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**LABOUR FORCE STATUS AND EDUCATIONAL  
ATTAINMENT, AUSTRALIA  
FEBRUARY 1989**

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

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### AVAILABILITY OF UNPUBLISHED STATISTICS

The ABS offers a range of unpublished statistics from this survey. This information may be made available in the following forms; computer printout or clerically-extracted tabulation. Generally, a charge is made for providing unpublished statistics.

Any queries regarding the availability of unpublished statistics should be directed to Nicolle Wittmann on Canberra (062) 52 6578



## SUMMARY OF FINDINGS

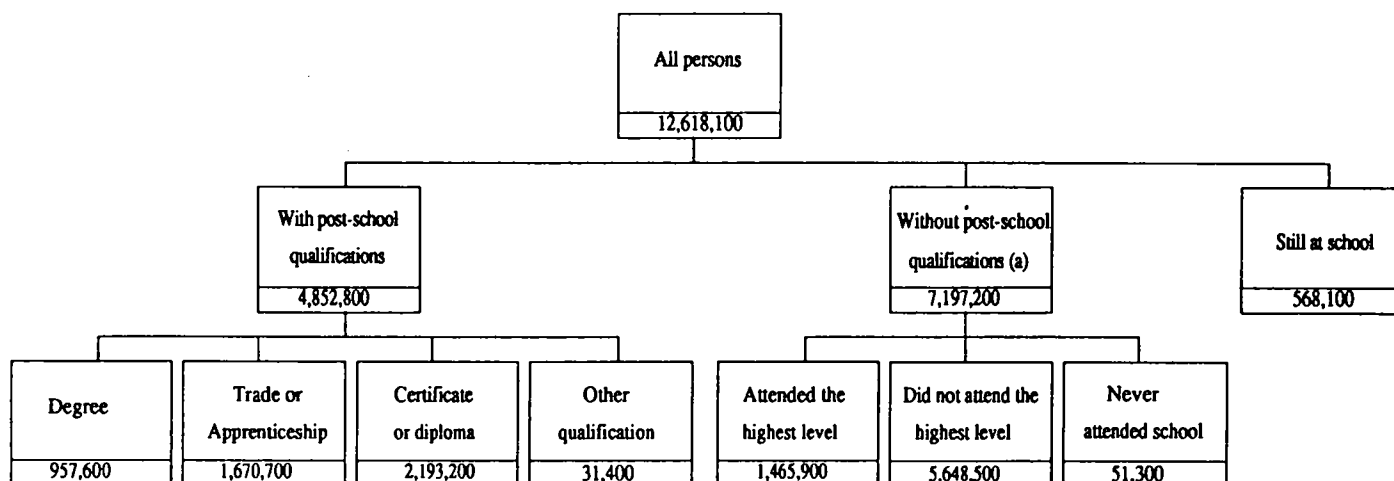
### Educational Attainment

In February 1989 the number of persons aged 15 and over in the scope of the survey was estimated as 12,618,100. This estimate was comprised of 4,852,800 persons (38%) who reported having a post-school qualification; 7,197,200 persons (57%) who were without a post-school qualification and 568,100 persons (5%) still attending school.

Of the 4,852,800 persons with post-school qualifications, 957,600 (20%) had a degree or higher qualification; 1,670,700 (34%) had a trade qualification or apprenticeship; 2,193,200 (45%) had a certificate or diploma and 31,400 (1%) had other qualifications.

Of the 7,197,200 persons without post-school qualifications only 1,465,900 (20%) had attended the highest level of secondary school available.

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



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

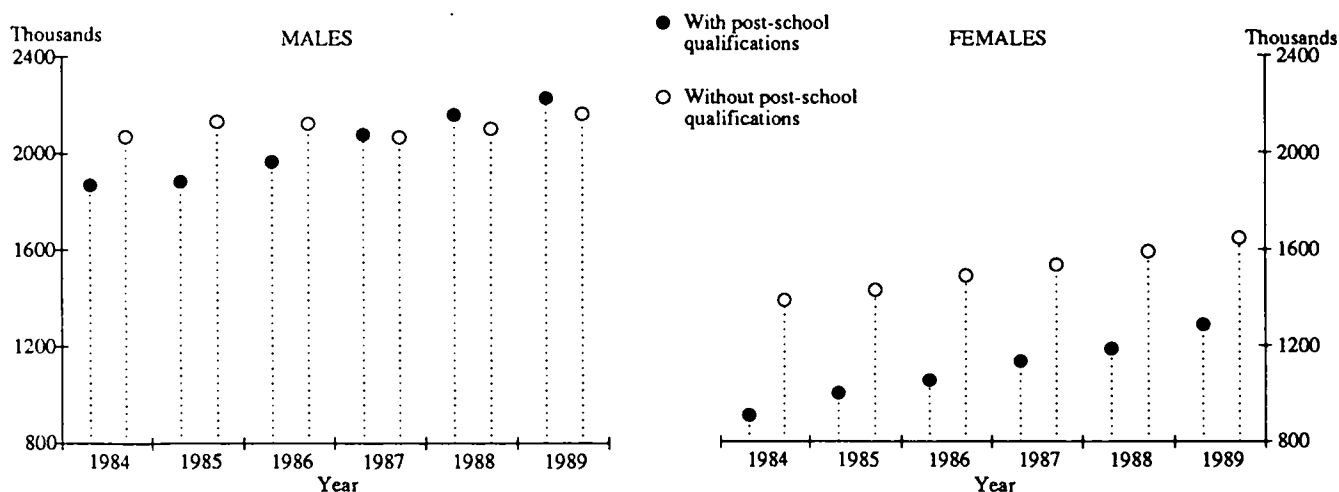
### Educational attainment trends — 1984 to 1989

#### Employment

In 1984, of the total employed, 44 per cent had post-school qualifications. By 1989 this had increased to 47 per cent. The proportion of employed females with post-school qualifications increased from 39 per cent in 1984 to 43 per cent in 1989, and males increased from 47 per cent to 50 per cent over the same period.

Those without post-school qualifications constituted 55 per cent of the total employed in 1984. This proportion had decreased to 51 per cent by 1989.

DIAGRAM 2. EMPLOYED PERSONS: WHETHER HAD OBTAINED POST-SCHOOL QUALIFICATIONS AND GENDER, FEBRUARY 1984 TO FEBRUARY 1989  
(Source of data: Table 1)



### Unemployment

In 1984, of the total unemployed, an estimated 28 per cent had post-school qualifications. In 1989 this figure was again 28 per cent. Females showed an increase from 29 per cent in 1984 to 31 per cent in 1989 while the male figure decreased from 27 per cent to 26 per cent over the same period.

Those without post-school qualifications constituted 68 per cent of the total unemployed in 1984 and had dropped to 65 per cent by 1989.

Of the total unemployed, the estimated number of persons still at school had risen from 4 per cent in 1984 to 6 per cent in 1989.

The unemployment rate for persons with post-school qualifications was 6.9 per cent in February 1984 and 4.5 per cent in February 1989. For persons without post-school qualifications the 1989 unemployment rate was 9.1 per cent, a substantial decrease from the 12.6 per cent recorded in 1984.

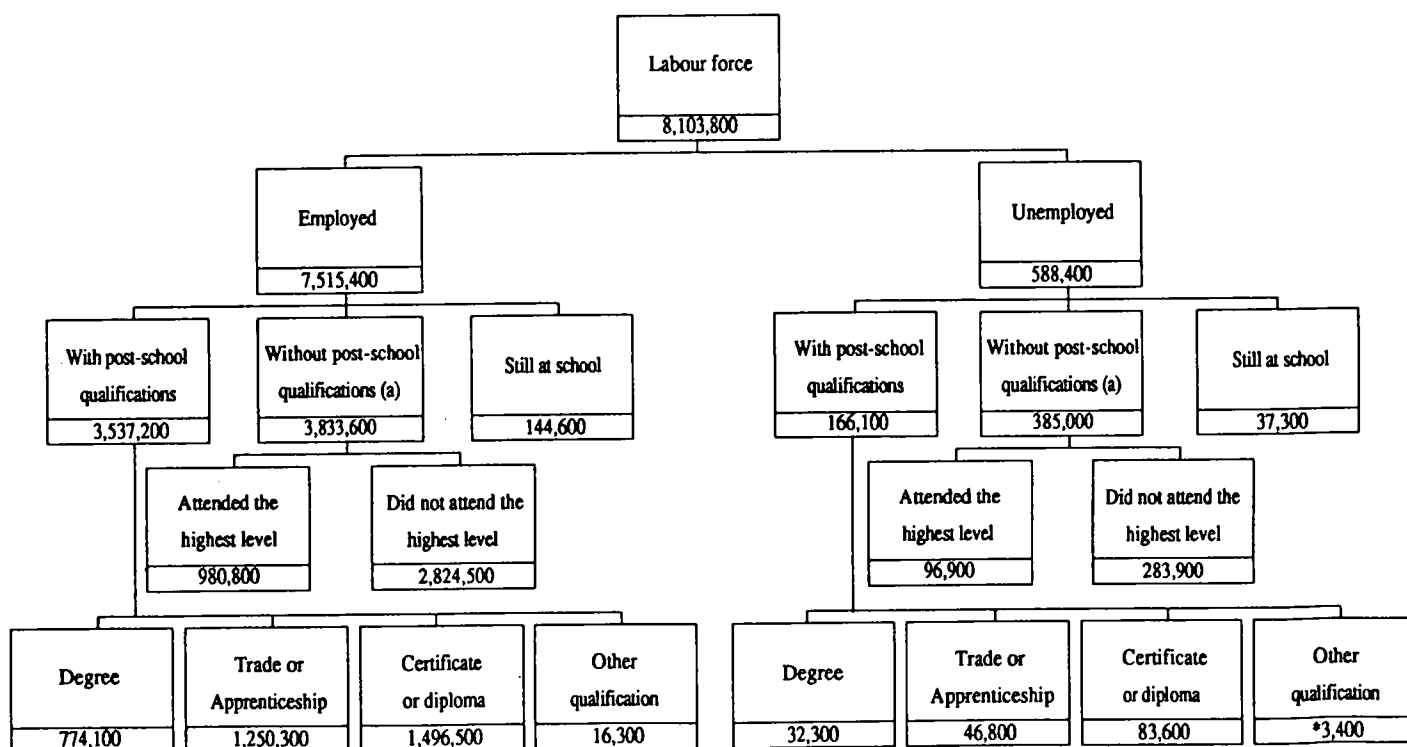
### Participation in the Labour Force

While persons with post-school qualifications reported a participation rate of around 76 per cent for both 1984 and 1989, the female participation rate rose from 61 per cent to 66 per cent. For males the rate dropped from 87 per cent to 84 per cent.

Similar movements occurred for persons without post-school qualifications. The moderate increase for persons (from 56% to 59%) was entirely due to the rise in the female participation rate (40% to 46%). Males recorded a decrease in their participation rate from 76 per cent in 1984 to 75 per cent in 1989.

