



LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT, AUSTRALIA, FEBRUARY 1983

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EXPLANATORY NOTES

Introduction

In association with the February 1983 labour force survey conducted throughout Australia, persons aged fifteen years and over were asked about their highest educational qualification. For persons with post-school qualifications, the information sought included field of study, and for those who did not complete their schooling, it included the age at which they left school.

2. During the two weeks beginning Monday 7 February, 1983, specially trained interviewers asked the questions of a sub-sample of 51,000 of the 71,000 respondents in the February labour force survey.

3. Results of similar surveys, the first conducted in February 1979 have been published in *Labour Force Status and Educational Attainment, Australia* (6235.0).

Scope

4. The survey includes all civilians aged fifteen years and over except:

- (a) certain diplomatic personnel of overseas governments, customarily excluded from census and estimated populations;
- (b) overseas residents in Australia;
- (c) dependants of non-Australian defence forces personnel stationed in Australia;
- (d) students boarding at school, some patients in hospitals and sanatoria and inmates of jails, reformatories etc.

Definitions

5. Definitions of the principal labour force categories appearing in this publication are given in *The Labour Force, Australia* (6203.0), but it should be noted that there are slight differences in the estimates for labour force categories shown in these publications. This is due to the different sizes of the samples used and the inability to obtain from a small number of persons the additional information required for the educational qualifications survey. Although the estimation procedures take account of these factors, estimates for some characteristics will be affected.

6. *Persons with a post-school qualification* are those who have left school and answer 'Yes' to the question: 'Since leaving school have you obtained a certificate, diploma, degree or any other qualification?'

7. *Classification of post-school qualifications*. Respondents indicate which one of the following groups best describes their highest qualification:

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

(b) *Trade, technical*: completion of an approved trade/technician apprenticeship or training course, other certificate or diploma in secretarial or business studies, administration, teaching, nursing, etc.;

(c) *Other*: completion of other post-secondary education e.g. adult education, preparatory bridging course or hobby course.

8. *Classification of field of study*. Respondents with a degree, trade or technical qualification (i.e. (a) or (b) in paragraph 7) indicate the field of study for their highest qualification (See Tables 4 and 5).

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

10. *Still at school*. Current school attendance is recorded only for persons aged fifteen to twenty years.

Comparability of the estimates

11. Educational attainment of persons not in the labour force is not available for the February 1979, 1980 and 1981 surveys which only covered persons in the labour force.

12. Estimates in this series are not strictly comparable with those from the population censuses due to differences in questions and coding methodology.

Reliability of the estimates

13. Estimates in this publication are subject to two sources of error:

- (a) *sampling error*: since the estimates are based on information obtained from occupants of a sample of dwellings, they may differ from the figures that would have been produced if all dwellings had been included in the survey. More information on this topic is given in the Technical note.
- (b) *non-sampling error*: inaccuracies may occur because of imperfections in reporting by interviewers and respondents and errors made in the coding and processing of data. These inaccuracies 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.

Related publications

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

The Labour Force, Australia (6203.0)—issued monthly

Transition from Education to Work, Australia, May 1982(6227.0)

15. Current publications produced by the ABS are listed in the *Catalogue of Publications, 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 paragraph 13 above.
- n.e.c. not elsewhere classified
- .. not applicable

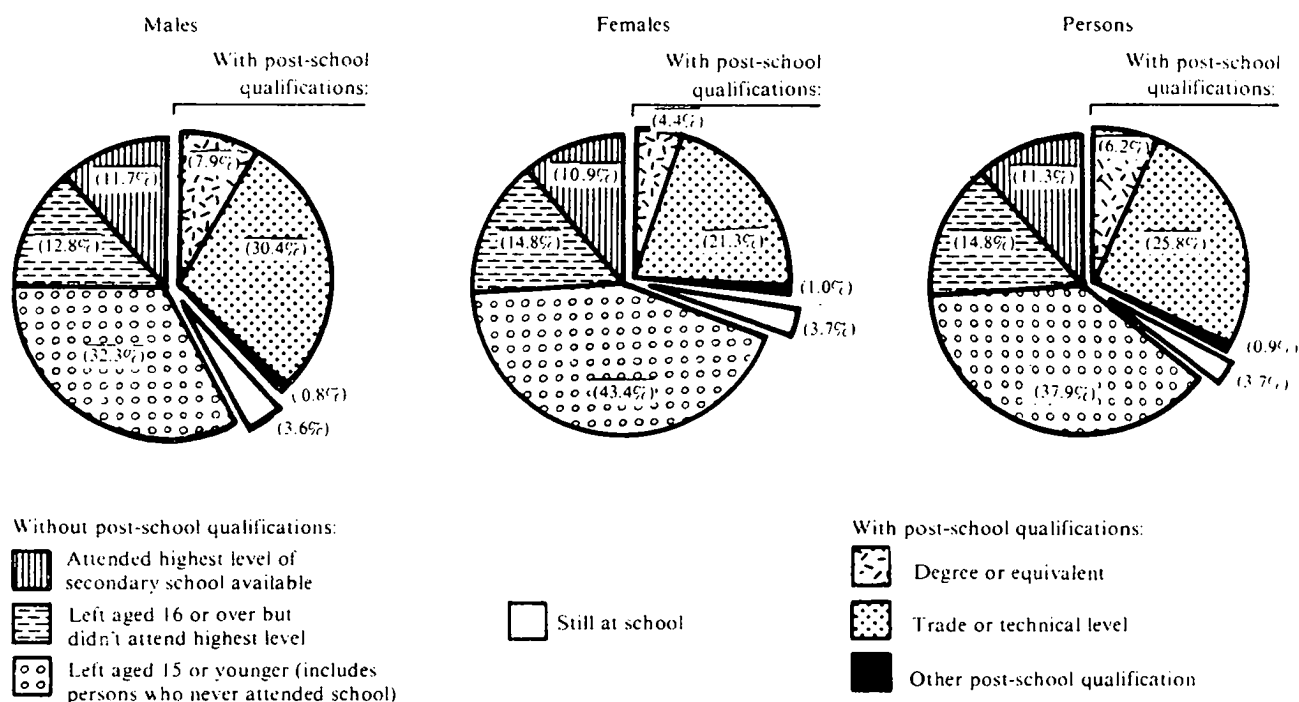
16. Because figures have been rounded, discrepancies may occur between sums of the component items and totals.

R. J. CAMERON
Australian Statistician

SUMMARY OF FINDINGS

Of the civilian population 15 years and over, 32.9 per cent (3,702,900 persons) have a post-school qualification including 693,000 with a degree or equivalent and 2,909,800 with a trade or technical level qualification. Of the 7,147,000 persons over the age of 15 who do not have a post-school qualification, 5,821,300 have not attended the highest level of secondary school. A total of 4,264,900 persons, 37.9 per cent of the population, did not attend school beyond 15 years of age. The level of education amongst males is higher than amongst females with 39.2 per cent of males possessing post-school qualifications compared with only 26.7 per cent of females. Females have also been less likely to finish school than males — 58.2 per cent of females have not attended the highest level of secondary school available compared with 45.1 per cent for males. Since the first survey in February 1979, the proportion of employed persons with a post-school qualification has increased from 37.2 per cent to 42.4 per cent, while the proportion of employed persons who left school at age 15 or younger has decreased from 35.1 per cent to 29.0 per cent.

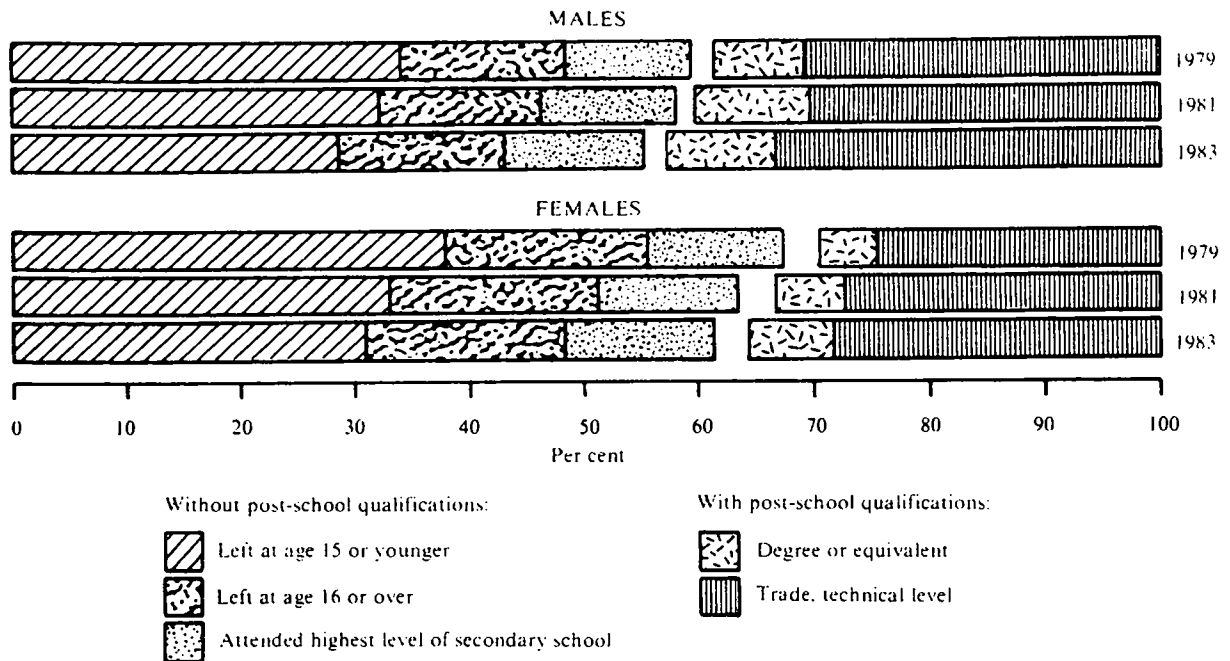
DIAGRAM 1. EDUCATIONAL ATTAINMENT OF THE POPULATION AGED 15 AND OVER
(Source of data: Table 2)



Educational Attainment of the Labour Force

For persons in the labour force, the proportion of persons with post-school qualifications has risen from 36.1 per cent in 1979 to 40.9 per cent in 1983, while the proportion in the labour force who left at age 15 or younger has fallen from 35.1 per cent to 29.0 per cent. While this rise in the level of educational attainment occurred for both males and females, females in the labour force with post-school qualifications increased at a greater rate than males. In February 1979, 30.5 per cent (717,400) of the female labour force had a post-school qualification but by February 1983 this had risen to 36.6 per cent (952,000 females), a gain of 6.1 percentage points. For males the corresponding figures are 39.3 per cent (1,629,000) in February 1979 rising by 4.2 percentage points to 43.5 per cent (1,914,200) of the male labour force at February 1983.

