.6	31.7	34.3	27.8	27.8
With post-school qualifications(c)	*2.3	*2.3	*1.6	5.7	6.7	7.8
Degree	*0.0	*0.0	*0.0	*1.3	*0.8	*0.3
Trade qualification	} *2.0 {	*0.3	*0.0	} *4.1 {	*0.7	*0.6
Certificate or diploma		*1.7	*1.6		*4.7	6.6
Without post-school qualifications(d)	24.4	19.7	27.1	28.7	21.2	20.0
Attended highest level of secondary school available	*9.3	8.7	17.7	*4.5	5.0	7.1
Did not attend highest level of secondary school available	14.9	11.0	9.5	24.1	16.1	12.7
<b>All females(b)</b>	<b>127.2</b>	<b>114.3</b>	<b>139.3</b>	<b>134.5</b>	<b>133.1</b>	<b>137.6</b>
With post-school qualifications(c)	25.3	24.6	31.5	50.5	50.6	61.4
Degree	*0.0	*0.3	*0.6	7.8	8.4	15.5
Trade qualification	} 23.3 {	*3.6	*2.9	} 41.5 {	*4.5	5.0
Certificate or diploma		20.2	27.0		37.0	40.1
Without post-school qualifications(d)	99.0	87.9	104.5	84.0	82.5	76.1
Attended highest level of secondary school available	41.0	44.0	68.8	23.6	26.3	35.4
Did not attend highest level of secondary school available	57.7	43.9	35.7	60.4	55.9	40.5

TABLE 11. PERSONS AGED 19 AND 22 YEARS: LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1984 TO FEBRUARY 1992 —continued  
(\*000)

	19 years of age			22 years of age		
	1984	1988(a)	1992(a)	1984	1988(a)	1992(a)
PERSONS						
Employed(b)	166.6	172.3	173.5	196.3	195.5	195.2
With post-school qualifications(c)	32.8	27.0	35.2	88.7	82.3	90.0
Degree	*0.0	*0.1	*0.4	13.1	14.3	22.4
Trade qualification	} 30.2 {	6.9	7.7	} 74.0 {	30.8	28.4
Certificate or diploma		19.8	25.7		36.4	38.4
Without post-school qualifications(d)	133.5	144.6	138.1	107.6	113.2	105.2
Attended highest level of secondary school available	49.8	67.5	83.7	39.4	46.6	51.5
Did not attend highest level of secondary school available	83.5	77.1	54.4	68.2	66.3	53.7
Unemployed(b)	39.8	31.6	56.2	29.6	22.3	40.0
With post-school qualifications(c)	6.4	4.4	11.0	9.8	5.2	17.5
Degree	*0.0	*0.2	*0.2	*2.7	*0.8	5.4
Trade qualification	} 5.5 {	*0.9	*2.0	} 7.0 {	*0.9	4.9
Certificate or diploma		*3.0	8.8		*3.5	7.1
Without post-school qualifications(d)	33.1	26.8	44.6	19.8	17.1	22.5
Attended highest level of secondary school available	11.3	10.5	24.8	*4.4	*3.8	8.3
Did not attend highest level of secondary school available	21.8	16.3	19.5	15.5	13.4	14.2
Not in the labour force(b)	41.4	37.9	53.6	43.6	37.7	42.0
With post-school qualifications(c)	*2.4	*2.6	*2.0	8.3	8.5	9.7
Degree	*0.0	*0.0	*0.0	*2.4	*1.6	*1.6
Trade qualification	} *2.1 {	*0.3	*0.0	} 5.6 {	*1.2	*0.9
Certificate or diploma		*2.1	*2.0		5.2	6.9
Without post-school qualifications(d)	35.5	32.3	47.0	35.3	29.1	32.3
Attended highest level of secondary school available	15.9	17.6	34.5	8.3	10.1	15.6
Did not attend highest level of secondary school available	19.4	14.7	12.5	26.9	19.0	16.5
All persons(b)	247.9	241.8	283.3	269.5	255.5	277.2
With post-school qualifications(c)	41.6	34.1	48.3	106.7	96.1	117.2
Degree	*0.0	*0.3	*0.6	18.2	16.7	29.4
Trade qualification	} 37.8 {	8.2	9.7	} 86.6 {	32.9	34.2
Certificate or diploma		25.0	36.6		45.1	52.4
Without post-school qualifications(d)	202.1	203.7	229.7	162.8	159.4	160.1
Attended highest level of secondary school available	76.9	95.6	143.0	52.1	60.5	75.4
Did not attend highest level of secondary school available	124.7	108.1	86.4	110.6	98.7	84.5