### February 1989

**DIAGRAM 3. PERSONS IN THE LABOUR FORCE: WHETHER EMPLOYED OR UNEMPLOYED AND EDUCATIONAL ATTAINMENT, FEBRUARY 1989**  
(Source of data: Table 1)

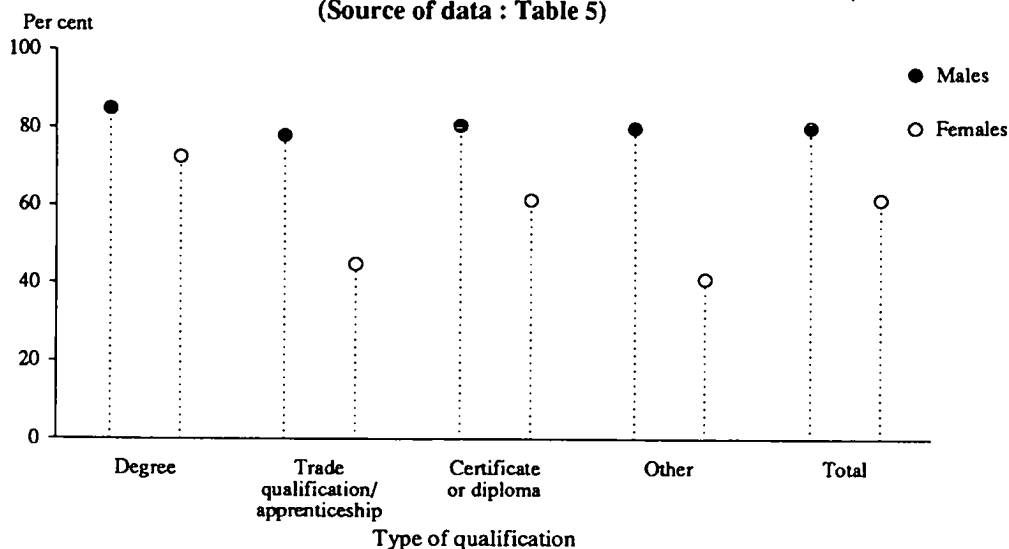


(a) Includes persons who never attended school and those for whom secondary school qualifications could not be determined.

### Employment

Some 73 per cent of persons with a post-school qualification were employed in February 1989 compared with 53 per cent of persons without post-school qualifications. Amongst those without post-school qualifications the highest employment level was 67 per cent for persons who had attended the highest level of schooling available. Of those persons who had left school early aged 16 or over, 65 per cent were employed while only 43 per cent of those who left aged 15 or under were employed. These latter figures are affected by persons aged 65 and over who had a tendency to leave school at an earlier age.

**DIAGRAM 4. PROPORTION OF PERSONS WITH A POST-SCHOOL QUALIFICATION WHO WERE EMPLOYED, TYPE OF QUALIFICATION AND GENDER, FEBRUARY 1989**  
(Source of data : Table 5)



The chances of persons with a degree qualification being employed were greater if their main field of study was Medicine (86%), Administration (85%), Law and Architecture (84%) or Engineering (83%). The lowest proportion of those employed was reported in the field of Social Science studies which was still a relatively high 75 per cent.

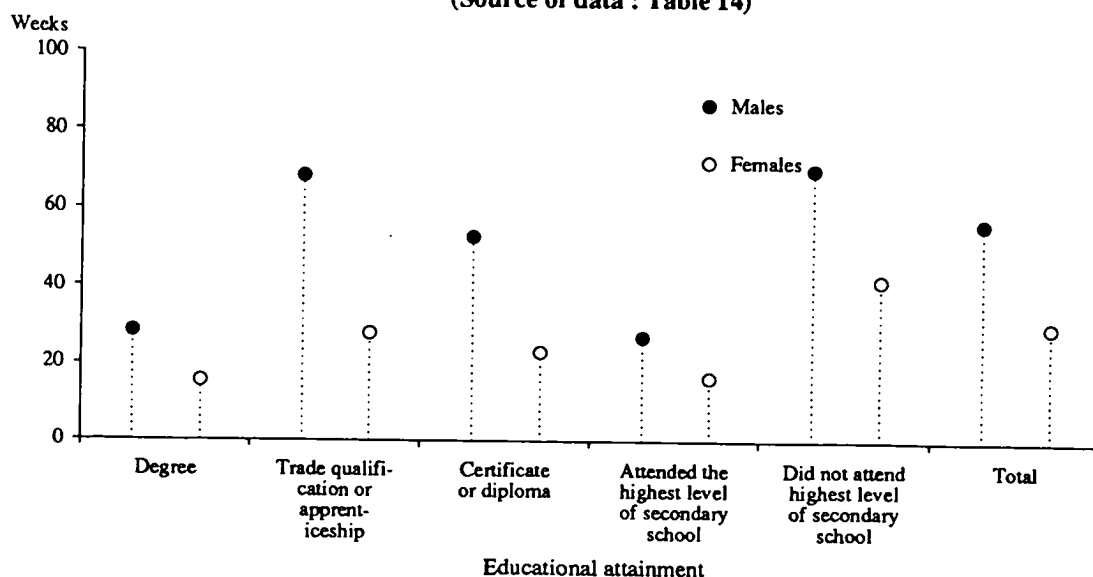
Persons with trade or apprenticeship qualifications in the Automotive and Mechanical field reported an employment level of 83 per cent. Similarly, high employment levels were recorded in the other trades fields with the exception of Service with the estimate of 58 per cent and Footwear, Clothing and Textiles with 36 per cent.

Employment for persons with a certificate or diploma was on average lower than for persons with a degree or a trade qualification. Those fields of study with high ratios of employed were Science with 82 per cent and Secretarial with 59 per cent.

#### Unemployment

Persons without post-school qualifications were twice as likely to be unemployed as were persons with a post-school qualification. Their unemployment rates in February 1989 were 9.1 per cent and 4.5 per cent respectively.

**DIAGRAM 5. UNEMPLOYED PERSONS : AVERAGE DURATION OF CURRENT PERIOD OF UNEMPLOYMENT, EDUCATIONAL ATTAINMENT AND GENDER, FEBRUARY 1989**  
(Source of data : Table 14)



Despite having one of the lowest unemployment rates at 3.6 per cent, unemployed tradespersons spent the longest period looking for work, an estimated 64.3 weeks. Another group which spent on average more than a year looking for work were persons who had not attended the highest level of secondary schooling available (59.1 weeks).

Persons with a degree and those without post-school qualifications but who had attended the highest level of secondary school available averaged less than six months unemployed (at 23.4 weeks and 22.5 weeks respectively).

While males generally had a lower unemployment rate (6.7%) than females (8.1%) the difference in rates was particularly evident among persons with post-school qualifications where the unemployment rate was 3.5 per cent for males and 6.1 per cent for females. Amongst those without post-school qualifications males recorded an unemployment rate of 9.2 per cent and females 9.1 per cent.

#### Persons not in the labour force

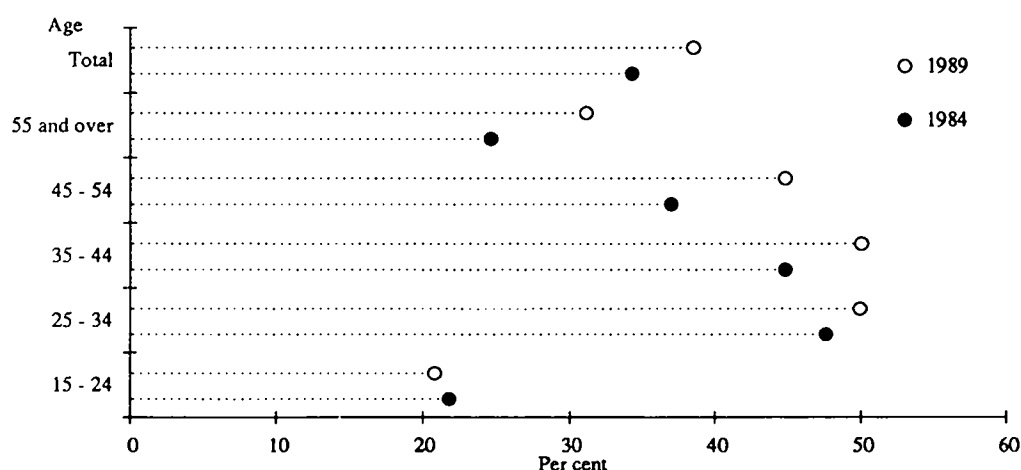
In February 1989 there were 4,514,300 persons not in the labour force. Of this group, 1,149,500 (25%) had post-school qualifications while the remaining 2,978,600 did not.

Of the 3,058,100 females not in the labour force, 23 per cent (700,700) had post-school qualifications, 71 per cent (2,175,500) were without post-school qualifications and 6 per cent (182,000) were still at school. Of the 1,456,100 males in this group 31 per cent (448,800) reported having a post-school qualification, 55 per cent (803,100) were without post-school qualifications and 14 per cent were still at school. Some 67 per cent (1,469,600) of females not in the labour force and without post-school qualifications reported leaving school at age 15 or under.

#### Age

It is difficult to make comparisons between all age groups in regard to the level of post-school qualifications since large numbers of persons in the 15-19 and 20-24 age groups are in the process of obtaining their post-school qualification or are still at school. However, there is a trend towards more post-school education evident, with approximately 50 per cent of persons in the 25-34 and 35-44 age groups attaining post-school qualifications compared to 45 per cent of 45-54 year olds and 31 per cent of persons aged 55 or more. This trend is more evident amongst females with only 22 per cent of women over the age of 55 reporting a post-school qualification in comparison to 35 per cent of 45-54 year olds, 42 per cent of 35-44 year olds and 46 per cent of 25-34 year olds.

**DIAGRAM 6. PERSONS WITH A POST-SCHOOL QUALIFICATION BY AGE,  
FEBRUARY 1984 AND FEBRUARY 1989**  
(Source of data : Table 2)



#### Family Status

Of the estimated 7,521,900 married persons at February 1989, 4,181,200 (56%) did not have a post-school qualification. Some 2,043,300 (27%) had left school early at age 14 or 15 years and a further 999,300 (13%) left at age 16 or more having not attended the highest level of school available.

There were 3,895,600 married persons who were responsible for dependents and 1,918,900 (49%) of these had post-school qualifications. There were 3,626,300 married persons with no dependents of whom 1,421,700 (39%) had post-school qualifications.

Not married heads of families numbered 583,200 persons, 32 per cent of whom had post-school qualifications. Some 64 per cent of those qualifications were certificates or diplomas.



## Industry

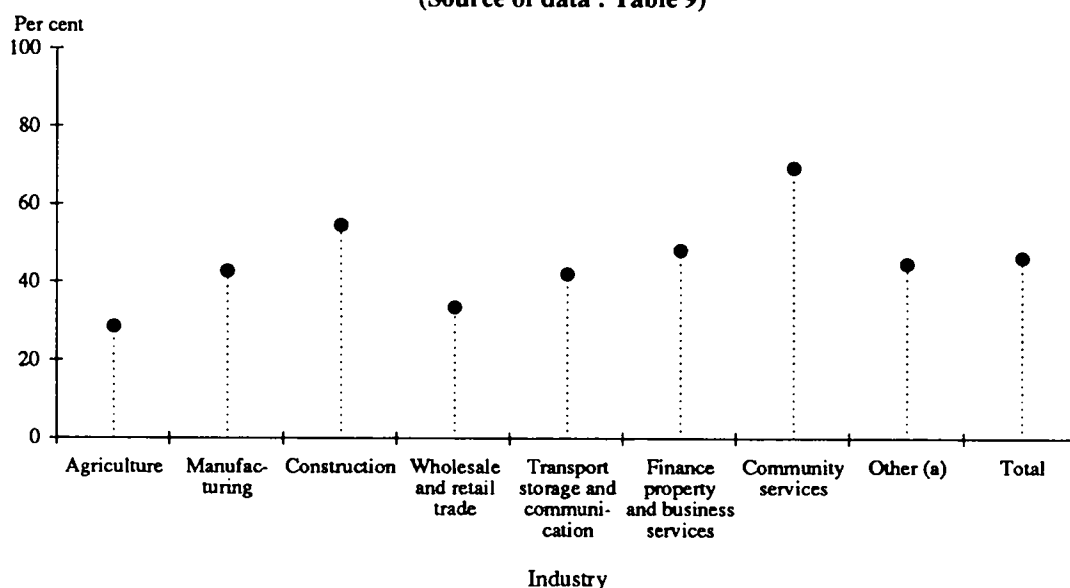
In February 1989, there were 774,100 employed persons with a degree qualification. The Community Services industry employed some 43 per cent of these persons followed by Finance, Property and Business Services with 18 per cent.