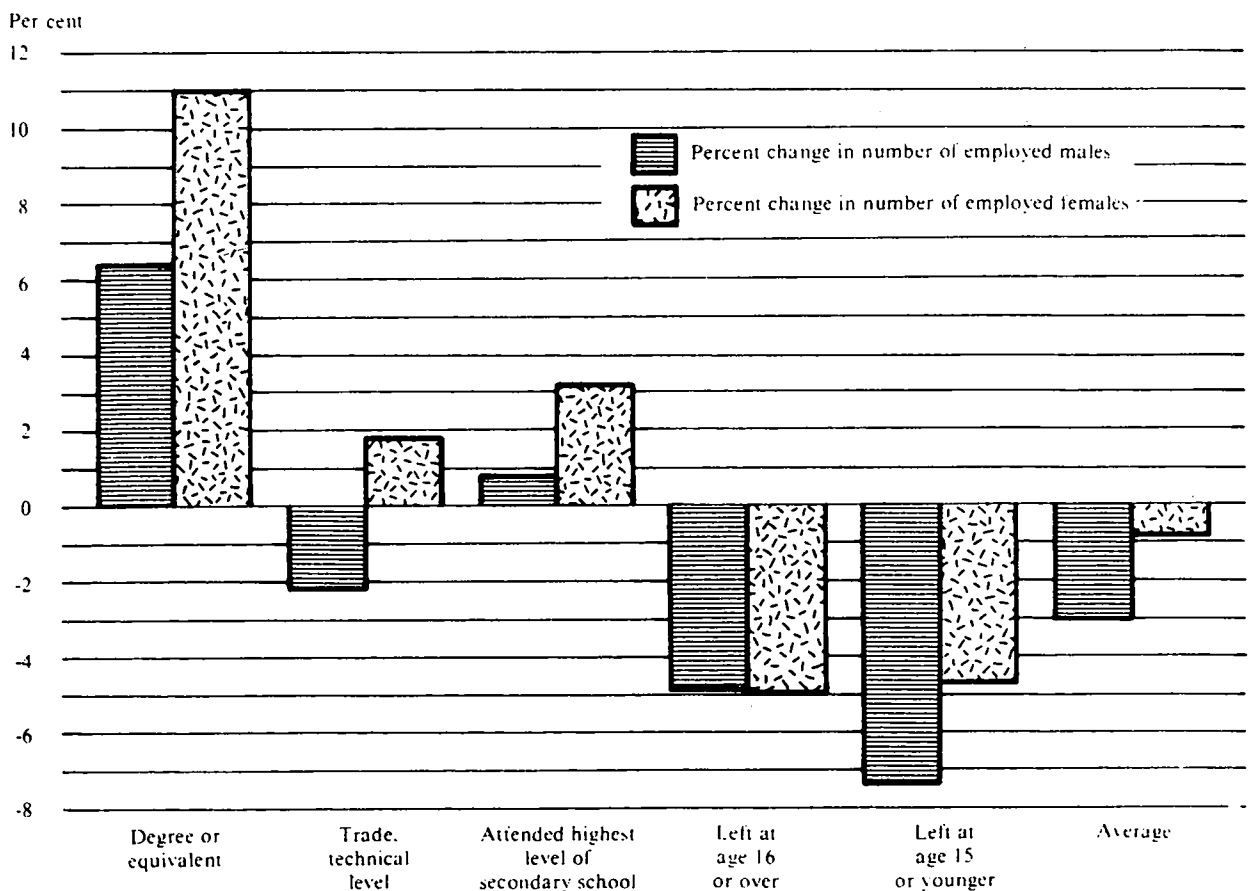
DIAGRAM 2. EDUCATIONAL ATTAINMENT OF THE LABOUR FORCE
(Source of data: Table 15)



Employed Persons : Movement February 1982 to February 1983

For different levels of educational attainment, the percentage change between February 1982 and February 1983 in the number of employed males and females generally conforms to the pattern of increasing numbers of employed persons with higher levels of educational attainment and decreasing numbers with lower levels of educational attainment. The exception to this pattern occurs for males with a trade, technical level qualification. The number of employed males in this group dropped by 2.2 per cent, from 1,399,200 in February 1982 to 1,368,600 in February 1983.

DIAGRAM 3. EMPLOYED PERSONS : MOVEMENT, FEBRUARY 1982 TO FEBRUARY 1983
BY EDUCATIONAL ATTAINMENT
(Source of data: Table 15)

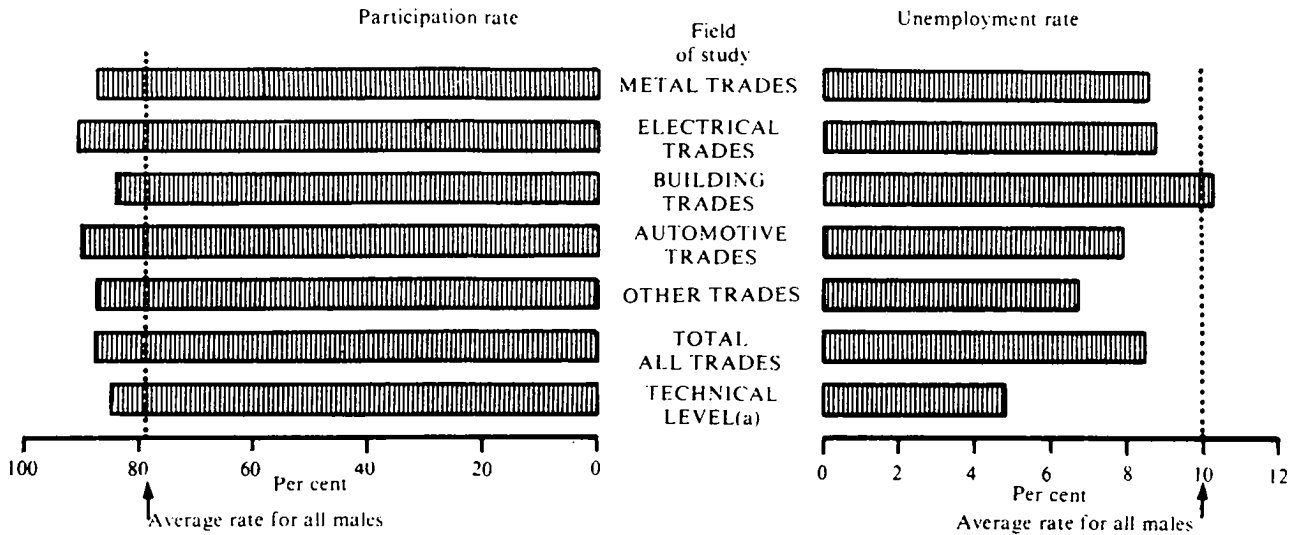


Males with trade, technical level qualifications

Participation rates for males with trade, technical qualifications were higher than the average for all males, especially in the fields of study covering the electrical trades (90.8 per cent participation) and the automotive trades (89.7 per cent participation).

Even though males whose field of study covered a trade had higher unemployment rates than males with technical level qualifications, males in this group had unemployment rates generally below the average unemployment rate for all males (10.0 per cent).

DIAGRAM 4. MALES WITH TRADE, TECHNICAL LEVEL QUALIFICATIONS: PARTICIPATION AND UNEMPLOYMENT RATES BY FIELD OF STUDY, FEBRUARY 1983
(Source of data: Table 5)



(a) Includes all other fields listed in Table 5.

Unemployment Rates 1979 to 1983

The relationship between unemployment and educational attainment has remained much the same over the period February 1979 to February, 1983. The average unemployment rate for Australia increased substantially from 7.0 per cent in 1982 to 10.7 per cent in 1983 and the unemployment rates for people with different levels of educational attainment have been similarly affected.

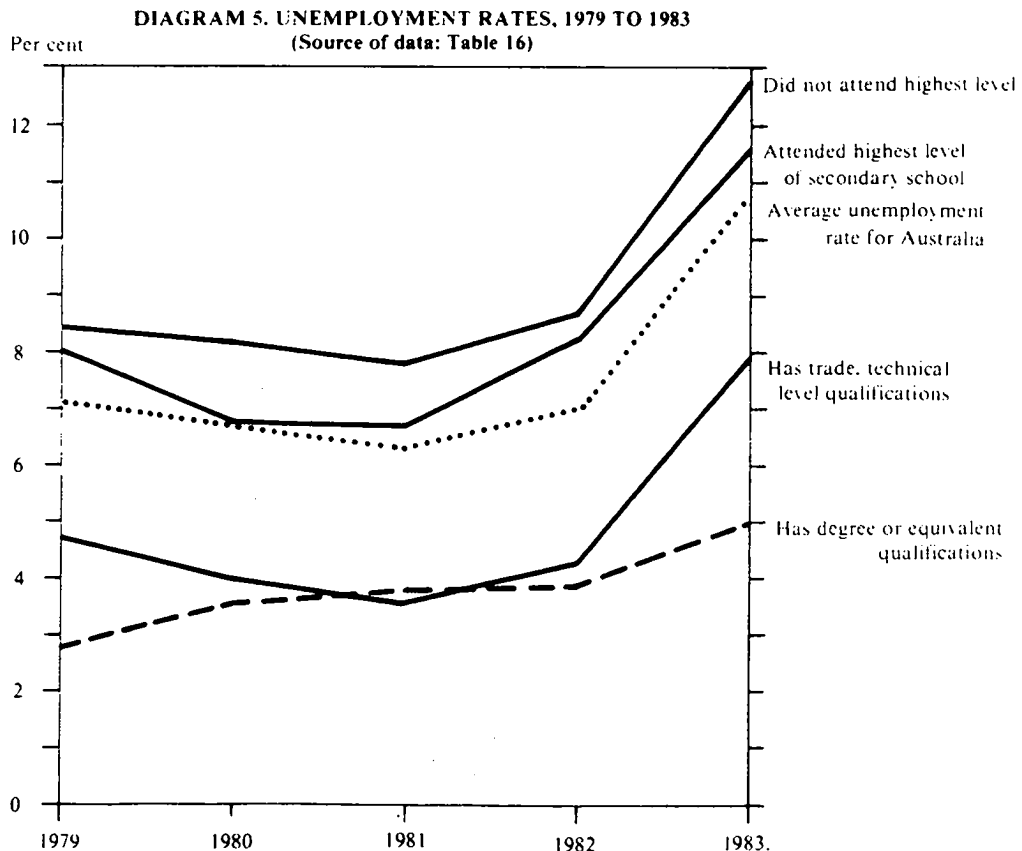


TABLE 1. CIVILIAN POPULATION AGED 15 AND OVER(a) : EDUCATIONAL ATTAINMENT AND LABOUR FORCE STATUS, FEBRUARY 1983

Educational attainment	Number('000)					Partic- ipation rate	Unem- ployment rate
	Employed	Unem- ployed	In the labour force	Not in the labour force	Total		
MALES							
With post-school qualifications	1,789.6	124.6	1,914.2	275.0	2,189.2	87.4	6.5
Degree or equivalent	386.9	14.5	401.4	42.4	443.7	90.5	3.6
Trade, technical level	1,368.6	106.5	1,475.1	226.4	1,701.4	86.7	7.2
Other	34.2	*	37.8	6.2	44.0	85.9	*
Without post-school qualifications	2,144.1	303.6	2,447.7	748.0	3,195.7	76.6	12.4
Attended highest level of secondary school available	487.0	59.0	546.1	109.3	655.4	83.3	10.8
Did not attend highest level of secondary school available	1,651.3	243.0	1,894.3	625.5	2,519.8	75.2	12.8
Left at age—							
18 years or over	23.7	5.2	28.8	5.6	34.5	83.7	17.9
16 or 17 years	518.7	86.7	605.4	75.2	680.6	89.0	14.3
14 or 15 years	919.6	132.3	1,052.0	393.1	1,445.0	72.8	12.6
13 years or under	189.2	18.9	208.1	151.6	359.7	57.9	9.1
Never attended school	5.7	*	7.3	13.2	20.5	35.5	*
Still at school	25.5	12.6	38.1	164.7	202.8	18.8	33.0
Total	3,959.2	440.8	4,400.0	1,187.7	5,587.7	78.7	10.0
FEMALES							
With post-school qualifications	864.6	87.4	952.0	561.7	1,513.7	62.9	9.2
Degree or equivalent	170.8	15.0	185.7	63.5	249.2	74.5	8.0
Trade, technical level	667.5	68.9	736.5	471.9	1,208.3	60.9	9.4
Other	26.3	*	29.8	26.4	56.2	53.1	*
Without post-school qualifications	1,393.4	206.0	1,599.4	2,351.9	3,951.3	40.5	12.9
Attended highest level of secondary school available	292.7	43.3	336.1	280.8	616.9	54.5	12.9
Did not attend highest level of secondary school available	1,096.8	161.5	1,258.3	2,043.2	3,301.5	38.1	12.8
Left at age—							
18 years or over	15.4	*	19.1	15.4	34.5	55.3	*
16 or 17 years	374.2	63.0	437.2	369.6	806.8	54.2	14.4
14 or 15 years	627.9	85.0	712.8	1,352.2	2,065.1	34.5	11.9
13 years or under	79.3	9.9	89.2	306.0	395.2	22.6	11.1
Never attended school	*	*	5.0	27.9	32.9	15.3	*
Still at school	37.8	12.5	50.3	160.4	210.7	23.9	24.8
Total	2,295.8	305.9	2,601.7	3,073.9	5,675.7	45.8	11.8
PERSONS							
With post-school qualifications	2,654.2	212.0	2,866.3	836.7	3,702.9	77.4	7.4
Degree or equivalent	557.6	29.5	587.1	105.8	693.0	84.7	5.0
Trade, technical level	2,036.1	175.4	2,211.5	698.2	2,909.8	76.0	7.9
Other	60.5	7.1	67.6	32.6	100.2	67.5	10.5
Without post-school qualifications	3,537.4	509.7	4,047.1	3,099.9	7,147.0	56.6	12.6
Attended highest level of secondary school available	779.8	102.4	882.2	390.1	1,272.3	69.3	11.6
Did not attend highest level of secondary school available	2,748.1	404.5	3,152.6	2,668.7	5,821.3	54.2	12.8
Left at age—							
18 years or over	39.1	8.8	47.9	21.0	68.9	69.5	18.4
16 or 17 years	893.0	149.7	1,042.6	444.8	1,487.4	70.1	14.4
14 or 15 years	1,547.5	217.3	1,764.8	1,745.3	3,510.1	50.3	12.3
13 years or under	268.6	28.7	297.3	457.5	754.8	39.4	9.7
Never attended school	9.5	*	12.3	41.1	53.4	23.1	*
Still at school	63.3	25.1	88.4	325.1	413.5	21.4	28.4
Total	6,255.0	746.7	7,001.7	4,261.6	11,263.4	62.2	10.7