(a) Prior to February 1987 the data now published in the Educational attainment categories 'Trade qualifications' and 'Certificate or diploma' were published as 'Trade, technical or other certificate'. (b) Includes persons still attending school. (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.

TABLE 12. PERSONS AGED 19 AND 22 YEARS: DISTRIBUTION BY EDUCATIONAL ATTAINMENT,  
FEBRUARY 1984 TO FEBRUARY 1992  
(per cent)

	19 years of age			22 years of age		
	1984	1988	1992	1984	1988	1992
Males						
With post-school qualifications	13.6	7.5	11.6	41.6	37.2	39.9
Without post-school qualifications(a)	85.4	90.9	86.9	58.4	62.8	60.0
Attended highest level of secondary school available	29.7	40.5	51.5	21.0	27.9	28.6
Did not attend highest level of secondary school available	55.4	50.4	35.2	37.2	34.9	31.5
Total(b)	100.0	100.0	100.0	100.0	100.0	100.0
Females						
With post-school qualifications	19.9	21.5	22.6	37.5	38.0	44.6
Without post-school qualifications(a)	77.9	76.9	75.0	62.5	62.0	55.4
Attended highest level of secondary school available	32.3	38.5	49.4	17.6	19.8	25.7
Did not attend highest level of secondary school available	45.4	38.4	25.6	44.9	42.0	29.5
Total(b)	100.0	100.0	100.0	100.0	100.0	100.0
Persons						
With post-school qualifications	16.8	14.1	17.0	39.6	37.6	42.3
Without post-school qualifications(a)	81.5	84.3	81.1	60.4	62.4	57.7
Attended highest level of secondary school available	31.0	39.6	50.5	19.3	23.7	27.2
Did not attend highest level of secondary school available	50.3	44.7	30.5	41.0	38.6	30.5
Total(b)	100.0	100.0	100.0	100.0	100.0	100.0

(a) Includes persons who never attended school and those for whom attendance at a secondary school could not be determined therefore the components, 'Attended highest level of secondary school available' and 'Did not attend highest level of secondary school available' may not add to the total of this category. (b) Includes persons still attending school.