The Manufacturing industry employed 25 per cent of the 1,250,300 persons with trade qualifications, followed by the Construction and Wholesale and Retail Trade industries each with 20 per cent of the total.

Some 33 per cent of all employed persons with a certificate or diploma (1,496,500) were employed in the Community Services industry.

Overall, the Community Services industry (1,291,800 persons) had the highest ratio of employees with a post-school qualification at 70 per cent, and the lowest was Agriculture, Forestry, Fishing and Hunting (422,600 persons) with 29 per cent.

**DIAGRAM 7. PROPORTION OF EMPLOYED PERSONS WITH A POST-SCHOOL QUALIFICATION BY SELECTED INDUSTRIES, FEBRUARY 1989**  
(Source of data : Table 9)



(a) Includes Mining; Electricity, gas and water; Public administration and defence; and Recreational, personal and other services.

## Occupation

Of the 774,100 persons with a degree, 66 per cent were classified as Professionals. Of the 1,250,300 persons with a trade qualification, 53 per cent were classified as Tradespersons. Of persons with a certificate or diploma, there was a spread across all occupations from the 26 per cent who were Clerks to the 4 per cent Plant and Machine Operators and Drivers.

The occupation group with the highest ratio of persons with a post-school qualification was Professionals where 89 per cent of the total (907,100) had attained a post-school qualification; of those, 513,800 had degrees.

TABLE 1. ALL PERSONS : LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1984 TO FEBRUARY 1989  
(<sup>'000</sup>)

	1984	1985	1986 r	1987(a) r	1988(a) r	1989(a)
<b>MALES</b>						
<i>Employed</i>	4,000.3	4,072.5	4,150.9	4,217.5	4,333.5	4,479.3
With post-school qualifications	1,881.2	1,894.1	1,976.9	2,087.3	2,170.3	2,241.1
Degree	425.1	435.6	454.2	456.7	494.0	506.0
Trade qualification or apprenticeship	}	1,410.0	1,478.6	{	1,125.8	1,148.9
Certificate or diploma						
Other						
	31.2	48.5	44.0	10.0	6.9	6.7
Without post-school qualifications(b)	2,081.3	2,142.7	2,133.9	2,077.5	2,113.4	2,176.5
Attended highest level of secondary school available	454.3	505.4	499.5	514.9	545.6	551.4
Did not attend highest level of secondary school available	1,618.9	1,631.7	1,629.0	1,549.5	1,546.0	1,609.7
Left at age--						
16 and over	544.5	573.4	587.1	590.9	599.3	669.7
15 and under	1,074.4	1,058.3	1,041.9	958.6	946.7	940.1
Still at school	37.8	35.7	40.1	52.7	49.8	61.7
<i>Unemployed</i>	435.8	390.4	359.2	387.8	349.7	320.2
With post-school qualifications	118.6	94.4	86.9	95.7	92.3	82.5
Degree	18.9	12.5	12.9	14.3	13.1	18.0
Trade qualification or apprenticeship	}	77.7	68.4	{	58.5	55.3
Certificate or diploma						
Other						
	*2.9	*4.2	5.6	*1.2	*1.3	*0.7
Without post-school qualifications(b)	301.6	284.0	255.3	274.1	238.9	219.8
Attended highest level of secondary school available	60.6	60.3	54.1	60.2	50.0	48.7
Did not attend highest level of secondary school available	238.5	223.0	200.6	211.8	186.1	168.8
Left at age--						
16 and over	89.0	79.3	67.3	81.1	76.6	65.6
15 and under	149.5	143.7	133.2	130.7	109.6	103.2
Still at school	15.6	12.0	16.9	18.0	18.6	17.9
<i>Labour force</i>	4,436.2	4,462.9	4,510.1	4,605.3	4,683.2	4,799.4
With post-school qualifications	1,999.8	1,988.5	2,063.8	2,183.1	2,262.6	2,323.6
Degree	444.1	448.0	467.1	471.0	507.1	524.0
Trade qualification or apprenticeship	}	1,487.7	1,547.1	{	1,184.3	1,204.2
Certificate or diploma						
Other						
	34.1	52.8	49.6	11.2	8.2	7.5
Without post-school qualifications(b)	2,382.9	2,426.7	2,389.2	2,351.6	2,352.2	2,396.3
Attended highest level of secondary school available	514.9	565.7	553.6	575.1	595.6	600.1
Did not attend highest level of secondary school available	1,857.5	1,854.7	1,829.5	1,761.3	1,732.1	1,778.6
Left at age--						
16 and over	633.6	652.7	654.4	672.0	675.9	735.3
15 and under	1,223.9	1,202.0	1,175.1	1,089.3	1,056.3	1,043.3
Still at school	53.5	47.7	57.0	70.6	68.4	79.6
<i>Not in labour force</i>	1,237.5	1,309.5	1,327.9	1,397.1	1,457.6	1,456.1
With post-school qualifications	297.4	320.0	337.7	411.9	430.7	448.8
Degree	49.0	57.0	53.0	56.8	57.9	67.6
Trade qualification or apprenticeship	}	256.2	277.3	{	264.8	273.2
Certificate or diploma						
Other						
	*4.1	6.8	7.4	*1.8	*1.0	*0.9
Without post-school qualifications(b)	754.2	803.0	796.5	772.2	807.9	803.1
Attended highest level of secondary school available	103.7	107.3	121.5	109.6	123.2	130.8
Did not attend highest level of secondary school available	642.0	681.8	664.4	647.8	670.0	658.1
Left at age--						
16 and over	72.2	83.7	92.4	89.9	102.9	96.9
15 and under	569.8	598.1	572.1	557.8	567.1	561.1
Still at school	185.9	186.5	193.7	212.9	219.0	204.2
<i>All males</i>	5,673.7	5,772.4	5,838.0	6,002.3	6,140.8	6,255.6
With post-school qualifications	2,297.2	2,308.5	2,401.5	2,594.9	2,693.3	2,772.4
Degree	493.1	505.1	520.1	527.8	565.0	591.6
Trade qualification or apprenticeship	}	1,743.9	1,824.4	{	1,449.0	1,477.3
Certificate or diploma						
Other						
	38.2	59.5	57.0	13.0	9.2	8.3
Without post-school qualifications(b)	3,137.1	3,229.7	3,185.8	3,123.8	3,160.1	3,199.5
Attended highest level of secondary school available	618.6	673.1	675.1	684.7	718.9	730.9
Did not attend highest level of secondary school available	2,499.5	2,536.5	2,494.0	2,409.1	2,402.2	2,436.6
Left at age--						
16 and over	705.7	736.3	746.8	762.0	778.8	832.2
15 and under	1,793.7	1,800.1	1,747.2	1,647.1	1,623.4	1,604.4
Still at school	239.5	234.2	250.7	283.6	287.4	283.7

For footnotes see end of table.

TABLE 1. ALL PERSONS : LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1984 TO FEBRUARY 1989- —continued  
(’000)

	1984	1985	1986 r	1987(a) r	1988(a) r	1989(a)
<b>FEMALES</b>						
<i>Employed</i>	2,365.7	2,503.7	2,629.1	2,755.7	2,865.6	3,036.1
With post-school qualifications	918.8	1,011.8	1,066.5	1,143.8	1,194.4	1,296.1
Degree	184.3	227.2	236.4	230.1	244.9	268.1
Trade qualification or apprenticeship	} 704.1	742.8	785.7	{ 87.8	82.0	88.8
Certificate or diploma						
Other						
	30.4	41.8	44.5	15.4	12.3	9.6
Without post-school qualifications(b)	1,399.2	1,442.3	1,501.5	1,546.2	1,600.7	1,657.1
Attended highest level of secondary school available	333.3	327.9	351.2	369.0	386.0	429.3
Did not attend highest level of secondary school available	1,061.5	1,113.3	1,146.6	1,163.1	1,200.1	1,214.8
Left at age--						
16 and over	387.0	426.8	464.6	465.1	502.5	519.7
15 and under	674.5	686.5	682.0	698.0	697.6	695.1
Still at school	47.7	49.6	61.1	65.6	70.5	82.9
<i>Unemployed</i>	301.9	283.2	290.9	299.5	283.8	268.2
With post-school qualifications	88.5	70.6	82.2	82.4	89.7	83.6
Degree	14.2	11.2	15.0	11.0	14.1	14.2
Trade qualification or apprenticeship	} 71.1	53.7	59.9	{ 5.7	6.6	5.3
Certificate or diploma						
Other						
	*3.2	5.7	7.3	*2.0	*2.0	*2.7
Without post-school qualifications(b)	198.0	192.8	189.5	193.9	172.4	165.2
Attended highest level of secondary school available	41.4	41.2	43.7	48.9	47.5	48.3
Did not attend highest level of secondary school available	156.1	151.7	144.4	143.3	122.2	115.1
Left at age--						
16 and over	62.6	65.9	63.4	61.9	53.5	52.7
15 and under	93.5	85.8	81.0	81.4	68.7	62.5
Still at school	15.4	19.8	19.1	23.3	21.7	19.4
<i>Labour force</i>	2,667.6	2,787.0	2,920.0	3,055.2	3,149.4	3,304.4
With post-school qualifications	1,007.2	1,082.4	1,148.8	1,226.2	1,284.1	1,379.7
Degree	198.5	238.4	251.4	241.1	259.0	282.4
Trade qualification or apprenticeship	} 775.2	796.5	845.6	{ 93.4	88.6	94.2
Certificate or diploma						
Other						
	33.5	47.5	51.8	17.4	14.3	12.3
Without post-school qualifications(b)	1,597.3	1,635.2	1,691.1	1,740.1	1,773.1	1,822.3
Attended highest level of secondary school available	374.7	369.1	394.8	417.9	433.5	477.6
Did not attend highest level of secondary school available	1,217.6	1,264.9	1,291.0	1,306.5	1,322.3	1,329.9
Left at age--						
16 and over	449.5	492.7	528.0	527.0	556.0	572.4
15 and under	768.1	772.2	763.0	779.5	766.3	757.5
Still at school	63.1	69.4	80.2	88.8	92.2	102.3
<i>Not in labour force</i>	3,147.1	3,136.7	3,041.9	3,066.8	3,105.5	3,058.1
With post-school qualifications	632.7	584.6	591.3	647.6	653.4	700.7
Degree	71.9	73.0	82.7	75.2	73.0	83.6
Trade qualification or apprenticeship	} 532.9	482.4	473.7	{ 86.1	89.6	101.0
Certificate or diploma						
Other						
	27.9	29.2	34.9	12.5	14.6	10.8
Without post-school qualifications(b)	2,350.5	2,386.6	2,280.1	2,235.4	2,245.5	2,175.5
Attended highest level of secondary school available	281.8	286.7	267.2	266.0	270.4	257.4
Did not attend highest level of secondary school available	2,043.6	2,070.0	1,989.6	1,935.2	1,943.3	1,881.9
Left at age--						
16 and over	417.5	436.4	414.5	409.8	415.7	412.3
15 and under	1,626.1	1,633.6	1,575.1	1,525.1	1,527.6	1,469.6
Still at school	163.9	165.5	170.5	183.7	206.7	182.0
<i>All females</i>	5,814.7	5,923.7	5,961.9	6,121.9	6,255.0	6,362.5
With post-school qualifications	1,640.0	1,667.0	1,740.1	1,873.9	1,937.5	2,080.4
Degree	270.4	311.4	334.0	316.4	332.0	366.0
Trade qualification or apprenticeship	} 1,308.1	1,278.8	1,319.3	{ 179.6	178.2	195.2
Certificate or diploma						
Other						
	61.4	76.8	86.7	29.9	28.9	23.0
Without post-school qualifications(b)	3,947.7	4,021.8	3,971.1	3,975.6	4,018.6	3,997.8
Attended highest level of secondary school available	656.5	655.7	662.0	683.9	703.9	735.0
Did not attend highest level of secondary school available	3,261.1	3,335.0	3,280.6	3,241.7	3,265.6	3,211.8
Left at age--						
16 and over	867.0	929.2	942.4	936.8	971.8	984.7
15 and under	2,394.1	2,405.8	2,338.1	2,304.5	2,293.8	2,227.2
Still at school	227.0	234.9	250.7	272.5	298.9	284.3

For footnotes see end of table.