(a) Excludes persons in institutions.

TABLE 2. CIVILIAN POPULATION AGED 15 AND OVER(a): EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1983

Educational attainment	Age group (years)						Total	per cent
	15-19	20-24	25-34	35-44	45-54	55 and over		
	— '000—							
MALES								
With post-school qualifications	27.9	247.2	625.7	545.4	325.3	417.6	2,189.2	39.2
Degree or equivalent	*	41.7	158.0	117.7	55.9	70.5	443.7	7.9
Trade, technical level	22.8	200.2	455.8	418.8	263.1	340.8	1,701.4	30.4
Other	5.1	5.3	12.0	9.0	6.3	6.3	44.0	0.8
Without post-school qualifications	408.8	414.4	580.5	498.2	427.2	866.6	3,195.7	57.2
Attended highest level of secondary school available	115.0	163.2	155.1	85.8	50.9	85.3	655.4	11.7
Did not attend highest level of secondary school available	293.8	251.2	423.8	409.7	371.2	770.0	2,519.8	45.1
Left at age—								
18 years or over	*	6.4	11.6	4.9	*	5.7	34.5	0.6
16 or 17 years	162.4	137.8	167.8	89.3	48.0	75.3	680.6	12.2
14 or 15 years	126.7	102.5	225.1	257.7	246.0	487.0	1,445.0	25.9
13 years or under	*	4.6	19.3	57.8	74.4	202.1	359.7	6.4
Never attended school	*	*	*	*	5.1	11.3	20.5	0.4
Still at school(b)	202.5	*	..	..	..	..	202.8	3.6
Total	639.2	661.9	1,206.3	1,043.6	752.5	1,284.3	5,587.7	100.0
FEMALES								
With post-school qualifications	63.5	231.1	474.8	336.0	173.8	234.5	1,513.7	26.7
Degree or equivalent	*	36.6	105.7	60.1	22.2	24.3	249.2	4.4
Trade, technical level	59.0	187.6	358.2	260.6	143.2	199.7	1,208.3	21.3
Other	*	6.9	10.9	15.3	8.4	10.5	56.2	1.0
Without post-school qualifications	340.1	416.8	743.3	673.2	541.5	1,236.4	3,951.3	69.6
Attended highest level of secondary school available	114.9	131.1	132.5	76.2	50.0	112.2	616.9	10.9
Did not attend highest level of secondary school available	225.0	285.7	608.7	593.7	483.0	1,105.2	3,301.5	58.2
Left at age—								
18 years or over	*	8.0	10.4	4.8	*	5.3	34.5	0.6
16 or 17 years	117.1	144.9	230.4	126.6	74.9	112.9	806.8	14.2
14 or 15 years	103.4	129.3	336.3	391.0	329.5	775.6	2,065.1	36.4
13 years or under	*	*	31.6	71.4	75.7	211.5	395.2	7.0
Never attended school	*	*	5.3	8.4	8.4	19.0	32.9	0.6
Still at school(b)	210.1	*	..	..	..	..	210.7	3.7
Total	613.7	648.6	1,218.1	1,009.2	715.2	1,470.9	5,675.7	100.0
PERSONS								
With post-school qualifications	91.4	478.3	1,100.6	881.4	499.1	652.1	3,702.9	32.9
Degree or equivalent	*	78.3	263.6	177.7	78.1	94.8	693.0	6.2
Trade, technical level	81.8	387.8	814.0	679.4	406.3	540.5	2,909.8	25.8
Other	9.3	12.2	22.9	24.3	14.7	16.8	100.2	0.9
Without post-school qualifications	748.9	831.2	1,323.8	1,171.4	968.6	2,103.0	7,147.0	63.5
Attended highest level of secondary school available	229.9	294.3	287.6	162.1	100.9	197.5	1,272.3	11.3
Did not attend highest level of secondary school available	518.9	536.9	1,032.6	1,003.5	854.3	1,875.2	5,821.3	51.7
Left at age—								
18 years or over	6.4	14.3	22.0	9.6	5.7	10.9	68.9	0.6
16 or 17 years	279.5	282.7	398.2	215.9	122.9	188.2	1,487.4	13.2
14 or 15 years	230.0	231.7	561.5	648.7	575.6	1,262.6	3,510.1	31.2
13 years or under	*	8.2	50.9	129.2	150.1	413.5	754.8	6.7
Never attended school	*	*	*	5.9	13.5	30.3	53.4	0.5
Still at school(b)	412.6	*	..	..	..	..	413.5	3.7
Total	1,253.0	1,310.4	2,424.3	2,052.8	1,467.7	2,755.2	11,263.4	100.0

(a) Excludes persons in institutions. (b) Aged 15 to 20 years only. See Explanatory notes, paragraph 10.

TABLE 3. CIVILIAN POPULATION AGED 15 AND OVER(a) : EDUCATIONAL ATTAINMENT, LABOUR FORCE STATUS, STATES AND TERRITORIES, FEBRUARY 1983
(' 000)

	With post-school qualifications			Attended highest secondary level	Without post-school qualifications		Total (c)	Total (d)
	Degree or equivalent	Trade, technical level	Total (b)		Did not attend highest level of secondary school and left at age (years)			
					16 or over	15 or under		
EMPLOYED								
New South Wales	193.5	762.7	972.7	259.5	327.5	599.4	1,188.8	2,177.8
Victoria	163.6	496.4	671.7	212.1	306.8	463.0	984.7	1,676.2
Queensland	66.3	307.5	384.2	105.4	112.7	342.1	562.4	955.6
South Australia	45.7	174.8	232.1	66.7	86.9	157.5	311.7	550.1
Western Australia	45.2	195.1	246.2	74.4	58.1	178.7	312.6	565.5
Tasmania	12.2	47.3	61.0	36.3	19.0	48.3	103.7	166.0
Northern Territory	6.9	18.1	26.1	8.2	9.4	14.0	31.7	59.1
Australian Capital Territory	24.2	34.3	60.2	17.0	11.7	13.2	41.9	104.8
Australia	557.6	2,036.1	2,654.2	779.8	932.0	1,816.1	3,537.4	6,255.0
UNEMPLOYED								
New South Wales	14.1	67.9	83.8	35.3	65.2	85.7	187.4	278.4
Victoria	6.9	30.2	39.3	24.4	41.7	61.4	127.7	173.1
Queensland	•	33.8	36.6	14.7	18.5	48.2	82.5	124.1
South Australia	•	16.6	19.9	9.3	16.1	21.0	46.3	68.9
Western Australia	3.4	17.5	21.4	10.9	10.1	20.0	41.3	65.9
Tasmania	•	4.4	4.8	5.3	3.7	7.9	16.9	21.9
Northern Territory	•	•	•	•	•	•	•	4.4
Australian Capital Territory	•	3.2	4.0	2.3	3.1	•	5.4	10.1
Australia	29.5	175.4	212.0	102.4	158.5	246.0	509.7	746.7
LABOUR FORCE								
New South Wales	207.5	830.5	1,056.5	294.8	392.8	685.1	1,376.2	2,456.1
Victoria	170.5	526.6	711.0	236.5	348.5	524.4	1,112.4	1,849.2
Queensland	68.4	341.3	420.9	120.2	131.1	390.2	644.9	1,079.6
South Australia	47.5	191.4	251.9	76.0	102.9	178.5	358.0	619.1
Western Australia	48.6	212.6	267.7	85.3	68.2	198.7	353.9	631.5
Tasmania	12.6	51.8	65.8	41.7	22.6	56.1	120.6	187.9
Northern Territory	7.2	19.9	28.3	8.4	10.8	14.6	33.9	63.5
Australian Capital Territory	24.7	37.4	64.2	19.3	13.6	14.4	47.3	114.8
Australia	587.1	2,211.5	2,866.3	882.2	1,090.5	2,062.1	4,047.1	7,001.7
NOT IN THE LABOUR FORCE								
New South Wales	33.1	268.9	312.9	119.5	171.4	777.9	1,084.5	1,502.6
Victoria	29.8	168.0	203.5	108.0	130.3	557.4	808.2	1,124.8
Queensland	15.0	107.0	128.1	60.8	71.3	400.1	537.9	706.0
South Australia	10.2	56.6	72.3	37.6	45.9	200.7	287.3	384.6
Western Australia	11.0	65.9	79.8	36.7	27.7	172.6	240.1	340.0
Tasmania	3.4	17.0	21.1	17.4	9.5	72.0	99.6	130.7
Northern Territory	•	3.9	5.1	2.8	3.5	9.5	16.1	25.9
Australian Capital Territory	2.4	11.0	13.9	7.3	6.2	12.6	26.2	47.0
Australia	105.8	698.2	836.7	390.1	465.8	2,202.8	3,099.9	4,261.6
TOTAL								
New South Wales	240.6	1,099.4	1,369.4	414.3	564.2	1,463.0	2,460.7	3,958.7
Victoria	200.3	694.6	914.5	344.4	478.8	1,081.8	1,920.5	2,974.0
Queensland	83.4	448.3	548.9	181.0	202.4	790.3	1,182.8	1,785.6
South Australia	57.7	248.0	324.2	113.6	148.8	379.2	645.3	1,003.7
Western Australia	59.6	278.5	347.4	122.1	95.9	371.4	594.0	971.5
Tasmania	16.0	68.7	86.9	59.0	32.1	128.1	220.1	318.6
Northern Territory	8.2	23.8	33.4	11.2	14.4	24.1	50.0	89.4
Australian Capital Territory	27.1	48.4	78.1	26.6	19.8	27.0	73.5	161.8
Australia	693.0	2,909.8	3,702.9	1,272.3	1,556.3	4,265.0	7,147.0	11,263.4

(a) Excludes persons in institutions. (b) Includes persons with other post-school qualifications. (c) Includes persons who never attended school. (d) Includes persons aged 15 to 20 years still at school.

TABLE 4. CIVILIAN POPULATION AGED 15 AND OVER WITH A DEGREE OR EQUIVALENT LEVEL
QUALIFICATION: MAIN FIELD OF STUDY, AGE AND LABOUR FORCE STATUS, FEBRUARY 1983.