**TABLE 13. MAIN SURVEY POPULATION TOTALS BY STATES AND TERRITORIES, FEBRUARY 1992**  
(<sup>'000</sup>)

	<i>State of usual residence</i>								<i>Australia</i>
	<i>New South Wales</i>	<i>Victoria</i>	<i>Queensland</i>	<i>South Australia</i>	<i>Western Australia</i>	<i>Tasmania</i>	<i>Northern Territory</i>	<i>Australian Capital Territory</i>	
<i>Main survey populations</i>									
<i>Population 1:</i>									
Persons aged 15 to 69	4,124.9	3,128.4	2,073.2	1,021.3	1,178.3	314.5	107.6	206.8	12,155.2
<i>Population 2:</i>									
Employed persons aged 15 to 69	2,552.6	1,935.0	1,306.1	628.7	743.3	186.9	73.1	145.5	7,571.1
<i>Population 3:</i>									
Unemployed persons aged 15 to 69	310.2	271.0	167.1	90.3	101.8	24.5	7.8	13.3	986.1
<i>Population 4:</i>									
Persons aged 15 to 69 who are not in the labour force	1,262.1	922.5	600.1	302.3	333.2	103.2	26.7	48.0	3,598.0
<i>Population 5:</i>									
Persons aged 15 to 69 who are in the labour force	2,862.8	2,206.0	1,473.2	719.0	845.1	211.3	81.0	158.8	8,557.2
<i>Population 6:</i>									
Persons aged 15 to 69 with a degree qualification	388.3	331.7	153.1	82.3	113.0	23.5	8.4	39.2	1,139.5
<i>Population 7:</i>									
Persons aged 15 to 69 with a trade qualification	538.6	389.2	293.4	143.1	177.3	43.2	15.6	19.8	1,620.2
<i>Population 8:</i>									
Persons aged 15 to 69 with a certificate or diploma qualification	862.5	519.3	364.7	182.7	231.7	51.6	17.0	43.2	2,272.8
<i>Population 9:</i>									
Persons aged 15 to 25	976.0	770.7	526.1	242.0	291.5	77.8	30.3	58.1	2,972.5
<i>Population 10:</i>									
Persons aged 15 to 25 who attended an educational institution in the previous year	545.9	422.6	264.3	124.0	141.9	37.8	14.3	36.8	1,587.5
<i>Population 11:</i>									
Employed persons aged 15 to 69 with a degree qualification	328.0	281.7	121.8	67.7	91.8	18.1	7.7	33.7	950.5
<i>Population 12:</i>									
Employed persons aged 15 to 69 with a trade qualification	421.6	296.1	222.4	104.0	134.8	32.8	13.1	15.9	1,240.8
<i>Population 13:</i>									
Employed persons aged 15 to 69 with a certificate or diploma qualification	614.3	374.7	253.9	126.8	159.9	35.3	13.7	31.6	1,610.2
<i>Population 14:</i>									
Persons aged 15 to 69 with a post-school qualification	1,805.8	1,250.6	819.1	411.1	526.4	119.1	41.3	103.2	5,076.5

## 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 1992 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. For those persons aged 15 to 25, information was also sought on their attendance at an educational institution in the previous calendar year, type of institution attended, student status and whether they attended for the full academic year.

### 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 sanatoriums; 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. This survey will be conducted again in February 1993.

### 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.

### Survey sample redesign

12. 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

13. 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

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

### Related publications

15. 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.

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

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

*Education and Training in Australia* (4224.0) — expected to be released in November 1992.

*Employer Training Expenditure, Australia* (6353.0) — issued irregularly, latest issue: July to September 1990.

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

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

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

16. 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

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

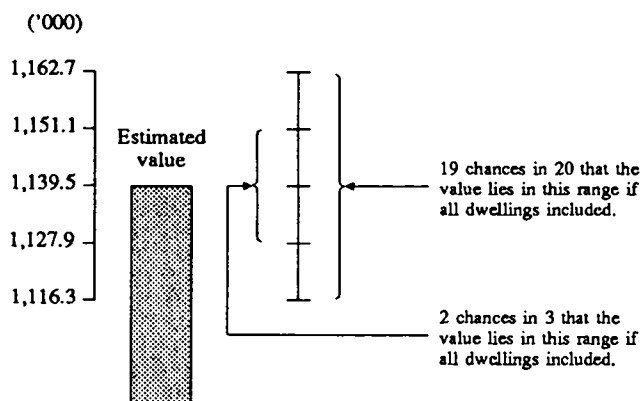
## TECHNICAL NOTE

## 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 chances 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 1 shows the estimated number of persons with a Degree qualification in February 1992 is 1,139,500. Since this estimate is between 1,000,000 and 2,000,000 in the standard error table, the standard error for Australia will be between 11,100 and 14,300 and can be approximated by interpolation as 11,600 (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 1,127,900 to 1,151,100 and about nineteen chances in twenty that the value will fall within the range 1,116,300 to 1,162,700. 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 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 1,139,500 persons with a Degree qualification in February 1992, 1,010,000 or 88.6 per cent participated in the labour force. The standard error of 1,010,000 is approximately 11,100 so the relative standard error is 1.1 per cent. The relative standard error for 1,139,500 is 1.0 per cent. Applying the above formula, the relative standard error of the proportion is  $\sqrt{(1.1)^2 + (1.0)^2}$  or 0.5 per cent, giving a standard error for the proportion (88.6 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 1992 is between 88.2 per cent and 89.0 per cent and nineteen chances in twenty the proportion is within the range 87.8 per cent to 89.4 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

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 non-vocational 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.