TABLE 1. ALL PERSONS : LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT,  
FEBRUARY 1984 TO FEBRUARY 1989. —continued  
(\*000)

	1984	1985	1986 r	1987(a) r	1988(a) r	1989(a)
PERSONS						
<i>Employed</i>	6,366.0	6,576.3	6,780.0	6,973.2	7,199.1	7,515.4
With post-school qualifications	2,800.0	2,905.9	3,043.4	3,231.2	3,364.7	3,537.2
Degree	609.4	662.8	690.6	686.8	738.9	774.1
Trade qualification or apprenticeship	} 2,129.0	2,152.8	2,264.3	{ 1,213.5	1,230.9	1,250.3
Certificate or diploma						
Other						
Without post-school qualifications(b)	61.6	90.3	88.5	25.3	19.2	16.3
Attended highest level of secondary school available	3,480.5	3,585.0	3,635.4	3,623.8	3,714.1	3,833.6
Did not attend highest level of secondary school available	787.6	833.3	850.6	883.9	931.7	980.8
Left at age--	2,680.4	2,745.0	2,775.6	2,712.6	2,746.1	2,824.5
16 and over	931.5	1,000.2	1,051.7	1,056.0	1,101.8	1,189.4
15 and under	1,748.9	1,744.8	1,723.9	1,656.6	1,644.3	1,635.1
Still at school	85.5	85.3	101.2	118.2	120.3	144.6
<i>Unemployed</i>	737.8	673.6	650.1	687.3	633.6	588.4
With post-school qualifications	207.1	165.0	169.2	178.1	182.0	166.1
Degree	33.1	23.7	27.9	25.4	27.2	32.3
Trade qualification or apprenticeship	} 167.8	131.4	128.4	{ 64.2	61.9	46.8
Certificate or diploma						
Other						
Without post-school qualifications(b)	6.2	9.9	12.9	*3.2	*3.3	*3.4
Attended highest level of secondary school available	499.6	476.8	444.9	468.0	411.3	385.0
Did not attend highest level of secondary school available	102.0	101.5	97.8	109.1	97.5	96.9
Left at age--	394.6	374.7	345.0	355.2	308.4	283.9
16 and over	151.6	145.2	130.7	143.0	130.1	118.3
15 and under	243.0	229.5	214.2	212.2	178.2	165.7
Still at school	31.0	31.8	36.0	41.2	40.3	37.3
<i>Labour force</i>	7,103.8	7,249.9	7,430.1	7,660.4	7,832.6	8,103.8
With post-school qualifications	3,007.0	3,070.9	3,212.6	3,409.3	3,546.7	3,703.3
Degree	642.6	686.4	718.5	712.1	766.1	806.4
Trade qualification or apprenticeship	} 2,296.8	2,284.2	2,392.6	{ 1,277.7	1,292.8	1,297.1
Certificate or diploma						
Other						
Without post-school qualifications(b)	67.6	100.3	101.5	28.6	22.5	19.7
Attended highest level of secondary school available	3,980.2	4,061.9	4,080.3	4,091.7	4,125.3	4,218.6
Did not attend highest level of secondary school available	889.6	934.8	948.4	993.0	1,029.2	1,077.7
Left at age--	3,075.0	3,119.6	3,120.5	3,067.8	3,054.4	3,108.5
16 and over	1,083.1	1,145.4	1,182.4	1,199.0	1,231.9	1,307.7
15 and under	1,992.0	1,974.2	1,938.1	1,868.8	1,822.5	1,800.8
Still at school	116.6	117.1	137.2	159.4	160.6	181.9
<i>Not in labour force</i>	4,384.7	4,446.2	4,369.8	4,463.8	4,563.1	4,514.3
With post-school qualifications	930.1	904.6	929.0	1,059.5	1,084.1	1,149.5
Degree	120.9	130.0	135.7	132.0	130.9	151.2
Trade qualification or apprenticeship	} 777.2	738.6	751.1	{ 350.9	362.8	373.5
Certificate or diploma						
Other						
Without post-school qualifications(b)	32.0	36.0	42.3	14.3	15.6	11.6
Attended highest level of secondary school available	3,104.7	3,189.6	3,076.6	3,007.7	3,053.3	2,978.6
Did not attend highest level of secondary school available	385.5	394.0	388.6	375.6	393.6	388.2
Left at age--	2,685.6	2,751.8	2,654.0	2,583.0	2,613.4	2,540.0
16 and over	489.7	520.1	506.8	499.8	518.7	509.2
15 and under	2,195.9	2,231.7	2,147.2	2,082.9	2,094.7	2,030.8
Still at school	349.8	352.0	364.2	396.7	425.7	386.2
<i>All persons</i>	11,488.4	11,696.1	11,799.9	12,124.3	12,395.7	12,618.1
With post-school qualifications	3,937.1	3,975.5	4,141.6	4,468.8	4,630.8	4,852.8
Degree	763.5	816.4	854.1	844.1	897.0	957.6
Trade qualification or apprenticeship	} 3,074.0	3,022.8	3,143.7	{ 1,628.6	1,655.6	1,670.7
Certificate or diploma						
Other						
Without post-school qualifications(b)	99.6	136.3	143.7	42.9	38.1	31.4
Attended highest level of secondary school available	7,084.8	7,251.5	7,156.9	7,099.4	7,178.7	7,197.2
Did not attend highest level of secondary school available	1,275.1	1,328.8	1,337.1	1,368.6	1,422.8	1,465.9
Left at age--	5,760.6	5,871.4	5,774.5	5,650.8	5,667.8	5,648.5
16 and over	1,572.7	1,665.5	1,689.2	1,698.8	1,750.6	1,816.9
15 and under	4,187.8	4,205.9	4,085.3	3,951.7	3,917.2	3,831.6
Still at school	466.5	469.2	501.4	556.1	586.3	568.1

(a) Prior to February 1987 the data now published in the Educational Attainment categories "Trade qualification or apprenticeship" and "Certificate or diploma" were published as "Trade, technical or other certificate". See paragraph 14 of Appendix B. (b) Includes persons who never attended school and those for whom secondary school qualifications could not be determined.

TABLE 2. ALL PERSONS : AGE AND EDUCATIONAL ATTAINMENT, FEBRUARY 1984 TO FEBRUARY 1989  
(\*000)

	1984	1985	1986 r	1987(a) r	1988(a) r	1989(a)
<b>MALES</b>						
<b>15 - 24</b>	<b>1,294.8</b>	<b>1,300.5</b>	<b>1,314.5</b>	<b>1,327.8</b>	<b>1,347.1</b>	<b>1,357.5</b>
With post-school qualifications	270.8	269.1	279.8	254.1	261.7	255.6
Degree	41.0	41.8	34.6	44.2	36.7	44.2
Trade qualification or apprenticeship	}	}	}	{	{	{
Certificate or diploma						
Other						
Without post-school qualifications(b)	784.5	797.1	784.1	790.1	798.0	818.1
Attended highest level of secondary school available	250.5	278.6	286.0	294.0	314.6	319.6
Did not attend highest level of secondary school available	533.5	518.3	497.6	494.3	481.5	496.2
Still at school	239.5	234.2	250.7	283.6	287.4	283.7
<b>25 - 34</b>	<b>1,246.8</b>	<b>1,258.5</b>	<b>1,259.6</b>	<b>1,286.5</b>	<b>1,317.4</b>	<b>1,345.5</b>
With post-school qualifications	658.9	656.9	661.0	690.6	733.7	729.7
Degree	177.5	168.2	169.7	173.6	192.4	182.0
Trade qualification or apprenticeship	}	}	}	{	{	{
Certificate or diploma						
Other						
Without post-school qualifications(b)	587.9	601.7	598.6	596.0	583.7	615.9
Attended highest level of secondary school available	165.9	170.0	165.3	183.0	177.0	171.0
Did not attend highest level of secondary school available	419.7	429.7	431.4	409.3	401.6	439.0
<b>35 - 44</b>	<b>1,016.2</b>	<b>1,083.2</b>	<b>1,116.2</b>	<b>1,164.0</b>	<b>1,204.4</b>	<b>1,235.8</b>
With post-school qualifications	544.7	582.6	603.6	655.1	677.3	715.4
Degree	132.8	145.3	155.4	156.2	171.3	184.4
Trade qualification or apprenticeship	}	}	}	{	{	{
Certificate or diploma						
Other						
Without post-school qualifications(b)	471.5	500.6	512.7	508.9	527.1	520.4
Attended highest level of secondary school available	80.8	93.0	93.3	95.3	105.2	113.0
Did not attend highest level of secondary school available	388.0	403.9	417.8	408.4	414.9	403.9
<b>45 - 54</b>	<b>800.2</b>	<b>779.4</b>	<b>785.1</b>	<b>813.9</b>	<b>838.1</b>	<b>868.1</b>
With post-school qualifications	376.9	354.9	383.2	423.9	437.2	473.9
Degree	62.8	71.2	78.8	70.3	81.5	91.5
Trade qualification or apprenticeship	}	}	}	{	{	{
Certificate or diploma						
Other						
Without post-school qualifications(b)	423.3	424.6	402.0	389.9	400.9	394.3
Attended highest level of secondary school available	43.9	46.6	48.3	41.2	45.9	49.2
Did not attend highest level of secondary school available	374.8	374.3	349.9	343.3	345.3	340.6
<b>55 and over</b>	<b>1,315.8</b>	<b>1,350.7</b>	<b>1,362.2</b>	<b>1,410.1</b>	<b>1,433.9</b>	<b>1,448.7</b>
With post-school qualifications	445.8	445.0	474.0	571.2	583.4	597.9
Degree	78.9	78.7	81.6	83.5	83.1	89.5
Trade qualification or apprenticeship	}	}	}	{	{	{
Certificate or diploma						
Other						
Without post-school qualifications(b)	870.0	905.7	888.5	838.9	850.5	850.8
Attended highest level of secondary school available	77.6	85.0	82.2	71.3	76.2	78.1
Did not attend highest level of secondary school available	783.4	810.3	797.3	753.8	758.8	756.9
<b>All males</b>	<b>5,673.7</b>	<b>5,772.4</b>	<b>5,838.0</b>	<b>6,002.3</b>	<b>6,140.8</b>	<b>6,255.6</b>
With post-school qualifications	2,297.2	2,308.5	2,401.5	2,594.9	2,693.3	2,772.4
Degree	493.1	505.1	520.1	527.8	565.0	591.6
Trade qualification or apprenticeship	}	}	}	{	{	{
Certificate or diploma						
Other						
Without post-school qualifications(b)	3,137.1	3,229.7	3,185.8	3,123.8	3,160.1	3,199.5
Attended highest level of secondary school available	618.6	673.1	675.1	684.7	718.9	730.9
Did not attend highest level of secondary school available	2499.5	2,536.5	2,494.0	2,409.1	2,402.2	2,436.6
Still at school	239.5	234.2	250.7	283.6	287.4	283.7

For footnotes see end of table.