Main field of study	Age group (years)				In the labour force		Not in the labour force	Total	Participation rate per cent
	15-24	25-44	45-54	55 and over	Employed	Total			
	— '000—								
MALES									
Administration etc.(a)	9.8	54.3	11.7	14.9	77.6	81.9	8.7	90.7	90.4
Law	*	18.0	*	5.2	25.8	26.7	*	29.6	90.3
Education, teaching	*	28.3	6.9	5.6	38.4	39.2	*	43.1	90.9
Medicine(b)	*	28.4	8.1	13.1	48.7	48.7	*	52.5	92.8
Science(c)	13.5	53.5	8.8	9.0	73.6	76.6	8.2	84.9	90.3
Engineering(d)	*	48.2	8.9	13.1	66.6	68.1	6.0	74.1	91.9
Architecture	*	5.6	*	*	7.2	7.2	*	8.8	81.3
Humanities(e)	5.1	36.2	6.6	6.9	45.0	48.8	6.0	54.8	89.1
Other	*	*	*	*	*	*	*	5.3	*
Total	41.7	275.6	55.9	70.5	386.9	401.4	42.4	443.7	90.5
FEMALES									
Administration etc.(a)	5.8	14.9	*	*	17.0	18.8	4.5	23.3	80.6
Law	5.1	*	*	*	*	*	*	5.7	*
Education, teaching	10.7	54.3	6.2	5.5	54.6	58.9	17.8	76.7	76.8
Medicine(b)	4.7	20.0	*	4.5	24.3	25.8	6.9	32.7	78.9
Science(c)	4.8	20.0	4.7	*	20.7	22.0	7.4	29.5	74.8
Engineering(d)	*	*	*	*	*	*	*	*	*
Architecture	*	*	*	*	*	*	*	*	*
Humanities(e)	9.1	47.3	8.0	9.3	46.5	51.6	22.0	73.6	70.1
Other	*	*	*	*	*	*	*	*	*
Total	36.9	165.8	22.2	24.3	170.8	185.7	63.5	249.2	74.5
PERSONS									
Administration etc.(a)	15.5	69.2	12.9	16.3	94.6	100.7	13.3	114.0	88.3
Law	*	22.2	*	5.4	29.8	30.6	4.6	35.2	86.9
Education, teaching	13.0	82.6	13.1	11.1	93.0	98.0	21.8	119.8	81.8
Medicine(b)	7.5	48.4	11.7	17.7	73.0	74.6	10.7	85.2	87.5
Science(c)	18.3	73.4	11.4	11.2	94.4	98.7	15.7	114.3	86.3
Engineering(d)	*	50.2	8.9	13.6	67.6	69.7	7.1	76.8	90.7
Architecture	*	7.3	*	*	8.4	8.7	*	11.0	79.2
Humanities(e)	14.1	83.6	14.6	16.2	91.5	100.5	28.0	128.4	78.2
Other	*	4.5	*	*	5.4	5.7	*	8.1	69.9
Total	78.6	441.4	78.1	94.8	557.6	587.1	105.8	693.0	84.7

(a) Administration, business studies, commerce, economics, accounting, secretarial studies, etc. (b) Includes dentistry, pharmacy, nursing. (c) Includes mathematics, computing, veterinary and agricultural science, statistics, computer programming, chemistry, physics, etc. (d) Includes telecommunication, transport, surveying. (e) Includes languages, history, politics, philosophy, psychology, social welfare, religion, geography, art, music, etc.

TABLE 5. CIVILIAN POPULATION AGED 15 AND OVER WITH A TRADE OR TECHNICAL LEVEL QUALIFICATION: MAIN FIELD OF STUDY, AGE AND LABOUR FORCE STATUS, FEBRUARY 1983 ('000)

Main field of study	Age group (years)				In the labour force			Not in the labour force	Total
	15-24	25-44	45-54	55 and over	Employed	Unem- ployed	Total		
MALES									
Trades—									
Metal	39.8	132.2	43.4	62.7	221.4	20.6	242.0	36.2	278.2
Electrical	25.1	77.7	19.0	20.7	118.2	11.2	129.4	13.1	142.5
Building	37.1	132.3	47.8	62.3	211.9	24.1	236.0	43.3	279.4
Automotive	31.8	98.9	21.7	24.6	146.4	12.3	158.7	18.2	177.0
Other	35.5	137.2	45.3	51.5	219.1	15.7	234.7	34.8	269.6
Total	169.4	578.4	177.1	221.8	917.0	83.9	1,000.9	145.7	1,146.6
Secretarial, etc.(a)	*	4.9	*	*	9.3	*	9.7	*	12.2
Health, para-medical(b)	*	19.3	5.5	8.3	27.2	*	28.7	6.8	35.5
Engineering(c)	12.1	89.1	28.0	35.7	130.0	6.4	136.5	28.5	165.0
Teaching	4.7	29.1	6.9	9.2	41.6	*	43.0	6.9	49.9
Administration, law(d)	7.3	76.2	22.4	36.3	118.8	*	121.7	20.5	142.2
Science, humanities(e)	12.5	32.4	6.5	9.6	52.6	*	56.6	*	61.0
Other	12.5	45.0	15.2	16.3	72.0	6.0	78.0	11.1	89.1
Total	223.0	874.6	263.1	340.8	1,368.6	106.5	1,475.1	226.4	1,701.4
FEMALES									
Trades	22.7	48.7	15.9	20.4	52.2	7.4	59.5	48.2	107.7
Secretarial, etc.(a)	120.2	207.8	44.8	66.0	234.4	29.7	264.1	174.6	438.7
Health, para-medical(b)	46.7	170.2	42.8	54.2	182.9	12.1	195.0	118.9	313.9
Engineering(c)	*	*	*	*	*	*	*	*	6.7
Teaching	22.6	103.5	16.4	27.8	100.0	7.5	107.6	62.8	170.4
Administration, law(d)	5.5	29.4	6.7	9.1	30.2	*	34.1	16.6	50.7
Science, humanities(e)	10.3	28.6	8.4	9.0	29.2	*	32.7	23.7	56.4
Other	17.5	26.7	7.8	11.8	34.7	*	39.1	24.7	63.9
Total	246.6	618.8	143.2	199.7	667.5	68.9	736.5	471.9	1,208.3
PERSONS									
Trades—									
Metal	40.3	132.7	43.7	62.8	222.6	20.6	243.2	36.3	279.5
Electrical	25.3	78.3	19.0	20.7	118.7	11.2	129.9	13.4	143.3
Building	37.2	133.1	47.8	62.4	212.3	24.5	236.9	43.6	280.5
Automotive	32.0	98.9	21.9	24.6	146.7	12.4	159.1	18.2	177.4
Other	57.2	184.0	60.7	71.7	268.9	22.4	291.3	82.3	373.6
Total	192.1	627.1	193.0	242.2	969.2	91.3	1,060.5	193.9	1,254.4
Secretarial, etc.(a)	122.3	212.7	46.3	69.5	243.8	30.0	273.8	177.1	450.9
Health, para-medical(b)	49.0	189.5	48.3	62.6	210.1	13.6	223.7	125.7	349.4
Engineering(c)	13.3	93.0	28.4	37.0	133.9	6.9	140.8	30.9	171.6
Teaching	27.3	132.7	23.3	37.0	141.7	8.9	150.6	69.7	220.3
Administration, law(d)	12.8	105.6	29.1	45.4	148.9	6.9	155.8	37.1	193.0
Science, humanities(e)	22.8	61.1	14.9	18.6	81.9	7.4	89.3	28.0	117.3
Other	30.1	71.8	23.0	28.1	106.7	10.4	117.1	35.8	152.9
Total	469.6	1,493.3	406.3	540.5	2,036.1	175.4	2,211.5	698.2	2,909.8

(a) Typing, secretarial studies, data processing. (b) Includes nursing, health therapy, etc. (c) Includes telecommunication, architecture, surveying, drafting, town planning etc. (d) Includes commerce, business administration, economics, book-keeping, etc. (e) Includes computing, veterinary/agricultural science, chemistry, social studies, social welfare, languages, arts, crafts, music, etc.

TABLE 6. PERSONS IN THE LABOUR FORCE : EDUCATIONAL ATTAINMENT, EMPLOYMENT STATUS AND FULL-TIME OR PART-TIME STATUS, FEBRUARY 1983
(' 000)

Educational attainment	Employed			Unemployed			Total
	Full time	Part time	Total	Looking for full-time work	Looking for part-time work	Total	
MALES							
With post-school qualifications	1,719.3	70.4	1,789.6	120.3	*	124.6	1,914.2
Degree or equivalent	367.6	19.2	386.9	12.8	*	14.5	401.4
Trade, technical level	1,320.3	48.3	1,368.6	104.3	*	106.5	1,475.1
Other	31.3	*	34.2	*	*	*	37.8
Without post-school qualifications	2,013.8	130.3	2,144.1	293.7	9.9	303.6	2,447.7
Attended highest level of secondary school available	447.4	39.7	487.0	53.2	5.9	59.0	546.1
Did not attend highest level of secondary school available	1,560.9	90.4	1,651.3	239.0	* *	243.0	1,894.3
Left at age—							
18 years or over	22.2	*	23.7	5.2	*	5.2	28.8
16 or 17 years	490.5	28.3	518.7	85.5	*	86.7	605.4
14 or 15 years	872.9	46.8	919.6	130.1	*	132.3	1,052.0
13 years or under	175.3	13.9	189.2	18.2	*	18.9	208.1
Never attended school	5.5	*	5.7	*	*	*	7.3
Still at school	*	23.8	25.5	5.0	7.5	12.6	38.1
Total	3,734.8	224.5	3,959.2	419.1	21.7	440.8	4,400.0
FEMALES							
With post-school qualifications	582.5	282.1	864.6	65.4	22.0	87.4	952.0
Degree or equivalent	126.4	44.4	170.8	9.9	5.1	15.0	185.7
Trade, technical level	442.4	225.1	667.5	52.8	16.1	68.9	736.5
Other	13.7	12.6	26.3	*	*	*	29.8
Without post-school qualifications	874.1	519.2	1,393.4	163.1	43.0	206.0	1,599.4
Attended highest level of secondary school available	200.5	92.3	292.7	32.6	10.7	43.3	336.1
Did not attend highest level of secondary school available	671.4	425.4	1,096.8	129.4	32.1	161.5	1,258.3
Left at age—							
18 years or over	12.5	*	15.4	*	*	*	19.1
16 or 17 years	255.0	119.2	374.2	53.3	9.7	63.0	437.2
14 or 15 years	355.6	272.3	627.9	64.8	20.2	85.0	712.8
13 years or under	48.3	31.0	79.3	7.7	*	9.9	89.2
Never attended school	*	*	*	*	*	*	5.0
Still at school	*	37.3	37.8	*	8.4	12.5	50.3
Total	1,457.1	838.7	2,295.8	232.5	73.4	305.9	2,601.7
PERSONS							
With post-school qualifications	2,301.8	352.4	2,654.2	185.7	26.3	212.0	2,866.3
Degree or equivalent	494.0	63.6	557.6	22.7	6.8	29.5	587.1
Trade, technical level	1,762.7	273.4	2,036.1	157.0	18.4	175.4	2,211.5
Other	45.1	15.4	60.5	6.0	*	7.1	67.6
Without post-school qualifications	2,887.9	649.5	3,537.4	456.8	52.9	509.7	4,047.1
Attended highest level of secondary school available	647.8	132.0	779.8	85.8	16.6	102.4	882.2
Did not attend highest level of secondary school available	2,232.3	515.9	2,748.1	368.4	36.1	404.5	3,152.6
Left at age—							
18 years or over	34.7	*	39.1	8.8	*	8.8	47.9
16 or 17 years	745.5	147.5	893.0	138.8	10.8	149.7	1,042.6
14 or 15 years	1,228.5	319.0	1,547.5	194.9	22.4	217.3	1,764.8
13 years or under	223.6	44.9	268.6	25.9	*	28.7	297.3
Never attended school	7.8	*	9.5	*	*	*	12.3
Still at school	*	61.2	63.3	9.2	15.9	25.1	88.4
Total	5,191.9	1,063.1	6,255.0	651.6	95.1	746.7	7,001.7