*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

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

VARIABLE	POPULATIONS	VARIABLE	POPULATIONS
1 STATE OF USUAL RESIDENCE	All	9 AGE	All
Australia		15-19	
New South Wales		20-24	
Victoria		25-34	
Queensland		35-44	
South Australia		45-54	
Western Australia		55-59	
Tasmania		60-64	
Northern Territory		65-69	
Australian Capital Territory			
		N.B. Other age groupings are available	
2 AREA OF USUAL RESIDENCE	All	10 LABOUR FORCE STATUS	1,6-10,14
Metropolitan		Labour force	
Non-metropolitan		Employed	
		Unemployed	
3 DISSEMINATION REGION	All	Not in labour force	
Standard labour force dissemination regions			
4 SEX	All	Unemployment rate	
Males		Participation rate	
Females			
5 MARITAL STATUS	All	11 STATUS OF WORKER	2,11-13
Married		Wage and salary earners	
Not-married		Other	
6 FAMILY STATUS	All	12 FULL-TIME / PART-TIME STATUS (ALL JOBS)	2,11-13
Member of a family		Full-time workers	
Husband or wife		Part-time workers	
With dependants present			
Without dependants present		13 OCCUPATION	2,11-13
Sole parent		Managers and administrators	
Other family head		Professionals	
Full-time student aged 15-24 (a)		Para-professionals	
Other child of family head		Tradespersons	
Other relative of family head		Clerks	
Not a member of a family		Salespersons and personal service workers	
Living alone		Plant and machine operators, and drivers	
Not living alone		Labourers and related workers	
Family status not determined			
(a) Excludes persons aged 21 to 24 attending school		14 INDUSTRY	2,11-13
7 BIRTHPLACE	All	Agriculture, forestry, fishing and hunting	
Born in Australia		Mining	
Born outside Australia		Manufacturing	
Born in main English-speaking countries(a)		Electricity, gas and water	
Born in other countries		Construction	
Not asked (boarding school pupils)		Wholesale and retail trade	
(a) Comprises United Kingdom and Ireland, New Zealand, Canada, U.S.A. and South Africa.		Transport and storage	
N.B. More detailed country groupings available.		Communication	
		Finance, property and business services	
		Community services	
		Recreation, personal and other services	
8 PERIOD OF ARRIVAL	All		
Born in Australia			
Born outside Australia			
Arrived before 1961			
Arrived 1961-1970			
Arrived 1971-1980			
Arrived 1981-1990			
Arrived 1991-1992			
Not asked (Boarding school pupils)			

VARIABLE	POPULATIONS	VARIABLE	POPULATIONS
<b>15 EDUCATIONAL ATTAINMENT 1-5,9-10</b> With post-school qualifications Degree Trade qualification or apprenticeship Certificate or diploma Other Without post-school qualifications Attended highest level of secondary school available Did not attend highest level of secondary school available 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>19 TYPE OF INSTITUTION ATTENDED LAST YEAR 10</b> Secondary school Higher Education institution TAFE Other	
<b>16 MAIN FIELD OF STUDY - DEGREE 6,11</b> Administration, business studies, commerce Law Education Medicine Science, mathematics, computing Veterinary science, agriculture, forestry Engineering Architecture Social sciences, arts, humanities Other		<b>20 WHETHER ATTENDED FULL-YEAR OR PART-YEAR 10</b> Attended full-year Attended part of year	
<b>17 MAIN FIELD OF STUDY - TRADE QUALS / APPRENTICESHIP 7,12</b> Metal Service Building Electrical Food and drink Wood and furniture Printing and allied Automotive, mechanical Footwear, clothing, textile Other		<b>21 STUDENT STATUS LAST YEAR 10</b> Full-time Part-time	
<b>18 MAIN FIELD OF STUDY - CERTIFICATE OR DIPLOMA 8,13</b> Business, administration, commerce Secretarial, typing, data processing Education, teacher training Nursing Other health, para-medical Science, computing, agriculture Engineering, architecture Transport, communication Arts, social studies, crafts Other		<b>22 DURATION OF CURRENT PERIOD OF UNEMPLOYMENT 3</b> 1 and under 4 weeks 4 and under 8 weeks 8 and under 13 weeks 13 and under 26 weeks 26 and under 52 weeks 52 and under 104 weeks 104 weeks and over	
		<b>23 COUNTRY OBTAINED HIGHEST POST-SCHOOL QUALIFICATION 6-8,11-14</b> In Australia Outside Australia Main English-speaking countries(a) Other countries	
		(a) Comprises United Kingdom and Ireland, New Zealand, Canada, U.S.A. and South Africa.	
		<b>24 YEAR OBTAINED HIGHEST POST-SCHOOL QUALIFICATION 6-8,11-14</b> Before 1950 1950 - 1960 1961 - 1970 1971 - 1980 1981 - 1985 1986 - 1990 1991 - 1992	