TABLE 2. ALL PERSONS : AGE AND EDUCATIONAL ATTAINMENT, FEBRUARY 1984 TO FEBRUARY 1989. —continued  
(‘000)

	1984	1985	1986 r	1987(a) r	1988(a) r	1989(a)
<b>FEMALES</b>						
<b>15 - 24</b>	<b>1,284.7</b>	<b>1,286.6</b>	<b>1,284.1</b>	<b>1,302.6</b>	<b>1,312.8</b>	<b>1,320.4</b>
With post-school qualifications	292.5	291.8	297.2	285.9	298.5	300.2
Degree	36.3	42.5	44.6	40.8	41.8	42.5
Trade qualification or apprenticeship	}	231.5	236.1	{	23.7	27.0
Certificate or diploma						
Other						
Without post-school qualifications (b)	765.1	759.8	736.2	744.2	715.3	735.9
Attended highest level of secondary school available	252.3	257.0	264.0	283.6	287.6	321.2
Did not attend highest level of secondary school available	511.0	502.3	471.0	458.2	425.7	412.6
Still at school	227.0	234.9	250.7	272.5	298.9	284.3
<b>25 - 34</b>	<b>1,248.3</b>	<b>1,263.3</b>	<b>1,264.7</b>	<b>1,303.5</b>	<b>1,326.1</b>	<b>1,351.7</b>
With post-school qualifications	527.7	524.7	539.5	571.9	598.2	616.8
Degree	119.0	130.3	138.8	129.5	143.0	143.9
Trade qualification or apprenticeship	}	374.9	380.6	{	37.8	34.0
Certificate or diploma						
Other						
Without post-school qualifications (b)	720.6	738.6	725.2	731.6	727.9	734.9
Attended highest level of secondary school available	135.5	145.1	152.0	158.0	154.9	156.3
Did not attend highest level of secondary school available	582.3	591.4	571.7	567.3	567.8	572.3
<b>35 - 44</b>	<b>1,043.8</b>	<b>1,059.1</b>	<b>1,095.2</b>	<b>1,140.4</b>	<b>1,183.5</b>	<b>1,221.9</b>
With post-school qualifications	378.3	388.5	414.0	450.3	468.6	514.3
Degree	65.4	75.9	82.9	85.4	88.3	110.7
Trade qualification or apprenticeship	}	293.4	308.7	{	42.7	37.1
Certificate or diploma						
Other						
Without post-school qualifications (b)	665.5	670.5	681.3	690.1	714.9	707.6
Attended highest level of secondary school available	85.7	83.4	86.1	89.5	101.7	103.1
Did not attend highest level of secondary school available	576.1	584.9	591.7	592.1	604.8	598.0
<b>45 - 54</b>	<b>753.9</b>	<b>749.4</b>	<b>753.3</b>	<b>775.5</b>	<b>798.8</b>	<b>826.9</b>
With post-school qualifications	197.4	202.0	216.3	239.2	238.2	285.5
Degree	21.9	32.1	32.8	32.6	30.2	39.0
Trade qualification or apprenticeship	}	160.5	172.9	{	28.1	22.1
Certificate or diploma						
Other						
Without post-school qualifications (b)	556.5	547.4	537.0	536.4	560.7	541.4
Attended highest level of secondary school available	59.7	52.2	50.6	49.8	51.1	53.9
Did not attend highest level of secondary school available	492.1	489.8	481.4	476.4	502.0	478.3
<b>55 and over</b>	<b>1,484.1</b>	<b>1,565.3</b>	<b>1,564.5</b>	<b>1,600.0</b>	<b>1,633.7</b>	<b>1,641.6</b>
With post-school qualifications	244.1	259.9	273.0	326.6	334.1	363.7
Degree	27.8	30.5	34.9	28.1	28.7	29.8
Trade qualification or apprenticeship	}	218.5	221.1	{	47.3	58.0
Certificate or diploma						
Other						
Without post-school qualifications (b)	1,240.0	1,305.3	1,291.5	1,273.3	1,299.7	1,277.9
Attended highest level of secondary school available	123.4	118.0	109.3	103.0	108.7	100.5
Did not attend highest level of secondary school available	1,099.6	1,166.5	1,164.8	1,147.7	1,165.3	1,150.7
<b>All females</b>	<b>5,814.7</b>	<b>5,923.7</b>	<b>5,961.9</b>	<b>6,121.9</b>	<b>6,255.0</b>	<b>6,362.5</b>
With post-school qualifications	1,640.0	1,667.0	1,740.1	1,873.9	1,937.5	2,080.4
Degree	270.4	311.4	334.0	316.4	332.0	366.0
Trade qualification or apprenticeship	}	1,278.8	1,319.3	{	179.6	178.2
Certificate or diploma						
Other						
Without post-school qualifications (b)	3,947.7	4,021.8	3,971.1	3,975.6	4,018.6	3,997.8
Attended highest level of secondary school available	656.5	655.7	662.0	683.9	703.9	735.0
Did not attend highest level of secondary school available	3,261.1	3,335.0	3,280.6	3,241.7	3,265.6	3,211.8
Still at school	227.0	234.9	250.7	272.5	298.9	284.3

For footnotes see end of table.

TABLE 2. ALL PERSONS : AGE AND EDUCATIONAL ATTAINMENT, FEBRUARY 1984 TO FEBRUARY 1989- —continued  
(<sup>000</sup>)

	1984	1985	1986 r	1987(a) r	1988(a) r	1989(a)
PERSONS						
15 - 24	2,579.4	2,587.1	2,598.6	2,630.4	2,659.8	2,677.9
With post-school qualifications	563.4	561.0	577.0	540.0	560.2	555.8
Degree	77.3	84.3	79.2	85.0	78.6	86.7
Trade qualification or apprenticeship	}	464.1	447.6	{	179.5	187.0
Certificate or diploma						
Other						
Without post-school qualifications(b)	1,549.6	1,557.0	1,520.2	1,534.3	1,513.3	1,554.0
Attended highest level of secondary school available	502.8	535.6	550.0	577.6	602.2	640.7
Did not attend highest level of secondary school available	1,044.5	1,020.6	968.6	952.4	907.2	908.8
Still at school	466.5	469.2	501.4	556.1	586.3	568.1
25 - 34	2,495.0	2,521.9	2,524.3	2,590.0	2,643.5	2,697.3
With post-school qualifications	1,186.6	1,181.6	1,200.5	1,262.4	1,331.9	1,346.5
Degree	296.5	298.5	308.5	303.1	335.4	325.9
Trade qualification or apprenticeship	}	866.1	845.2	{	400.7	416.4
Certificate or diploma						
Other						
Without post-school qualifications(b)	1,308.5	1,340.3	1,323.8	1,327.6	1,311.6	1,350.8
Attended highest level of secondary school available	301.4	315.1	317.3	341.0	331.8	327.2
Did not attend highest level of secondary school available	1,002.0	1,021.1	1,003.1	976.6	969.4	1,011.2
35 - 44	2,060.0	2,142.3	2,211.5	2,304.4	2,387.9	2,457.7
With post-school qualifications	923.0	971.2	1,017.6	1,105.4	1,145.9	1,229.6
Degree	198.2	221.2	238.2	241.6	259.6	295.2
Trade qualification or apprenticeship	}	703.1	717.3	{	370.8	370.4
Certificate or diploma						
Other						
Without post-school qualifications(b)	1,137.0	1,171.2	1,193.9	1,199.0	1,242.0	1,228.0
Attended highest level of secondary school available	166.5	176.4	179.4	184.8	206.9	216.1
Did not attend highest level of secondary school available	964.2	988.8	1,009.5	1,000.5	1,019.7	1,001.9
45 - 54	1,554.1	1,528.9	1,538.5	1,589.4	1,636.9	1,695.0
With post-school qualifications	574.3	556.9	599.5	663.1	675.4	759.3
Degree	84.7	103.3	111.7	102.8	111.7	130.5
Trade qualification or apprenticeship	}	472.2	436.6	{	279.9	264.3
Certificate or diploma						
Other						
Without post-school qualifications(b)	979.8	972.0	939.0	926.3	961.5	935.7
Attended highest level of secondary school available	103.5	98.7	98.9	90.9	96.9	103.1
Did not attend highest level of secondary school available	866.9	864.0	831.3	819.8	847.4	818.9
55 and over	2,799.9	2,916.0	2,927.0	3,010.1	3,067.6	3,090.3
With post-school qualifications	689.8	704.9	747.0	897.8	917.4	961.6
Degree	106.7	109.2	116.6	111.6	111.7	119.3
Trade qualification or apprenticeship	}	568.5	576.0	{	397.7	417.4
Certificate or diploma						
Other						
Without post-school qualifications(b)	2,110.0	2,211.0	2,180.0	2,112.3	2,150.2	2,128.7
Attended highest level of secondary school available	201.0	203.0	191.5	174.3	185.0	178.6
Did not attend highest level of secondary school available	1,883.0	1,976.8	1,962.1	1,901.5	1,924.1	1,907.6
All persons	11,488.4	11,696.1	11,799.9	12,124.3	12,395.7	12,618.1
With post-school qualifications	3,937.1	3,975.5	4,141.6	4,468.8	4,630.8	4,852.8
Degree	763.5	816.4	854.1	844.1	897.0	957.6
Trade qualification or apprenticeship	}	3,074.0	3,022.8	{	1,628.6	1,655.6
Certificate or diploma						
Other						
Without post-school qualifications(b)	7,084.8	7,251.5	7,156.9	7,099.4	7,178.7	7,197.2
Attended highest level of secondary school available	1,275.1	1,328.8	1,337.1	1,368.6	1,422.8	1,465.9
Did not attend highest level of secondary school available	5,760.6	5,871.4	5,774.5	5,650.8	5,667.8	5,648.5
Still at school	466.5	469.2	501.4	556.1	586.3	568.1

(a) Prior to February 1987 the data now published in the Educational Attainment categories "Trade qualification or apprenticeship" and "Certificate or diploma" were published as "Trade, technical or other certificate". See paragraph 14 of Appendix B. (b) Includes persons who never attended school and those for whom secondary school qualifications could not be determined.

TABLE 3. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND UNEMPLOYMENT RATE  
FEBRUARY 1984 TO FEBRUARY 1989

Educational attainment							
With post-school qualifications				Without post-school qualifications			
Degree	Trade qualif- ication or apprent- iceship	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)
MALES							
-- '000 --							
Total unemployed--							
1984	18.9	96.7	118.6	60.6	238.6	301.6	435.8
1985	12.5	77.7	94.4	60.3	222.9	284.0	390.4
1986 r	12.9	68.4	86.9	54.0	200.6	255.2	359.0
1987(d) r	14.3	58.5	21.7	95.7	60.2	211.8	387.8
1988(d) r	13.1	55.3	22.5	92.3	50.0	186.1	349.7
1989(d)	18.0	41.5	22.2	82.5	48.7	168.8	320.2
-- per cent --							
Unemployment rate--							
1984	4.3	6.4	5.9	11.8	12.8	12.7	9.8
1985	2.8	5.2	4.7	10.7	12.0	11.7	8.7
1986 r	2.8	4.4	4.2	9.8	11.0	10.7	8.0
1987(d) r	3.0	4.9	4.2	10.5	12.0	11.7	8.4
1988(d) r	2.6	4.6	4.1	8.4	10.7	10.2	7.5
1989(d)	3.4	3.4	3.5	8.1	9.5	9.2	6.7
FEMALES							
-- '000 --							
Total unemployed--							
1984	14.2	71.1	88.5	41.4	156.1	198.0	301.9
1985	11.2	53.7	70.6	41.2	151.7	192.8	283.2
1986 r	15.0	59.9	82.2	43.7	144.4	189.5	290.9
1987(d) r	11.0	5.7	63.7	82.4	48.9	143.3	299.5
1988(d) r	14.1	6.6	67.0	89.7	47.5	122.2	283.8
1989(d)	14.2	5.3	61.4	83.6	48.3	115.1	268.2
-- per cent --							
Unemployment rate--							
1984	7.1	9.2	8.8	11.0	12.8	12.4	11.3
1985	4.7	6.7	6.5	11.2	12.0	11.8	10.2
1986 r	6.0	7.1	7.2	11.1	11.2	11.2	10.0
1987(d) r	4.6	6.1	7.3	6.7	11.7	11.0	9.8
1988(d) r	5.4	7.5	7.3	7.0	10.9	9.2	9.0
1989(d)	5.0	5.7	6.2	6.1	10.1	8.7	8.1
PERSONS							
-- '000 --							
Total unemployed--							
1984	33.1	167.8	207.1	102.0	394.7	499.6	737.8
1985	23.7	131.4	164.9	101.5	374.6	476.8	673.6
1986 r	27.9	128.4	169.2	97.7	345.0	444.7	650.0
1987(d) r	25.4	64.2	85.3	178.1	109.1	355.2	687.3
1988(d) r	27.2	61.9	89.5	182.0	97.5	308.4	633.6
1989(d)	32.3	46.8	83.6	166.1	96.9	283.9	588.4
-- per cent --							
Unemployment rate--							
1984	5.2	7.3	6.9	11.5	12.8	12.6	10.4
1985	3.4	5.8	5.4	10.9	12.0	11.7	9.3
1986 r	3.9	5.4	5.3	10.3	11.1	10.9	8.7
1987(d) r	3.6	5.0	5.2	11.0	11.6	11.4	9.0
1988(d) r	3.6	4.8	5.1	9.5	10.1	10.0	8.1
1989(d)	4.0	3.6	4.5	9.0	9.1	9.1	7.3

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school and those for whom secondary school qualifications could not be determined. (c) Includes persons still at school. (d) Prior to February 1987 the data now published in the Educational Attainment categories "Trade qualification or apprenticeship" and "Certificate or diploma" were published as "Trade, technical or other certificate". See paragraph 14 of Appendix B.