TABLE 7. EMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND INDUSTRY, FEBRUARY 1983
(' 000)

Industry division	With post-school qualifications			Without post-school qualifications				Total (b)	Total (c)
	Degree or equivalent	Trade, technical level	Total (a)	Attended highest secondary level	Did not attend highest level of secondary school and left at age (years)				
					16 or over	15 or under			
MALES									
Agriculture, forestry, fishing and hunting	8.7	58.8	71.9	35.7	51.2	147.6	234.8	310.7	
Mining	6.9	37.6	46.6	9.1	8.8	26.4	44.5	91.1	
Manufacturing	44.1	338.7	386.7	82.4	127.4	273.2	485.5	873.2	
Electricity, gas and water	9.2	60.5	70.8	10.2	14.0	36.0	60.9	131.7	
Construction	11.9	197.6	211.9	25.5	44.7	98.2	168.7	380.9	
Wholesale and retail trade	31.5	227.4	263.9	100.2	119.6	189.4	409.3	690.3	
Transport and storage	9.3	94.2	105.6	31.3	49.7	122.3	204.0	309.6	
Communication	*	40.0	45.3	14.5	13.2	32.4	60.1	105.5	
Finance, property and business services	70.9	77.4	151.1	71.7	45.2	37.4	154.5	305.5	
Public administration and defence	35.4	52.0	90.3	37.3	16.4	49.1	103.6	194.1	
Community services	142.7	129.3	275.3	34.5	27.9	50.6	113.2	388.9	
Recreation, personal and other services	12.0	55.2	70.2	34.5	24.2	46.2	105.2	177.6	
Total	386.9	1,368.6	1,789.6	487.0	542.4	1,108.9	2,144.1	3,959.2	
FEMALES									
Agriculture, forestry, fishing and hunting	*	23.3	25.9	9.6	17.1	49.5	76.7	104.5	
Mining	*	*	*	*	*	*	5.3	8.3	
Manufacturing	7.8	53.1	64.1	28.5	60.9	128.8	218.6	283.1	
Electricity, gas and water	*	5.2	6.1	*	*	*	7.6	13.7	
Construction	*	14.0	15.0	5.9	7.7	19.2	33.0	48.0	
Wholesale and retail trade	11.5	107.9	126.9	77.4	115.8	197.9	391.8	549.2	
Transport and storage	*	16.3	18.7	6.9	10.6	16.2	33.7	52.5	
Communication	*	*	5.7	*	7.8	12.0	23.9	29.6	
Finance, property and business services	13.0	71.2	86.2	49.3	55.0	62.4	166.7	253.3	
Public administration and defence	13.8	28.4	44.4	18.8	16.6	21.3	56.7	101.0	
Community services	110.4	283.1	399.4	60.8	58.0	115.7	235.6	636.0	
Recreation, personal and other services	8.0	58.8	69.3	27.8	35.7	79.7	143.8	216.6	
Total	170.8	667.5	864.6	292.7	389.6	707.2	1,393.4	2,295.8	
PERSONS									
Agriculture, forestry, fishing and hunting	10.6	82.0	97.8	45.2	68.3	197.1	311.4	415.2	
Mining	7.6	39.8	49.6	10.3	10.7	28.7	49.9	99.4	
Manufacturing	51.9	391.8	450.9	111.0	188.3	402.0	704.1	1,156.3	
Electricity, gas and water	9.8	65.7	76.9	13.1	16.5	38.2	68.6	145.5	
Construction	12.8	211.6	226.9	31.4	52.4	117.4	201.6	428.9	
Wholesale and retail trade	43.0	335.3	390.8	177.6	235.4	387.3	801.1	1,239.4	
Transport and storage	10.7	110.4	124.4	38.2	60.4	138.5	237.7	362.1	
Communication	5.0	44.1	51.0	18.3	21.0	44.5	84.0	135.1	
Finance, property and business services	83.9	148.6	237.3	121.0	100.2	99.8	321.2	558.8	
Public administration and defence	49.3	80.4	134.7	56.1	33.0	70.4	160.2	295.2	
Community services	253.0	412.4	674.6	95.2	85.9	166.3	348.8	1,025.0	
Recreation, personal and other services	20.0	113.9	139.5	62.3	60.0	125.8	248.9	394.2	
Total	557.6	2,036.1	2,654.2	779.8	932.0	1,816.1	3,537.4	6,255.0	

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school. (c) Includes persons aged 15 to 20 years still at school.

TABLE 8. EMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND OCCUPATION, FEBRUARY 1983
(' 000)

Occupation group	With post-school qualifications			Attended highest secondary level	Without post-school qualifications		Total (b)	Total (c)
	Degree or equivalent	Trade, technical level	Total (a)		Did not attend highest level of secondary school and left at age (years)			
					16 or over	15 or under		
MALES								
Professional, technical, etc.	273.3	172.2	448.4	40.9	15.3	11.9	68.1	516.7
Administrative, executive and managerial	45.0	133.1	180.3	62.6	40.5	81.7	184.8	365.1
Clerical	26.7	58.0	91.4	122.5	54.6	54.8	231.8	324.1
Sales	10.6	71.3	84.3	47.3	43.2	64.7	155.2	248.2
Farmers, fishermen, timber-getters, etc.	8.8	67.9	82.0	41.2	60.2	168.2	270.3	356.5
Miners, quarrymen, etc.	*	9.2	11.6	*	*	14.6	22.3	33.9
Transport and communication	*	69.6	76.8	26.3	46.0	139.6	212.5	289.4
Tradesmen, production-process workers and labourers, n.e.c.	12.3	711.5	731.4	110.4	241.8	500.1	856.1	1,593.4
Service, sport and recreation	4.6	75.8	83.3	32.5	36.7	73.3	143.1	232.0
Total	386.9	1,368.6	1,789.6	487.0	542.4	1,108.9	2,144.1	3,959.2
FEMALES								
Professional, technical, etc.	122.0	222.8	346.6	34.2	15.4	19.0	68.6	415.3
Administrative, executive and managerial	*	18.2	23.3	8.2	9.7	16.7	34.8	58.1
Clerical	29.2	239.4	277.8	136.0	163.0	184.8	483.8	769.7
Sales	6.0	49.4	60.0	43.4	67.1	123.9	234.8	316.5
Farmers, etc.	*	21.5	23.9	9.4	17.7	51.1	78.6	104.7
Transport and communication	*	9.7	11.1	*	10.4	21.8	35.6	46.7
Tradeswomen, production-process workers and labourers, n.e.c.	*	26.4	29.3	20.8	43.6	113.4	178.7	209.0
Service, sport and recreation	6.4	80.2	92.5	37.5	62.4	176.5	278.3	375.5
Total(d)	170.8	667.5	864.6	292.7	389.6	707.2	1,393.4	2,295.8
PERSONS								
Professional, technical, etc.	395.3	395.0	795.0	75.1	30.6	30.9	136.6	932.0
Administrative, executive and managerial	49.5	151.2	203.6	70.8	50.2	98.4	219.6	423.2
Clerical	55.8	297.4	369.3	258.4	217.6	239.6	715.6	1,093.8
Sales	16.6	120.7	144.4	90.7	110.3	188.5	389.9	564.7
Farmers, fishermen, timber-getters, etc.	10.5	89.4	105.9	50.6	77.9	219.3	348.9	461.2
Miners, quarrymen, etc.	*	9.2	11.6	*	4.5	14.6	22.5	34.1
Transport and communication	4.9	79.2	88.0	29.7	56.3	161.4	248.1	336.1
Tradesmen, production-process workers and labourers, n.e.c.	13.0	737.9	760.7	131.2	285.4	613.5	1,034.8	1,802.3
Service, sport and recreation	10.9	156.1	175.8	70.0	99.2	249.8	421.4	607.5
Total	557.6	2,036.1	2,654.2	779.8	932.0	1,816.1	3,537.4	6,255.0

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school. (c) Includes persons aged 15 to 20 years still at school.
(d) Includes miners, etc.

TABLE 9. EMPLOYED PERSONS(a) : EDUCATIONAL ATTAINMENT, INDUSTRY AND OCCUPATION, FEBRUARY 1983
(' 000)

Occupation group	Industry division											Total
	Agriculture, forestry, fishing and hunting	Mining	Manufacturing	Construction	Wholesale and retail trade	Transport and storage	Finance, property and business services	Community services	Public administration and defence	Recreation, personal and other services	Other industries	
WITH POST-SCHOOL QUALIFICATIONS												
Professional, technical, etc.	•	7.3	60.5	14.8	26.8	8.0	90.5	503.2	37.8	17.2	27.5	795.0
Administrative, executive and managerial	•	•	44.5	12.7	67.3	7.5	22.6	10.2	14.9	17.1	•	203.6
Clerical	•	•	41.4	15.2	57.0	20.2	78.4	63.9	55.7	14.6	16.9	369.3
Sales	•	•	13.0	•	97.3	•	22.8	•	•	•	•	144.4
Farmers, fishermen, timber-getters, etc.	89.0	•	•	•	•	•	•	•	•	5.4	•	105.9
Miners, quarrymen and related workers	•	10.8	•	•	•	•	•	•	•	•	•	11.6
Transport and communication	•	•	6.1	•	9.2	46.9	•	•	5.5	•	8.8	88.0
Tradesmen, production-process workers and labourers, n.e.c.	•	20.6	279.6	178.9	124.8	33.3	8.7	21.6	13.0	8.7	68.9	760.7
Service, sport and recreation	•	•	•	•	5.7	6.4	12.3	68.5	•	73.1	•	175.8
Total	97.8	49.6	450.9	226.9	390.8	124.4	237.3	674.6	134.7	139.5	127.9	2,654.2
WITHOUT POST-SCHOOL QUALIFICATIONS BUT ATTENDED HIGHEST LEVEL OF SECONDARY SCHOOL AVAILABLE												
Professional, technical, etc.	•	•	10.4	•	•	•	11.8	33.0	•	6.9	•	75.1
Administrative, executive and managerial	•	•	10.4	•	30.0	•	9.3	•	•	8.1	•	70.8
Clerical	•	•	23.3	6.7	38.6	13.3	85.2	28.5	41.5	7.2	10.8	258.4
Sales	•	•	6.1	•	73.1	•	6.7	•	•	•	•	90.7
Farmers, fishermen, timber-getters, etc.	42.1	•	•	•	•	•	•	•	•	•	•	50.6
Transport and communication	•	•	•	•	4.6	13.7	•	•	•	•	5.2	29.7
Tradesmen, production-process workers and labourers, n.e.c.	•	•	58.2	17.3	23.4	4.7	•	•	•	•	11.9	131.2
Service, sport and recreation	•	•	•	•	•	•	5.2	25.6	•	30.8	•	70.0
Total(b)	45.2	10.3	111.0	31.4	177.6	38.2	121.0	95.2	56.1	62.3	31.4	779.8
WITHOUT POST-SCHOOL QUALIFICATIONS AND DID NOT ATTEND HIGHEST LEVEL OF SECONDARY SCHOOL AVAILABLE(c)												
Professional, technical, etc.	•	•	8.9	•	•	•	8.1	25.7	•	8.3	•	61.6
Administrative, executive and managerial	•	•	17.7	4.7	71.4	10.3	19.0	•	•	16.4	•	148.6
Clerical	•	5.3	65.2	23.7	91.0	25.3	110.0	51.5	40.1	20.3	21.7	457.1
Sales	•	•	13.8	•	263.1	•	10.8	•	•	6.1	•	298.8
Farmers, fishermen, timber-getters, etc.	254.9	•	•	•	7.4	•	•	7.5	5.8	11.6	•	297.2
Miners, quarrymen and related workers	•	16.7	•	•	•	•	•	•	•	•	•	19.1
Transport and communication	•	•	21.1	4.9	22.8	106.2	•	7.9	11.9	•	32.7	217.7
Tradesmen, production-process workers and labourers, n.e.c.	•	11.2	441.9	128.8	145.6	46.1	8.0	22.9	28.3	9.0	54.8	898.9
Service, sport and recreation	•	•	17.1	•	17.2	8.3	40.4	132.2	11.9	111.5	5.7	349.0
Total	265.4	39.4	590.3	169.8	622.7	198.9	200.0	252.2	103.5	185.8	120.1	2,748.1

(a) Excludes persons aged 15 to 20 years who are still attending school. (b) Includes miners, etc. (c) Excludes persons who never attended school.