## SPECIAL DATA REQUESTS

### LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT, AUSTRALIA, FEBRUARY 1992

Please specify your special data request(s) on the order form (or on a photocopy of the 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 **SPECIAL DATA REQUEST ORDER FORM** together with the address advice to —

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

or  
Facsimile No. (06) 251 5486

4. The invoiced cost is payable in full within 28 days of receipt of the data.
5. Any inquiries about this order should be directed to Ms Nicolle Witmann on (06) 252 6578.

# SPECIAL DATA REQUEST ORDER FORM

Labour Force Status and Educational Attainment, February 1992

[illegible]

**ADDRESS ADVICE — PLEASE FORWARD MY ORDER AND INVOICE TO:**

NAME \_\_\_\_\_

## ORGANISATION

ADDRESS \_\_\_\_\_

POSTCODE \_\_\_\_\_

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

Signature \_\_\_\_\_

Date    /    /

## ***TRANSITION FROM EDUCATION TO WORK, AUSTRALIA, MAY 1991***

This annual publication, released on 10th December 1991, 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 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 order your copy of *Transition from Education to Work, Australia, May 1991* (6227.0), priced at \$12.50, contact an ABS Bookshop in your State.

## ***PARTICIPATION IN EDUCATION, AUSTRALIA, (Formerly Labour Force Status and Educational Attendance, Australia), SEPTEMBER 1991***

This annual publication, released on 31st March 1992, provides current information from a household based survey on the level of educational attainment of the Australian population aged 15 to 24. It also monitors trends in education by providing information on the main field of study and time series data by age and labour force status.

The publication features information on:

- socio-demographic characteristics such as state, age, family status, labour force status and education attainment for the whole population
- summaries of the characteristics of sub-groups of the population such as employed and unemployed persons, persons with tertiary qualifications and persons who were attending an educational institution in the previous year
- time series of educational attainment by age, labour force status and duration of unemployment
- a selection of the findings from the survey
- a glossary and technical note to help explain the concepts and methodologies used.

The publication 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.

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## ***SCHOOLS, AUSTRALIA, 1991***

This annual publication, released on 26th May 1992, 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 features information on:

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

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To order your copy of *Schools, Australia, 1991* (4221.0), priced at \$20.00, contact an ABS Bookshop in your State.

## ***EMPLOYER TRAINING EXPENDITURE, AUSTRALIA, JULY TO SEPTEMBER 1990***

This publication was released on 22 May 1991. It shows that in the September quarter 1990, Australian employers spent the equivalent of 2.6% of gross wages and salaries on the formal training of their employees.

The publication features detailed statistics on:

- training expenditure for 34 industries, three employer sizes, two payroll sizes and sector
- the time employees spent receiving formal training for 10 separate fields of in-house and external training
- costs of training such as wages and salaries of trainers and trainees, fees paid to consultants and training institutions
- other training costs such as expenditure on materials, equipment, travel, accommodation, training rooms and contributions to training institutions.

Extensive unpublished statistics on training expenditure are also available and the publication contains lists of data items that may be used to order specialised tables to suit individual requirements.

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