TABLE 4. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT, AVERAGE AND MEDIAN DURATION OF UNEMPLOYMENT, FEBRUARY 1984 TO FEBRUARY 1989 (Weeks)

	Educational attainment							
	With post-school qualifications			Without post-school qualifications			Total(c)	
	Degree	Trade	Certif- icate or diploma	Total(a)	Attended	Did not		Total(b)
		qualif- ication or apprent- iceship			highest level of secondary school available	attend highest level of secondary school available		
MALES								
Average duration of unemployment--								
1984	34.7		35.5	35.3	37.5	54.4	51.2	45.6
1985	30.6		42.9	40.3	32.7	63.5	57.4	51.9
1986 r	36.2		49.0	47.6	35.6	65.2	59.1	54.2
1987(d) r	50.0	56.7	47.4	53.3	35.3	66.9	60.5	56.7
1988(d) r	39.8	48.2	50.7	47.5	32.3	70.5	62.5	56.0
1989(d)	29.1	68.9	53.3	56.3	27.8	70.6	60.9	56.9
Median duration of unemployment--								
1984	13		21	19	15	39	32	26
1985	12		15	14	12	29	26	22
1986 r	12		13	13	11	28	24	18
1987(d) r	13	17	26	17	11	26	24	20
1988(d) r	11	15	13	14	10	30	24	18
1989(d)	8	26	20	17	9	26	19	16
FEMALES								
Average duration of unemployment--								
1984	11.7		26.6	25.0	32.9	45.9	43.3	36.4
1985	23.0		27.4	29.4	23.7	42.5	38.5	34.6
1986 r	11.9		25.1	23.1	21.8	34.4	31.7	28.1
1987(d) r	20.2	33.3	23.1	23.2	25.6	44.5	39.6	33.1
1988(d) r	11.1	47.5	28.2	28.4	22.7	37.9	34.2	30.6
1989(d)	16.2	28.5	23.9	23.2	17.2	42.3	35.7	30.5
Median duration of unemployment--								
1984	8		9	9	12	18	16	13
1985	5		8	9	10	19	14	12
1986 r	6		8	8	9	12	11	9
1987(d) r	11	11	8	8	11	15	13	10
1988(d) r	5	27	8	8	8	15	12	9
1989(d)	8	7	5	6	7	10	9	8
PERSONS								
Average duration of unemployment--								
1984	24.9		31.6	30.9	35.6	51.1	48.1	41.9
1985	27.0		36.6	35.7	29.0	55.0	49.7	44.6
1986 r	23.1		37.9	35.7	29.4	52.3	47.4	42.6
1987(d) r	37.0	54.6	29.2	39.3	30.9	57.9	51.8	46.4
1988(d) r	24.9	48.2	33.9	38.1	27.6	57.6	50.6	44.6
1989(d)	23.4	64.3	31.7	39.6	22.5	59.1	50.1	44.9
Median duration of unemployment--								
1984	10		15	13	13	28	26	19
1985	9		13	12	10	26	20	16
1986 r	8		11	11	10	20	16	13
1987(d) r	11	15	10	12	11	24	18	14
1988(d) r	7	15	8	9	9	24	17	13
1989(d)	8	19	8	9	8	18	13	11

(a) Includes persons with other post-school qualifications. (b) Includes persons who never attended school and those for whom secondary school qualifications could not be determined. (c) Includes persons still at school. (d) Prior to February 1987 the data now published in the Educational Attainment categories "Trade qualification or apprenticeship" and "Certificate or diploma" were published as "Trade, technical or other certificate". See paragraph 14 of Appendix B.

TABLE 5. ALL PERSONS : LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT, FEBRUARY 1989

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	2,145.9	95.2	2,241.1	82.5	2,323.6	448.8	2,772.4	3.5	83.8
Degree	478.8	27.2	506.0	18.0	524.0	67.6	591.6	3.4	88.6
Trade qualification or apprenticeship	1,125.2	36.3	1,161.5	41.5	1,203.0	272.5	1,475.5	3.4	81.5
Certificate or diploma	535.8	31.1	566.9	22.2	589.1	107.8	697.0	3.8	84.5
Other	6.1	* 0.6	6.7	* 0.7	7.5	* 0.9	8.3	* 10.0	89.6
Without post-school qualifications(a)	2,026.2	150.3	2,176.5	219.8	2,396.3	803.1	3,199.5	9.2	74.9
Attended highest level of secondary school available	488.3	63.2	551.4	48.7	600.1	130.8	730.9	8.1	82.1
Did not attend highest level of secondary school available	1,523.2	86.5	1,609.7	168.8	1,778.6	658.1	2,436.6	9.5	73.0
Left at age--									
18 and over	31.0	* 2.0	33.0	4.2	37.2	6.3	43.5	11.3	85.6
16 or 17	610.2	26.4	636.7	61.4	698.1	90.7	788.7	8.8	88.5
14 or 15	758.5	45.7	804.2	89.1	893.3	401.4	1,294.7	10.0	69.0
13 and under	123.5	12.4	135.9	14.1	150.0	159.7	309.7	9.4	48.4
Never attended school	4.6	* 0.3	4.9	* 0.7	5.6	11.1	16.7	* 12.8	33.5
Still at school	* 1.4	60.3	61.7	17.9	79.6	204.2	283.7	22.5	28.0
Total	4,173.5	305.7	4,479.3	320.2	4,799.4	1,456.1	6,255.6	6.7	76.7
FEMALES									
With post-school qualifications	852.8	443.3	1,296.1	83.6	1,379.7	700.7	2,080.4	6.1	66.3
Degree	194.8	73.3	268.1	14.2	282.4	83.6	366.0	5.0	77.2
Trade qualification or apprenticeship	54.5	34.3	88.8	5.3	94.2	101.0	195.2	5.7	48.2
Certificate or diploma	598.5	331.1	929.6	61.4	990.9	505.3	1,496.2	6.2	66.2
Other	5.0	4.6	9.6	* 2.7	12.3	10.8	23.0	* 22.0	53.2
Without post-school qualifications(a)	998.3	658.8	1,657.1	165.2	1,822.3	2,175.5	3,997.8	9.1	45.6
Attended highest level of secondary school available	279.2	150.1	429.3	48.3	477.6	257.4	735.0	10.1	65.0
Did not attend highest level of secondary school available	711.5	503.3	1,214.8	115.1	1,329.9	1,881.9	3,211.8	8.7	41.4
Left at age--									
18 and over	17.8	4.6	22.3	* 2.8	25.1	17.9	43.0	* 11.2	58.5
16 or 17	315.6	181.8	497.4	49.8	547.2	394.4	941.7	9.1	58.1
14 or 15	338.4	287.5	625.9	58.3	684.1	1,168.3	1,852.4	8.5	36.9
13 and under	39.7	29.5	69.2	4.2	73.4	301.3	374.7	5.7	19.6
Never attended school	* 3.0	* 1.8	4.7	* 0.7	5.5	29.1	34.6	* 13.4	15.8
Still at school	* 0.8	82.1	82.9	19.4	102.3	182.0	284.3	19.0	36.0
Total	1,852.0	1,184.2	3,036.1	268.2	3,304.4	3,058.1	6,362.5	8.1	51.9
PERSONS									
With post-school qualifications	2,998.7	538.5	3,537.2	166.1	3,703.3	1,149.5	4,852.8	4.5	76.3
Degree	673.6	100.5	774.1	32.3	806.4	151.2	957.6	4.0	84.2
Trade qualification or apprenticeship	1,179.7	70.6	1,250.3	46.8	1,297.1	373.5	1,670.7	3.6	77.6
Certificate or diploma	1,134.3	362.1	1,496.5	83.6	1,580.1	613.1	2,193.2	5.3	72.0
Other	11.1	5.2	16.3	* 3.4	19.7	11.6	31.4	* 17.4	62.9
Without post-school qualifications(a)	3,024.6	809.1	3,833.6	385.0	4,218.6	2,978.6	7,197.2	9.1	58.6
Attended highest level of secondary school available	767.5	213.3	980.8	96.9	1,077.7	388.2	1,465.9	9.0	73.5
Did not attend highest level of secondary school available	2,234.7	589.9	2,824.5	283.9	3,108.5	2,540.0	5,648.5	9.1	55.0
Left at age--									
18 and over	48.7	6.6	55.3	7.0	62.3	24.1	86.5	11.2	72.1
16 or 17	925.8	208.2	1,134.1	111.2	1,245.3	485.1	1,730.4	8.9	72.0
14 or 15	1,096.9	333.1	1,430.0	147.4	1,577.4	1,569.7	3,147.1	9.3	50.1
13 and under	163.2	41.9	205.1	18.3	223.4	461.0	684.4	8.2	32.6
Never attended school	7.6	* 2.1	9.6	* 1.5	11.1	40.2	51.3	* 13.1	21.6
Still at school	* 2.2	142.4	144.6	37.3	181.9	386.2	568.1	20.5	32.0
Total	6,025.5	1,489.9	7,515.4	588.4	8,103.8	4,514.3	12,618.1	7.3	64.2

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

TABLE 6. ALL PERSONS : AGE AND EDUCATIONAL ATTAINMENT, FEBRUARY 1989  
(<sup>'000</sup>)