TABLE 10. EMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1983

Educational attainment	Age group (years)						Total	per cent
	15-19	20-24	25-34	35-44	45-54	55 and over		
— '000—								
MALES								
With post-school qualifications	20.9	204.0	572.8	514.6	293.0	184.3	1,789.6	45.2
Degree or equivalent	*	33.2	146.5	113.3	53.3	40.6	386.9	9.8
Trade, technical level	17.6	167.3	415.9	392.6	234.2	140.9	1,368.6	34.6
Other	6.8		10.5	8.6	5.5	*	34.2	0.9
Without post-school qualifications(a)	270.4	310.5	492.4	428.2	359.8	282.8	2,144.1	54.2
Attended highest level of secondary school available	65.3	125.7	140.2	76.1	43.3	36.4	487.0	12.3
Did not attend highest level of secondary school available	205.1	184.8	351.6	351.4	313.5	245.0	1,651.3	41.7
Left at age—								
18 years or over	6.0		9.2	*	*	*	23.7	0.6
16 or 17 years	116.3	107.4	143.1	81.0	42.2	28.7	518.7	13.1
14 or 15 years	86.2	70.4	184.3	218.7	208.1	152.0	919.6	23.2
13 years or under	*	*	15.0	47.5	60.7	62.5	189.2	4.8
Still at school	25.5	*					25.5	0.6
Total	316.8	514.5	1,065.2	942.8	652.8	467.1	3,959.2	100.0
FEMALES								
With post-school qualifications	45.0	170.0	282.8	212.4	104.9	49.5	864.6	37.7
Degree or equivalent	*	28.0	73.9	43.0	17.0	8.6	170.8	7.4
Trade, technical level	41.7	137.3	203.3	161.1	84.6	39.4	667.5	29.1
Other	*	4.7	5.6	8.3	*	*	26.3	1.1
Without post-school qualifications(a)	198.9	224.5	311.9	327.4	214.7	116.0	1,393.4	60.7
Attended highest level of secondary school available	66.4	83.3	64.0	39.3	25.0	14.8	292.7	12.8
Did not attend highest level of secondary school available	132.5	141.2	247.5	287.0	187.7	101.0	1,096.8	47.8
Left at age—								
18 years or over	*	*	4.9	*	*	*	15.4	0.7
16 or 17 years	71.5	81.4	103.6	68.4	33.1	16.2	374.2	16.3
14 or 15 years	58.4	55.6	128.7	184.4	131.1	69.7	627.9	27.3
13 years or under	*	*	10.3	31.6	22.4	14.1	79.3	3.5
Still at school	37.8	*					37.8	1.6
Total	281.7	394.5	594.7	539.8	319.7	165.4	2,295.8	100.0
PERSONS								
With post-school qualifications	65.8	374.1	855.6	727.0	397.9	233.8	2,654.2	42.4
Degree or equivalent	*	61.2	220.4	156.4	70.3	49.2	557.6	8.9
Trade, technical level	59.3	304.6	619.2	553.8	318.9	180.4	2,036.1	32.6
Other	6.4	8.2	16.0	16.9	8.8	*	60.5	1.0
Without post-school qualifications(a)	469.3	535.0	804.3	755.5	574.6	398.8	3,537.4	56.6
Attended highest level of secondary school available	131.7	209.0	204.3	115.4	68.4	51.1	779.8	12.5
Did not attend highest level of secondary school available	337.6	326.0	599.1	638.3	501.1	345.9	2,748.1	43.9
Left at age—								
18 years or over	*	8.1	14.1	6.7	*	*	39.1	0.6
16 or 17 years	187.8	188.7	246.7	149.4	75.3	44.9	893.0	14.3
14 or 15 years	144.7	125.9	312.9	403.1	339.2	221.7	1,547.5	24.7
13 years or under	*	*	25.3	79.1	83.0	76.6	268.6	4.3
Never attended school	*	*	*	*	5.1	*	9.5	0.2
Still at school	63.3	*					63.3	1.0
Total	598.4	909.0	1,659.9	1,482.6	972.5	632.6	6,255.0	100.0

(a) Includes persons who never attended school.

TABLE 11. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1983

	Age group (years)						Total	per cent
	15-19	20-24	25-34	35-44	45-54	55 and over		
<i>Educational attainment</i>	— '000—							
MALES								
With post-school qualifications(a)	5.6	33.3	40.0	19.7	15.8	10.3	124.6	28.3
Degree or equivalent	*	4.5	6.3	*	*	*	14.5	3.3
Trade, technical level	*	28.1	32.9	17.3	14.4	9.6	106.5	24.2
Without post-school qualifications(b)	91.0	72.3	63.5	36.5	22.9	17.4	303.6	68.9
Attended highest level of secondary school available	21.7	17.4	10.3	6.5	*	*	59.0	13.4
Did not attend highest level of secondary school available	69.4	54.9	53.0	29.3	20.0	16.5	243.0	55.1
Left school at age—								
16 years or over	37.4	27.9	20.0	*	*	*	91.8	20.8
15 years or under	31.9	27.0	33.0	25.4	18.0	15.8	151.2	34.3
Still at school	12.6	*	..	..	..	..	12.6	2.9
<i>Total</i>	109.2	105.6	103.5	56.2	38.7	27.7	440.8	100.0
FEMALES								
With post-school qualifications(a)	15.1	23.2	26.1	15.2	5.9	*	87.4	28.6
Degree or equivalent	*	*	6.9	*	*	*	15.0	4.9
Trade, technical level	14.1	18.4	18.4	12.4	*	*	68.9	22.5
Without post-school qualifications(b)	70.9	47.2	44.5	29.3	10.9	*	206.0	67.3
Attended highest level of secondary school available	17.5	12.2	7.9	4.8	*	*	43.3	14.2
Did not attend highest level of secondary school available	53.4	35.0	36.4	24.0	9.6	*	161.5	52.8
Left school at age—								
16 years or over	28.4	19.2	14.5	*	*	*	66.7	21.8
15 years or under	25.0	15.8	21.9	20.5	8.8	*	94.8	31.0
Still at school	12.5	*	..	..	..	..	12.5	4.1
<i>Total</i>	98.5	70.3	70.7	44.6	16.8	5.2	305.9	100.0
PERSONS								
With post-school qualifications(a)	20.7	56.5	66.2	34.9	21.6	12.2	212.0	28.4
Degree or equivalent	*	8.5	13.2	4.6	*	*	29.5	3.9
Trade, technical level	18.3	46.5	51.3	29.7	18.8	10.9	175.4	23.5
Without post-school qualifications(b)	161.9	119.5	108.0	65.8	33.8	20.7	509.7	68.3
Attended highest level of secondary school available	39.1	29.5	18.2	11.3	*	*	102.4	13.7
Did not attend highest level of secondary school available	122.8	89.9	89.4	53.3	29.6	19.6	404.5	54.2
Left school at age—								
16 years or over	65.9	47.1	34.5	7.4	*	*	158.5	21.2
15 years or under	56.9	42.8	54.9	45.9	26.8	18.6	246.0	32.9
Still at school	25.1	*	..	..	..	..	25.1	3.4
<i>Total</i>	207.7	175.9	174.2	100.7	55.4	32.9	746.7	100.0

(a) Includes a small number of persons with other post-school qualifications. (b) Includes persons who never attended school.

TABLE 12. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND DURATION OF CURRENT PERIOD OF UNEMPLOYMENT, FEBRUARY 1983

	Duration of current period of unemployment (weeks)						Total	Average (mean) duration	Median duration
	1 and under 4	4 and under 8	8 and under 13	13 and under 26	26 and under 52	52 and over			
<i>Educational attainment</i>	— '000—							—weeks—	
MALES									
With post-school qualifications(a)	20.1	22.4	22.0	26.7	15.5	18.0	124.6	23.4	12.0
Degree or equivalent	5.6		5.8		*	*	14.5	20.2	11.0
Trade, technical level	17.1	19.0	18.5	23.5	13.8	14.7	106.5	23.3	12.0
Without post-school qualifications(b)	28.6	40.9	51.3	59.1	53.1	70.7	303.6	35.2	17.1
Attended highest level of secondary school available	7.6	10.3	12.4	11.2	9.7	7.8	59.0	24.8	12.0
Did not attend highest level of secondary school available	20.9	30.4	38.6	47.6	43.4	62.1	243.0	37.7	19.0
Left at age—									
16 or over	8.8	12.8	17.8	18.9	15.2	18.4	91.8	30.8	15.0
15 or under	12.2	17.6	20.8	28.7	28.2	43.8	151.2	41.8	23.0
Still at school	5.8		5.3		*	*	12.6	11.0	8.0
<i>Total</i>	51.7	66.1	76.2	88.1	69.6	89.1	440.8	31.2	14.1
FEMALES									
With post-school qualifications(a)	20.5	16.2	16.4	11.1	11.0	12.2	87.4	23.3	9.0
Degree or equivalent	6.3		*	*	5.8		15.0	23.6	9.0
Trade, technical level	16.6	13.1	13.3	8.7	8.1	9.1	68.9	22.4	9.0
Without post-school qualifications(b)	34.2	31.1	33.1	30.9	31.2	45.5	206.0	33.8	13.0
Attended highest level of secondary school available	7.2	7.7	10.7	5.8	5.9	6.0	43.3	24.1	10.0
Did not attend highest level of secondary school available	27.1	23.4	22.4	24.4	24.8	39.5	161.5	36.5	14.1
Left at age—									
16 or over	9.1	9.5	11.4	10.5	10.7	15.5	66.7	35.0	16.0
15 or under	17.9	13.9	11.0	13.8	14.1	24.0	94.8	37.5	14.0
Still at school	4.9		5.0		*	*	12.5	27.6	9.0
<i>Total</i>	57.2	49.7	52.8	43.7	43.6	58.9	305.9	30.6	12.0
PERSONS									
With post-school qualifications(a)	40.6	38.5	38.4	37.8	26.4	30.2	212.0	23.4	11.0
Degree or equivalent	5.9	6.0	6.1	4.7	*	*	29.5	22.0	9.1
Trade, technical level	33.6	32.1	31.8	32.2	21.9	23.8	175.4	23.0	10.1
Without post-school qualifications(b)	62.8	72.0	84.4	90.0	84.3	116.2	509.7	34.6	16.0
Attended highest level of secondary school available	14.8	18.0	23.1	17.0	15.7	13.8	102.4	24.5	11.1
Did not attend highest level of secondary school available	48.0	53.8	61.1	71.9	68.1	101.6	404.6	37.2	17.1
Left at age—									
16 or over	17.9	22.3	29.2	29.4	25.8	33.8	158.5	32.6	15.0
15 or under	30.1	31.5	31.8	42.5	42.3	67.8	246.0	40.1	20.0
Still at school	5.5	5.3	6.2	6.6		*	25.1	19.3	8.0
<i>Total</i>	108.9	115.8	129.0	131.8	113.2	148.0	746.7	30.9	13.0

(a) Includes a small number of persons with other post-school qualifications. (b) Includes persons who never attended school.

TABLE 13. PERSONS NOT IN THE LABOUR FORCE : EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1983

	Age group (years)						Total	per cent
	15-19	20-24	25-34	35-44	45-54	55 and over		
Educational attainment	— '000—							
MALES								
With post-school qualifications	*	9.9	12.9	11.2	16.6	223.0	275.0	23.2
Degree or equivalent	*	*	5.2	*	*	29.2	42.4	3.6
Trade, technical level	*	4.8	7.0	8.9	14.4	190.3	226.4	19.1
Other	*	*	*	*	*	*	6.2	0.5
Without post-school qualifications(a)	47.4	31.6	24.7	33.5	44.4	566.4	748.0	63.0
Attended highest level of secondary school available	28.0	20.2	4.6	*	5.0	48.3	109.3	9.2
Did not attend highest level of secondary school available	19.4	11.4	19.2	29.1	37.8	508.5	625.5	52.7
Left at age—								
18 years or over	*	*	*	*	*	*	5.6	0.5
16 or 17 years	9.6	4.5	6.0	5.0	*	46.3	75.2	6.3
14 or 15 years	9.0	6.4	10.7	19.1	23.7	324.2	393.1	33.1
13 years or under	*	*	*	4.8	10.0	134.6	151.6	12.8
Still at school	164.4	*	..	..	..	..	164.7	13.9
Total	213.2	41.8	37.6	44.7	61.0	789.4	1,187.7	100.0
FEMALES								
With post-school qualifications	*	37.9	165.9	108.4	63.0	183.1	561.7	18.3
Degree or equivalent	*	4.6	24.9	14.7	*	15.3	63.5	2.1
Trade, technical level	*	31.9	136.5	87.1	54.3	158.9	471.9	15.4
Other	*	*	4.5	6.6	4.7	8.9	26.4	0.9
Without post-school qualifications	70.4	145.2	386.8	316.5	315.8	1,117.2	2,351.9	76.5
Attended highest level of secondary school available	31.1	35.7	60.6	32.1	24.2	97.2	280.8	9.1
Did not attend highest level of secondary school available	39.1	109.6	324.8	282.7	285.8	1,001.2	2,043.2	66.4
Left at age—								
18 years or over	*	*	4.7	*	*	*	15.4	0.5
16 or 17 years	18.1	45.9	113.1	55.0	41.0	96.5	369.6	12.0
14 or 15 years	20.1	58.7	188.3	189.0	192.1	704.0	1,352.2	44.0
13 years or under	*	*	18.7	36.9	50.9	196.5	306.0	10.0
Never attended school	*	*	*	*	5.9	18.7	27.9	0.9
Still at school	159.8	*	..	..	..	..	160.4	5.2
Total	233.6	183.7	552.7	424.8	378.8	1,300.3	3,073.9	100.0
PERSONS								
With post-school qualifications	4.9	47.8	178.8	119.5	79.5	406.2	836.7	19.6
Degree or equivalent	*	8.7	30.1	16.8	5.8	44.5	105.8	2.5
Trade, technical level	*	36.7	143.5	95.9	68.7	349.2	698.2	16.4
Other	*	*	5.2	6.8	5.0	12.5	32.6	0.8
Without post-school qualifications	117.8	176.8	411.5	350.0	360.3	1,683.6	3,099.9	72.7
Attended highest level of secondary school available	59.1	55.8	65.2	35.4	29.1	145.6	390.1	9.2
Did not attend highest level of secondary school available	58.5	121.0	344.1	311.8	323.6	1,509.8	2,668.7	62.6
Left at age—								
18 years or over	*	*	5.7	*	*	7.8	21.0	0.5
16 or 17 years	27.7	50.3	119.1	60.0	44.8	142.8	444.8	10.4
14 or 15 years	29.2	65.1	199.0	208.1	215.8	1,028.1	1,745.3	41.0
13 years or under	*	*	20.3	41.7	60.8	331.0	457.5	10.7
Never attended school	*	*	5.0	..	7.6	28.3	41.1	1.0
Still at school	324.2	*	..	..	..	..	325.1	7.6
Total	446.8	225.5	590.3	469.5	439.8	2,089.8	4,261.6	100.0

(a) Includes persons who never attended school.

TABLE 14. PERSONS NOT IN THE LABOUR FORCE : EDUCATIONAL ATTAINMENT, WHETHER IN THE LABOUR FORCE IN THE LAST TWELVE MONTHS AND MAJOR ACTIVITY WHILE OUT OF THE LABOUR FORCE, FEBRUARY 1983
(* 000)

	Major activity while out of the labour force								Total
	Kept house	Studying	Retired, voluntarily inactive	Own illness, injury	Permanently unable to work	Unpaid voluntary work	Other activity	Not asked major activity	
IN THE LABOUR FORCE IN THE LAST TWELVE MONTHS									
With post-school qualifications(a)	111.1	11.5	36.8	12.2	*	*	5.3	19.1	197.2
Degree or equivalent	13.1	7.0	7.6	*	*	*	*	*	32.5
Trade, technical level	93.6	*	28.9	10.1	*	*	*	15.6	156.7
Without post-school qualifications(b)	222.7	41.3	69.7	30.1	*	*	8.4	53.7	427.6
Attended highest level of secondary school available	30.6	30.7	13.0	*	*	*	*	12.0	92.8
Did not attend highest level of secondary school available	191.4	10.6	56.3	25.1	*	*	6.4	41.2	332.4
Left at age—									
16 years or over	55.6	6.7	11.0	5.9	*	*	*	13.0	94.6
15 years or under	135.8	*	45.4	19.2	*	*	*	28.2	237.8
Still at school	*	66.7	*	*	*	*	*	*	72.3
Total	334.4	119.5	107.3	42.3	*	*	14.1	76.8	697.1
Males	*	60.4	78.1	28.6	*	*	9.6	29.7	211.0
Females	331.5	59.1	29.2	13.7	*	*	4.5	47.0	486.1
NOT IN THE LABOUR FORCE IN THE LAST 12 MONTHS									
With post-school qualifications(a)	370.3	15.5	207.4	21.6	10.0	12.6	*	..	639.5
Degree or equivalent	35.4	7.6	24.4	*	*	*	*	..	73.4
Trade, technical level	318.3	6.3	178.2	19.1	9.3	8.8	*	..	541.5
Without post-school qualifications	1,822.9	67.8	618.7	73.5	56.1	22.2	11.0	..	2,672.2
Attended highest level of secondary school available	176.6	50.3	56.4	5.6	*	*	*	..	297.3
Did not attend highest level of secondary school available	1,627.4	17.5	549.4	65.5	49.2	18.5	8.8	..	2,336.3
Left at age—									
16 years or over	284.2	7.8	56.9	9.0	7.1	4.5	*	..	371.3
15 years or under	1,343.2	9.7	492.5	56.5	42.1	14.0	7.0	..	1,965.0
Never attended school	18.9	*	12.8	6.3	..	*	*	..	38.7
Still at school	*	251.2	*	*	*	*	*	..	252.8
Total	2,193.9	334.5	826.2	95.1	66.9	34.8	13.1	..	3,564.5
Males	24.0	165.4	653.8	71.3	47.6	7.7	6.8	..	976.7
Females	2,169.9	169.1	172.4	23.8	19.3	27.2	6.3	..	2,587.9
TOTAL									
With post-school qualifications	481.4	27.0	244.2	33.8	10.8	12.9	7.4	19.1	836.7
Degree or equivalent	48.5	14.6	32.0	*	*	*	*	*	105.8
Trade, technical level	411.9	10.3	207.1	29.2	10.1	8.9	5.1	15.6	698.2
Other	21.0	*	5.1	*	*	*	*	*	32.6
Without post-school qualifications	2,045.6	109.1	688.4	103.5	57.2	22.8	19.5	53.7	3,099.9
Attended highest level of secondary school available	207.2	81.1	69.4	9.7	*	7.7	..	12.0	390.1
Did not attend highest level of secondary school available	1,818.8	28.1	605.7	90.5	50.3	18.8	15.2	41.2	2,668.7
Left at age—									
16 years or over	339.8	14.5	67.8	14.9	7.1	4.5	*	13.0	465.8
15 years or under	1,479.0	13.6	537.9	75.7	43.2	14.3	10.9	28.2	2,202.8
Never attended school	19.6	*	13.2	7.2	..	*	*	*	41.1
Still at school	*	317.9	*	*	*	*	*	*	325.1
Total	2,528.3	454.0	933.6	137.3	68.9	35.6	27.2	76.8	4,261.6
Males	26.9	225.8	732.0	99.9	49.3	7.7	16.5	29.7	1,187.7
Females	2,501.4	228.2	201.6	37.5	19.6	28.0	10.8	47.0	3,073.9

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school.

TABLE 15. SUMMARY OF SURVEY RESULTS, 1979 TO 1983
(' 000)