	Age group						
Educational attainment	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 and over	Total
MALES							
With post-school qualifications	22.9	232.7	729.7	715.4	473.9	597.9	2,772.4
Degree	* 0.1	44.1	182.0	184.4	91.5	89.5	591.6
Trade qualification or apprenticeship	10.9	131.3	382.9	335.4	260.9	354.1	1,475.5
Certificate or diploma	11.6	55.8	162.4	193.5	120.5	153.1	697.0
Other	* 0.2	* 1.5	* 2.4	* 2.0	* 0.9	* 1.3	8.3
Without post-school qualifications(a)	400.9	417.2	615.9	520.4	394.3	850.8	3,199.5
Attended highest level of secondary school available	153.9	165.7	171.0	113.0	49.2	78.1	730.9
Did not attend highest level of secondary school available	246.1	250.0	439.0	403.9	340.6	756.9	2,436.6
Left at age--							
18 and over	* 2.6	11.9	15.3	7.6	* 2.3	3.7	43.5
16 or 17	148.2	148.5	218.8	131.8	59.3	82.2	788.7
14 or 15	95.0	88.5	190.0	229.8	215.3	476.1	1,294.7
13 and under	* 0.4	* 1.2	14.9	34.7	63.7	194.9	309.7
Never attended school	* 0.2	* 0.4	* 1.6	* 0.7	* 2.1	11.6	16.7
Still at school	283.6	* 0.1	..	..	..	..	283.7
Total	707.5	650.0	1,345.5	1,235.8	868.1	1,448.7	6,255.6
FEMALES							
With post-school qualifications	62.9	237.3	616.8	514.3	285.5	363.7	2,080.4
Degree	* 0.3	42.3	143.9	110.7	39.0	29.8	366.0
Trade qualification or apprenticeship	3.5	20.2	40.0	40.1	29.0	62.5	195.2
Certificate or diploma	58.2	172.9	426.9	358.1	214.3	265.8	1,496.2
Other	* 1.0	* 1.9	6.1	5.4	* 3.1	5.6	23.0
Without post-school qualifications(a)	333.2	402.6	734.9	707.6	541.4	1,277.9	3,997.8
Attended highest level of secondary school available	166.3	154.9	156.3	103.1	53.9	100.5	735.0
Did not attend highest level of secondary school available	166.3	246.3	572.3	598.0	478.3	1,150.7	3,211.8
Left at age--							
18 and over	* 2.2	8.6	14.3	7.2	5.1	5.6	43.0
16 or 17	99.3	146.5	280.5	192.4	86.9	136.2	941.7
14 or 15	64.2	88.8	260.2	352.3	321.2	765.7	1,852.4
13 and under	* 0.6	* 2.4	17.3	46.1	65.2	243.1	374.7
Never attended school	* 0.0	* 0.3	* 2.8	* 1.5	6.5	23.7	34.6
Still at school	284.1	* 0.2	..	..	..	..	284.3
Total	680.3	640.1	1,351.7	1,221.9	826.9	1,641.6	6,362.5
PERSONS							
With post-school qualifications	85.8	469.9	1,346.5	1,229.6	759.3	961.6	4,852.8
Degree	* 0.4	86.4	325.9	295.2	130.5	119.3	957.6
Trade qualification or apprenticeship	14.4	151.5	422.8	375.5	289.9	416.6	1,670.7
Certificate or diploma	69.8	228.7	589.3	551.6	334.9	418.9	2,193.2
Other	* 1.2	* 3.4	8.5	7.4	4.0	6.8	31.4
Without post-school qualifications(a)	734.2	819.8	1,350.8	1,228.0	935.7	2,128.7	7,197.2
Attended highest level of secondary school available	320.2	320.6	327.2	216.1	103.1	178.6	1,465.9
Did not attend highest level of secondary school available	412.4	496.3	1,011.2	1,001.9	818.9	1,907.6	5,648.5
Left at age--							
18 and over	4.8	20.6	29.5	14.9	7.4	9.3	86.5
16 or 17	247.4	294.9	499.3	324.2	146.2	218.4	1,730.4
14 or 15	159.2	177.3	450.2	582.1	536.5	1,241.9	3,147.1
13 and under	* 1.0	3.6	32.2	80.7	128.9	438.0	684.4
Never attended school	* 0.2	* 0.7	4.4	* 2.2	8.6	35.3	51.3
Still at school	567.7	* 0.3	..	..	..	..	568.1
Total	1,387.7	1,290.1	2,697.3	2,457.7	1,695.0	3,090.3	12,618.1

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

TABLE 7. ALL PERSONS : FAMILY STATUS AND EDUCATIONAL ATTAINMENT, FEBRUARY 1989  
('000)

Educational attainment	Family status									Total
	Member of a family						Total	Not a member of a family	Family status not determined	
	Husband or wife		Not married family head	Full-time student aged 15-24(a)	Other child of family head	Other relative of family head				
	With dependents present	Without dependents present								
MALES										
With post-school qualifications(b)	1,129.9	869.1	46.0	9.4	209.4	25.1	2,288.9	398.6	84.9	2,772.4
Degree	258.0	152.4	10.3	* 2.9	41.4	4.4	469.4	101.5	20.8	591.6
Trade qualification or apprenticeship	573.3	508.7	23.2	* 1.6	111.2	14.8	1,232.7	198.2	44.5	1,475.5
Certificate or diploma	296.0	206.6	12.5	4.9	54.3	5.7	580.1	97.4	19.5	697.0
Without post-school qualifications(c)	843.5	960.0	63.2	100.0	601.4	65.1	2,633.0	446.5	119.9	3,199.5
Attended highest level of secondary school available	171.8	129.3	9.8	89.5	172.7	9.9	583.1	116.4	31.4	730.9
Did not attend highest level of secondary school available	663.8	818.0	52.8	10.4	425.6	53.9	2,024.6	325.8	86.3	2,436.6
Left at age--										
16 and over	238.8	158.3	13.4	7.5	252.9	16.0	686.8	115.7	29.7	832.2
14 or 15	348.6	494.9	32.6	* 2.9	169.1	29.0	1,077.2	170.1	47.4	1,294.7
13 and under	76.3	164.8	6.8	* 0.0	3.6	9.0	260.5	40.0	9.2	309.7
Still at school	* 0.0	* 0.0	* 0.0	266.4	* 0.0	* 0.0	266.4	* 2.1	15.2	283.7
Total	1,973.3	1,829.0	109.2	375.8	810.8	90.2	5,188.3	847.3	220.0	6,255.6
FEMALES										
With post-school qualifications(b)	789.0	552.7	141.1	11.0	177.9	26.5	1,698.1	303.3	78.9	2,080.4
Degree	142.0	81.1	20.6	4.2	25.8	* 3.0	276.6	73.5	15.8	366.0
Trade qualification or apprenticeship	61.4	74.6	11.3	* 0.0	10.9	5.4	163.5	26.4	5.3	195.2
Certificate or diploma	577.6	389.8	107.4	6.6	139.3	17.9	1,238.6	201.0	56.6	1,496.2
Without post-school qualifications(c)	1,133.1	1,244.6	332.6	99.2	353.8	104.0	3,267.4	602.1	128.3	3,997.8
Attended highest level of secondary school available	177.5	141.7	38.7	87.6	133.7	8.8	588.0	118.9	28.2	735.0
Did not attend highest level of secondary school available	946.5	1,087.9	288.0	11.6	215.8	87.5	2,637.3	476.8	97.8	3,211.8
Left at age--										
16 and over	385.2	217.0	77.7	7.4	134.2	14.6	836.1	109.9	38.6	984.7
14 or 15	494.1	705.6	178.2	4.2	77.0	44.5	1,503.7	298.8	50.0	1,852.4
13 and under	67.2	165.3	32.2	* 0.0	4.5	28.4	297.5	68.0	9.1	374.7
Still at school	* 0.1	* 0.0	* 0.4	261.6	* 0.2	* 0.0	262.3	* 1.3	20.8	284.3
Total	1,922.3	1,797.3	474.0	371.8	531.9	130.5	5,227.8	906.6	228.1	6,362.5
PERSONS										
With post-school qualifications(b)	1,918.9	1,421.7	187.1	20.4	387.3	51.6	3,987.0	702.0	163.8	4,852.8
Degree	400.0	233.5	30.9	7.0	67.2	7.4	746.0	174.9	36.6	957.6
Trade qualification or apprenticeship	634.6	583.2	34.5	* 1.6	122.1	20.2	1,396.2	224.6	49.8	1,670.7
Certificate or diploma	873.6	596.5	119.9	11.4	193.7	23.6	1,818.6	298.4	76.2	2,193.2
Without post-school qualifications(c)	1,976.6	2,204.6	395.7	199.2	955.2	169.1	5,900.4	1,048.6	248.2	7,197.2
Attended highest level of secondary school available	349.3	271.0	48.6	177.2	306.4	18.7	1,171.1	235.3	59.5	1,465.9
Did not attend highest level of secondary school available	1,610.3	1,905.9	340.8	22.0	641.4	141.4	4,661.9	802.5	184.0	5,648.5
Left at age--										
16 and over	624.1	375.2	91.1	14.9	387.1	30.5	1,522.9	225.6	68.3	1,816.9
14 or 15	842.8	1,200.5	210.8	7.1	246.2	73.5	2,580.9	468.9	97.4	3,147.1
13 and under	143.5	330.1	38.9	* 0.0	8.1	37.3	558.0	108.0	18.4	684.4
Still at school	* 0.1	* 0.0	* 0.4	528.0	* 0.2	* 0.0	528.7	* 3.4	36.0	568.1
Total	3,895.6	3,626.3	583.2	747.6	1,342.7	220.7	10,416.1	1,753.9	448.1	12,618.1

(a) Excludes persons aged 20 to 24 attending school. (b) Includes persons with other post-school qualifications. (c) Includes persons who never attended school and those for whom secondary school qualifications could not be determined.