Labour force status and year of survey	With post-school qualifications			Attended highest secondary level	Without post-school qualifications		Total (b)	Total (c)
	Degree or equivalent	Trade, technical level	Total (a)		Did not attend highest level of secondary school and left at age (years)			
					16 or over	15 or under		
MALES								
Employed—								
1979	313.6	1,235.1	1,575.6	441.6	534.4	1,311.7	2,295.3	3,900.0
1980	310.3	1,266.3	1,601.1	452.3	564.1	1,287.3	2,317.2	3,950.8
1981	353.4	1,322.0	1,703.1	474.4	555.1	1,283.7	2,321.5	4,057.1
1982	363.7	1,399.2	1,789.1	483.3	570.5	1,198.1	2,259.9	4,082.9
1983	386.9	1,368.6	1,789.6	487.0	542.4	1,108.9	2,144.1	3,959.2
Unemployed—								
1979	6.6	45.4	53.4	30.8	47.7	98.0	177.4	241.1
1980	10.7	38.0	50.5	22.7	53.9	93.1	169.9	229.7
1981	8.9	36.1	45.4	28.7	49.3	91.7	170.2	225.5
1982	8.4	41.6	50.6	35.2	61.9	94.6	192.3	251.7
1983	14.5	106.5	124.6	59.0	91.9	151.2	303.6	440.8
Total labour force—								
1979	320.2	1,280.6	1,629.0	472.4	582.1	1,409.7	2,472.8	4,141.1
1980	321.0	1,304.3	1,651.6	475.0	618.1	1,380.3	2,487.2	4,180.5
1981	362.3	1,358.1	1,748.5	503.2	604.5	1,375.5	2,491.7	4,282.5
1982	372.1	1,440.9	1,839.7	518.5	632.4	1,292.7	2,452.3	4,334.7
1983	401.4	1,475.1	1,914.2	546.1	634.2	1,260.1	2,447.7	4,440.0
Not in the labour force(d)—								
1982	38.9	215.3	257.2	96.2	72.7	525.8	707.9	1,128.1
1983	42.4	226.4	275.0	109.3	80.8	544.7	748.0	1,187.7
Civilian population aged 15 and over(d)—								
1982	410.9	1,656.1	2,096.9	614.7	705.1	1,818.5	3,160.2	5,462.8
1983	443.7	1,701.4	2,189.2	655.4	715.0	1,804.7	3,195.7	5,587.7
FEMALES								
Employed—								
1979	111.4	538.8	667.1	252.9	366.3	806.5	1,430.0	2,134.6
1980	119.4	586.2	727.8	258.2	414.5	789.8	1,466.0	2,228.7
1981	145.1	632.8	801.9	272.2	399.6	753.5	1,430.5	2,270.5
1982	153.9	655.5	833.0	283.7	410.0	741.9	1,440.4	2,314.6
1983	170.8	667.5	864.6	292.7	389.6	707.2	1,393.4	2,295.8
Unemployed—								
1979	*	41.4	50.3	29.5	44.8	86.4	160.7	219.0
1980	*	39.9	46.4	29.3	49.5	76.8	157.2	213.1
1981	10.7	36.7	51.3	24.5	48.3	62.6	136.2	196.9
1982	12.8	50.8	65.5	33.6	47.1	74.3	155.4	232.7
1983	15.0	68.9	87.4	43.3	66.7	94.8	206.0	305.9
Total labour force—								
1979	117.1	580.2	717.4	282.4	411.1	892.8	1,590.6	2,353.6
1980	124.0	626.1	774.2	287.5	464.0	866.6	1,623.2	2,441.8
1981	155.8	669.5	853.2	296.6	448.0	816.0	1,566.7	2,467.5
1982	166.7	706.3	898.5	317.2	457.1	816.3	1,595.7	2,547.3
1983	185.7	736.5	952.0	336.1	456.3	802.0	1,599.4	2,601.7
Not in the labour force(d)—								
1982	67.5	449.0	536.9	267.1	397.3	1,639.1	2,329.8	3,018.0
1983	63.5	471.9	561.7	280.8	385.0	1,658.2	2,351.9	3,073.9
Civilian population aged 15 and over(d)—								
1982	234.2	1,155.3	1,435.4	584.3	854.4	2,455.2	3,925.6	5,565.2
1983	249.2	1,208.3	1,513.7	616.9	841.3	2,460.2	3,951.3	5,675.7
PERSONS								
Employed—								
1979	425.0	1,773.9	2,242.7	694.5	900.6	2,118.1	3,725.3	6,034.6
1980	429.7	1,852.5	2,329.0	710.5	978.5	2,077.1	3,783.3	6,179.5
1981	498.5	1,954.8	2,505.0	746.6	954.9	2,037.1	3,752.0	6,327.6
1982	517.6	2,054.8	2,622.1	766.9	980.5	1,940.0	3,700.3	6,397.5
1983	557.6	2,036.1	2,654.2	779.8	932.0	1,816.1	3,537.4	6,255.0
Unemployed—								
1979	12.3	86.8	103.7	60.3	92.5	184.4	338.1	460.1
1980	15.4	77.9	96.9	52.0	103.4	169.8	327.1	442.8
1981	19.6	72.8	96.7	53.2	97.6	154.3	306.4	422.4
1982	21.2	92.4	116.1	68.7	108.9	168.9	347.7	484.4
1983	29.5	175.4	212.0	102.4	158.5	246.0	509.7	746.7
Total labour force—								
1979	437.3	1,860.7	2,346.4	754.8	993.2	2,302.5	4,063.4	6,494.7
1980	445.1	1,930.4	2,425.8	762.5	1,081.9	2,246.9	4,110.4	6,622.3
1981	518.1	2,027.6	2,601.7	799.8	1,052.4	2,191.5	4,058.4	6,750.0
1982	538.8	2,147.2	2,738.2	835.7	1,089.4	2,108.9	4,048.0	6,881.9
1983	587.1	2,211.5	2,866.3	882.2	1,090.5	2,062.1	4,047.1	7,001.7
Not in the labour force(d)—								
1982	106.3	664.3	794.0	363.4	470.1	2,164.8	3,037.7	4,146.1
1983	105.8	698.2	836.7	390.1	465.8	2,202.8	3,099.9	4,261.6
Civilian population aged 15 and over(d)—								
1982	645.1	2,811.4	3,532.2	1,199.0	1,559.5	4,273.8	7,085.7	11,028.0
1983	693.0	2,909.8	3,702.9	1,272.3	1,556.3	4,265.0	7,147.0	11,263.4

(a) Includes person with other post-school qualifications. (b) Includes persons who never attended school. (c) Includes persons aged 15 to 20 years still at school. (d) In 1979, 1980 and 1981 only persons in the labour force were surveyed. See Explanatory notes, paragraph 11.

TABLE 16. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT, UNEMPLOYMENT RATE, MEDIAN AND AVERAGE DURATION OF CURRENT PERIOD OF UNEMPLOYMENT, 1979 TO 1983

	With post-school qualifications			Without post-school qualifications			
	Degree or equivalent	Trade, technical level	Total (a)	Attended highest secondary level	Did not attend highest level of secondary school	Total (b)	Total (c)
MALES							
Unemployment rate (per cent)—							
1979	2.1	3.5	3.3	6.5	7.3	7.2	5.8
1980	3.3	2.9	3.1	4.8	7.4	6.8	5.5
1981	2.7	2.5	2.6	5.7	7.1	6.8	5.3
1982	2.3	2.9	2.7	6.8	8.1	7.8	5.8
1983	3.6	7.2	6.5	10.8	12.8	12.4	10.0
Average duration (weeks)—							
1979	12.3	26.1	24.0	19.8	39.3	36.1	32.4
1980	18.6	24.6	24.0	15.7	32.9	30.6	28.4
1981	19.4	25.2	23.9	26.2	41.1	38.6	34.5
1982	20.6	31.0	29.0	22.3	37.5	34.9	32.9
1983	20.2	23.3	23.4	24.8	37.7	35.2	31.2
Median duration (weeks)—							
1979	8.6	12.2	11.5	11.0	18.4	16.6	14.2
1980	9.8	8.8	9.6	10.8	15.7	14.1	12.3
1981	9.1	9.5	9.3	11.5	19.4	16.9	12.8
1982	8.1	11.8	11.0	10.0	14.4	13.1	12.2
1983	11.0	12.0	12.0	12.0	19.0	17.1	14.1
FEMALES							
Unemployment rate (per cent)—							
1979	*	7.1	7.0	10.4	10.1	10.1	9.3
1980	*	6.4	6.0	10.2	9.5	9.7	8.7
1981	6.9	5.5	6.0	8.2	8.8	8.7	8.0
1982	7.7	7.2	7.3	10.6	9.5	9.7	9.1
1983	8.0	9.4	9.2	12.9	12.9	12.9	11.8
Average duration (weeks)—							
1979	*	21.6	21.0	19.4	27.8	26.3	24.5
1980	*	20.6	21.4	20.6	29.7	28.6	26.5
1981	16.4	22.9	20.8	21.3	31.8	30.0	26.8
1982	12.8	20.4	19.4	20.1	31.8	29.2	25.6
1983	23.6	22.4	23.3	24.1	36.5	33.8	30.6
Median duration (weeks)—							
1979	*	7.3	7.6	8.6	10.8	10.2	9.5
1980	*	9.1	9.4	10.0	11.1	11.0	10.6
1981	10.1	10.3	9.8	10.5	11.4	11.2	10.6
1982	8.6	8.4	8.6	8.7	11.1	10.4	9.6
1983	9.0	9.0	9.0	10.0	14.1	13.0	12.0
PERSONS							
Unemployment rate (per cent)—							
1979	2.8	4.7	4.4	8.0	8.4	8.3	7.1
1980	3.5	4.0	4.0	6.8	8.2	8.0	6.7
1981	3.8	3.6	3.7	6.7	7.8	7.5	6.3
1982	3.9	4.3	4.2	8.2	8.7	8.6	7.0
1983	5.0	7.9	7.4	11.6	12.8	12.6	10.7
Average duration (weeks)—							
1979	12.1	24.0	22.6	19.6	33.9	31.4	28.6
1980	20.1	22.5	22.7	18.5	31.4	29.6	27.5
1981	17.8	24.0	22.2	24.0	37.0	34.8	30.9
1982	15.9	25.2	23.6	21.2	35.0	32.4	29.4
1983	22.0	23.0	23.4	24.5	37.2	34.6	30.9
Median duration (weeks)—							
1979	8.2	9.5	9.4	9.4	13.1	12.3	11.5
1980	9.6	9.0	9.5	10.5	12.6	12.3	11.5
1981	9.7	9.9	9.6	11.1	15.1	13.0	11.8
1982	8.5	9.9	9.6	9.2	12.5	11.8	10.9
1983	9.1	10.1	11.0	11.1	17.1	16.0	13.0

(a) Includes person with other post-school qualifications. (b) Includes persons who never attended school. (c) Includes persons aged 15 to 20 years still at school.

TECHNICAL NOTE

Estimation procedure

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 and sex, rather than to the corresponding distribution within the sample itself.

Reliability of the estimates

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

3. 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 figures will not give a precise measure of the standard error of a particular estimate but they will provide an indication of its magnitude.

4. An example of the calculation and the use of standard errors in relation to estimates of persons is as follows. From Table 1 the estimated number of persons in the labour force with post-school qualifications is 2,866,300. Since this estimate is between 2,000,000 and 5,000,000 the standard error for Australia will be between 13,000 and 17,050 in the standard error table and can be approximated as 14,200 (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 2,852,100 to 2,880,500 and about nineteen chances in twenty that the value will fall within the range 2,837,900 and 2,894,700. This example is illustrated in the diagram.

5. 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 errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this publication, estimates less than the lowest levels shown in the standard error table have not been published. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable.

6. 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. The formula for the relative standard error (RSE) of a proportion is given below:

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

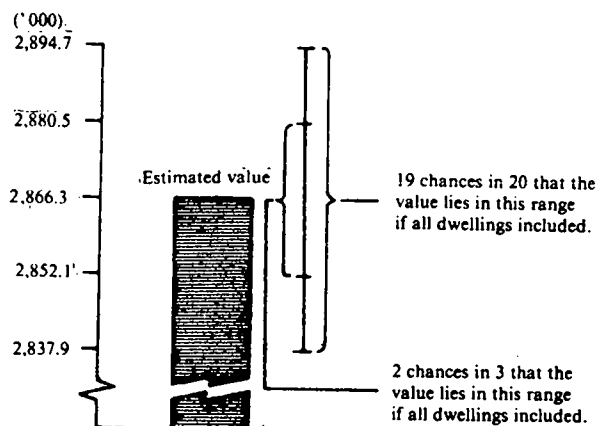
7. Considering the example from paragraph 4 above, these persons as a proportion of the total population with post-school qualifications (3,702,900) gives the participation rate — 77.4 per cent. The standard error for 3,702,900 is approximately 15,300 so the relative standard error is 0.4 per cent. The relative standard error for 2,866,300 is 0.5 per cent. Applying the above formula, the *relative standard error of the proportion* is $\sqrt{(0.5)^2 + (0.4)^2}$ or 0.3 per cent, giving a standard error for the proportion (77.4 per cent) of 0.2 percentage points. Therefore, there are about two chances in three that the proportion, i.e. participation rate, for persons with post-school qualifications is between 77.2 per cent and 77.6 per cent and nineteen chances in twenty the proportion is within the range 77.0 per cent to 77.8 per cent.

8. Published figures may also be used to estimate the difference between two survey estimates (of numbers or percentages). Such a figure is itself an estimate and is therefore 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:

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

While this formula will only be exact for differences between separate and uncorrelated characteristics or 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 the coding and processing of 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.



STANDARD ERRORS OF ESTIMATES

Size of estimate	N.S.W.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	A.C.T.	Australia	
									— number—	Relative standard error (per cent)
1.500						350				
2.300				550	600	400	550	550		
3.000				650	650	450	650	600		
3.500			850	650	700	500	700	600		
4.000			900	700	750	500	700	650		
4.500			950	750	800	550	750	700		
5.000	1250	1250	1000	800	850	550	800	700	1100	24.4
6.000	1350	1350	1050	850	900	600	850	750	1200	24.0
7.000	1450	1400	1150	900	950	650	900	800	1300	21.7
10.000	1700	1650	1350	1050	1100	750	1050	850	1400	20.0
20.000	2350	2200	1750	1350	1450	950	1350	1050	1650	16.5
50.000	3400	3100	2500	1850	2000	1250	1900	1300	2250	11.3
100.000	4450	4000	3250	2350	2500	1450	2450	1450	3400	6.8
200.000	5750	5050	4100	2950	3100	1750		1600	4500	4.5
300.000	6650	5700	4700	3300	3500				5900	2.9
500.000	7900	6650	5550	3850	4000				6850	2.3
1.000.000	9800	8050	6850						8250	1.6
2.000.000	12000	9650							10400	1.0
5.000.000	15350	11850							13000	0.7
									17050	0.3

— Estimates below the levels indicated have not been published, see paragraph 5 above.