TABLE 8. PERSONS WITH POST-SCHOOL QUALIFICATIONS : AGE, LABOUR FORCE STATUS AND MAIN FIELD OF STUDY, FEBRUARY 1989

Main field of study	Age group				55 and over	Labour force		Not in labour force	Total	Participation rate
	15 - 24	25 - 34	35 - 44	45 - 54		Employed	Total			
					--'000--					-per cent-
MALES										
Degree	44.2	182.0	184.4	91.5	89.5	506.0	524.0	67.6	591.6	88.6
Administration(a)	8.0	35.9	37.5	14.6	14.7	96.9	99.7	10.9	110.6	90.2
Law	* 1.5	7.1	10.2	6.1	5.7	26.0	26.0	4.7	30.7	84.8
Education	* 2.6	16.5	19.9	9.6	7.3	49.5	51.1	4.7	55.8	91.6
Medicine	* 2.3	15.2	15.6	11.1	15.0	51.4	52.3	6.8	59.1	88.5
Science, computing(b)	13.6	43.1	34.3	14.8	11.0	99.4	103.8	13.0	116.9	88.9
Engineering	4.6	31.8	30.2	17.9	20.8	88.3	91.2	14.1	105.3	86.6
Architecture	* 2.2	4.9	7.3	* 3.1	* 2.4	17.6	18.3	* 1.6	19.9	92.0
Social sciences(c)	7.1	21.1	25.0	11.5	9.9	62.0	65.6	9.0	74.6	87.9
Other	* 2.4	6.4	4.6	* 2.8	* 2.7	14.8	15.9	* 2.9	18.8	84.6
Trade qualification or apprenticeship	142.2	382.9	335.4	260.9	354.1	1,161.5	1,203.0	272.5	1,475.5	81.5
Metal	29.2	72.9	75.3	55.3	91.1	246.8	257.0	66.8	323.8	79.4
Service	* 1.9	* 2.5	4.4	4.3	4.3	14.1	14.5	* 2.9	17.3	83.5
Building	30.5	86.9	76.5	68.0	86.5	274.0	281.6	66.8	348.4	80.8
Electrical	16.8	56.3	47.1	34.0	40.6	161.5	165.8	29.0	194.8	85.1
Food and drink	11.8	30.7	25.2	18.3	24.9	84.9	89.5	21.4	110.9	80.7
Wood and furniture	7.7	14.1	11.5	11.0	14.5	45.5	47.2	11.7	58.8	80.2
Printing and allied	* 3.1	15.2	11.6	8.1	10.4	38.5	39.5	9.0	48.5	81.4
Automotive and mechanical	27.4	75.1	54.6	36.6	40.6	195.3	203.1	31.3	234.3	86.7
Footwear, clothing and textiles	* 0.6	4.0	* 3.3	6.1	12.4	15.7	16.3	10.2	26.5	61.5
Other	13.1	25.3	25.9	19.2	28.8	85.4	88.7	23.5	112.2	79.1
Certificate or diploma	67.4	162.4	193.5	120.5	153.1	566.9	589.1	107.8	697.0	84.5
Secretarial(d)	* 1.8	* 2.6	* 1.9	* 0.5	* 1.9	6.8	6.8	* 1.9	8.7	77.8
Health(e)	* 3.4	13.9	12.2	4.7	8.6	36.0	36.7	6.1	42.8	85.7
Engineering(f)	13.4	37.6	46.1	30.9	37.6	129.7	135.8	29.8	165.6	82.0
Education(g)	* 2.3	13.3	18.1	10.4	10.2	44.0	45.7	8.6	54.2	84.2
Business(h)	9.3	31.7	60.2	37.1	51.7	156.0	160.0	29.9	190.0	84.2
Science(i)	16.4	26.5	26.0	16.4	16.3	87.4	90.8	10.9	101.7	89.3
Social studies(j)	4.0	6.8	7.1	3.5	4.1	20.7	22.0	3.5	25.5	86.4
Other	17.0	30.0	21.9	17.1	22.6	86.3	91.3	17.2	108.5	84.1
Total(k)	255.6	729.7	715.4	473.9	597.9	2,241.1	2,323.6	448.8	2,772.4	83.8
FEMALES										
Degree	42.5	143.9	110.7	39.0	29.8	268.1	282.4	83.6	366.0	77.2
Administration(a)	7.6	19.2	9.9	* 2.5	* 1.9	32.0	33.6	7.4	41.0	81.9
Law	* 0.7	4.7	3.6	* 0.4	* 0.5	8.2	8.4	* 1.6	9.9	84.3
Education	4.9	31.0	31.7	10.6	8.1	63.1	66.1	20.2	86.3	76.6
Medicine	3.7	10.9	7.5	* 3.4	* 2.8	23.6	24.3	4.0	28.3	85.8
Science, computing(b)	6.5	25.0	10.9	5.3	3.8	36.7	38.1	13.4	51.5	74.0
Engineering	* 0.5	* 1.8	* 1.5	* 0.0	* 0.6	* 3.1	* 3.1	* 1.4	4.5	* 68.9
Architecture	* 0.6	* 1.6	* 0.1	* 0.5	* 0.5	* 1.9	* 1.9	* 1.5	* 3.4	* 55.6
Social sciences(c)	15.2	44.0	41.4	15.4	10.8	89.1	95.4	31.5	126.9	75.2
Other	* 2.8	5.6	4.1	* 0.9	* 0.8	10.5	11.6	* 2.6	14.1	81.9
Trade qualification or apprenticeship	23.7	40.0	40.1	29.0	62.5	88.8	94.2	101.0	195.2	48.2
Metal	* 0.2	* 0.2	* 0.1	* 0.0	* 0.9	* 0.5	* 0.5	* 0.9	* 1.4	* 36.4
Service	12.6	24.1	24.8	11.4	15.4	47.1	49.2	39.2	88.4	55.6
Building	* 0.6	* 0.3	* 0.0	* 0.0	* 0.0	* 0.6	* 0.6	* 0.3	* 0.9	* 71.2
Electrical	* 0.2	* 0.7	* 0.4	* 0.2	* 0.1	* 0.8	* 0.8	* 0.9	* 1.7	* 48.2
Food and drink	4.3	3.5	* 2.9	* 1.5	* 3.0	9.2	10.4	4.8	15.2	68.3
Wood and furniture	* 0.0	* 0.3	* 0.0	* 0.0	* 0.4	* 0.5	* 0.5	* 0.2	* 0.7	* 76.3
Printing and allied	* 1.0	* 1.4	* 0.8	* 0.7	* 2.4	* 2.5	* 2.6	3.6	6.3	* 41.9
Automotive and mechanical	* 0.0	* 0.6	* 0.2	* 0.0	* 0.0	* 0.5	* 0.7	* 0.1	* 0.7	* 89.4
Footwear, clothing and textiles	* 1.4	4.4	7.4	12.3	35.9	16.3	17.5	44.0	61.4	28.5
Other	* 3.4	4.4	3.6	* 2.9	4.3	10.8	11.4	7.1	18.5	61.5
Certificate or diploma	231.1	426.9	358.1	214.3	265.8	929.6	990.9	505.3	1,496.2	66.2
Secretarial(d)	113.9	159.5	117.9	70.5	95.6	329.9	355.4	201.9	557.3	63.8
Health(e)	40.9	122.9	107.5	65.0	81.9	272.5	285.6	132.6	418.2	68.3
Engineering(f)	* 2.5	4.4	* 1.6	* 0.6	* 2.4	7.8	8.8	* 2.7	11.6	76.5
Education(g)	17.9	55.0	65.2	34.6	38.4	131.9	138.5	72.5	211.0	65.6
Business(h)	15.1	30.8	23.5	16.5	14.7	68.6	73.2	27.4	100.7	72.7
Science(i)	4.6	9.5	6.4	* 2.8	* 2.8	18.0	19.1	7.1	26.1	72.9
Social studies(j)	9.7	20.8	15.2	12.9	20.4	40.1	43.2	35.8	79.0	54.7
Other	26.4	24.1	20.7	11.4	9.7	60.8	67.2	25.2	92.3	72.7
Total(k)	300.2	616.8	514.3	285.5	363.7	1,296.1	1,379.7	700.7	2,080.4	66.3

For footnotes see end of table.

TABLE 8. PERSONS WITH POST-SCHOOL QUALIFICATIONS : AGE, LABOUR FORCE STATUS AND MAIN FIELD OF STUDY, FEBRUARY 1989 - *continued*

Main field of study	Age group					Labour force		Not in labour force	Total	Participation rate
	15 - 24	25 - 34	35 - 44	45 - 54	55 and over	Employed	Total			
	PERSONS					--'000--			-per cent-	
Degree	86.7	325.9	295.2	130.5	119.3	774.1	806.4	151.2	957.6	84.2
Administration(a)	15.6	55.1	47.3	17.1	16.6	128.8	133.3	18.3	151.7	87.9
Law	* 2.2	11.8	13.8	6.5	6.3	34.3	34.4	6.2	40.6	84.7
Education	7.5	47.5	51.5	20.3	15.4	112.6	117.2	24.9	142.1	82.5
Medicine	5.9	26.1	23.0	14.6	17.8	74.9	76.6	10.8	87.4	87.6
Science, computing(b)	20.1	68.1	45.2	20.1	14.8	136.1	142.0	26.4	168.4	84.3
Engineering	5.1	33.6	31.7	17.9	21.4	91.4	94.3	15.5	109.7	85.9
Architecture	* 2.8	6.5	7.4	3.6	* 2.9	19.5	20.1	* 3.1	23.2	86.8
Social sciences(c)	22.3	65.2	66.4	26.9	20.7	151.1	160.9	40.5	201.5	79.9
Other	5.2	12.0	8.7	3.6	3.5	25.3	27.5	5.5	33.0	83.4
Trade qualification or apprenticeship	165.9	422.8	375.5	289.9	416.6	1,250.3	1,297.1	373.5	1,670.7	77.6
Metal	29.4	73.1	75.4	55.3	92.0	247.3	257.5	67.7	325.2	79.2
Service	14.5	26.6	29.2	15.7	19.8	61.1	63.6	42.1	105.7	60.2
Building	31.2	87.1	76.5	68.0	86.5	274.6	282.2	67.1	349.3	80.8
Electrical	17.0	57.0	47.5	34.2	40.7	162.3	166.6	29.8	196.4	84.8
Food and drink	16.1	34.2	28.1	19.9	27.8	94.1	99.9	26.2	126.1	79.2
Wood and furniture	7.7	14.3	11.5	11.0	14.9	46.0	47.7	11.8	59.5	80.1
Printing and allied	4.1	16.6	12.4	8.8	12.8	41.0	42.1	12.7	54.8	76.9
Automotive and mechanical	27.4	75.7	54.8	36.6	40.6	195.8	203.7	31.3	235.1	86.7
Footwear, clothing and textiles	* 2.0	8.4	10.7	18.5	48.3	32.0	33.7	54.2	87.9	38.4
Other	16.5	29.7	29.5	22.0	33.1	96.2	100.1	30.6	130.7	76.6
Certificate or diploma	298.5	589.3	551.6	334.9	418.9	1,496.5	1,580.1	613.1	2,193.2	72.0
Secretarial(d)	115.7	162.1	119.8	70.9	97.5	336.7	362.1	203.8	566.0	64.0
Health(e)	44.3	136.7	119.6	69.8	90.6	308.5	322.3	138.7	461.0	69.9
Engineering(f)	15.9	42.0	47.8	31.5	40.0	137.5	144.6	32.5	177.1	81.7
Education(g)	20.2	68.2	83.3	45.0	48.6	175.9	184.2	81.1	265.3	69.4
Business(h)	24.4	62.5	83.7	53.6	66.4	224.6	233.3	57.4	290.6	80.3
Science(i)	21.0	36.0	32.4	19.3	19.1	105.4	109.9	18.0	127.8	85.9
Social studies(j)	13.7	27.6	22.3	16.4	24.5	60.8	65.2	39.2	104.5	62.4
Other	43.3	54.1	42.7	28.5	32.3	147.2	158.4	42.4	200.9	78.9
Total(k)	555.8	1,346.5	1,229.6	759.3	961.6	3,537.2	3,703.3	1,149.5	4,852.8	76.3

(a) Includes business studies and commerce. (b) Includes mathematics, veterinary and agricultural science. (c) Includes arts and humanities. (d) Includes typing and data processing. (e) Includes nursing, para-medical and other health. (f) Includes communication, transport and architecture. (g) Includes teacher training. (h) Includes commerce and administration. (i) Includes computing and agriculture. (j) Includes arts and crafts. (k) Includes persons with other post-school qualifications.

TABLE 9. EMPLOYED PERSONS : EDUCATIONAL ATTAINMENT AND INDUSTRY, FEBRUARY 1989  
( '000)

Industry	Educational attainment								Total(b)	Total(c)
	With post-school qualifications				Without post-school qualifications					
	Degree	Trade qualification or apprenticeship	Certificate or diploma	Total(a)	Attended highest level of secondary school available	Did not attend highest level of secondary school available and left at age--				
						16 and over	14 or 15	13 and under		
MALES										
Agriculture, forestry, fishing and hunting	8.2	36.3	37.4	83.0	30.1	51.7	102.0	24.1	208.8	297.7
Mining	9.5	27.8	8.0	45.4	5.0	11.7	21.6	* 2.6	41.3	87.1
Manufacturing	53.5	295.9	83.8	434.1	85.1	163.2	175.0	36.9	463.7	901.0
Electricity, gas and water	11.5	41.4	14.3	67.2	10.5	9.5	18.2	* 2.3	40.4	107.6
Construction	15.6	247.9	29.7	293.5	35.0	66.5	93.5	14.7	210.2	505.1
Wholesale and retail trade	46.2	227.7	77.3	352.4	139.6	157.8	149.1	20.9	469.8	862.4
Transport and storage	14.5	71.1	41.2	127.2	31.8	54.3	80.3	14.4	182.4	310.1
Communication	5.6	28.2	17.8	51.8	11.8	17.2	17.9	* 2.1	50.2	102.0
Finance, property and business services	104.4	39.7	94.0	239.0	88.8	47.3	38.5	* 3.2	178.5	418.7
Public administration and defence	39.1	28.0	36.3	103.9	28.2	25.1	34.4	* 3.0	92.5	196.6
Community services	183.0	65.0	101.9	350.5	36.8	30.0	34.2	7.2	110.6	462.0
Recreation, personal and other services	14.8	52.5	25.2	93.1	48.6	35.4	39.4	4.5	128.1	228.8
Total	506.0	1,161.5	566.9	2,241.1	551.4	669.7	804.2	135.9	2,176.5	4,479.3
FEMALES										
Agriculture, forestry, fishing and hunting	* 3.4	3.8	32.3	40.2	15.2	20.5	36.2	8.4	81.1	124.9
Mining	* 1.0	* 0.5	* 2.8	4.3	* 1.8	* 1.5	* 1.5	* 0.0	4.8	9.0
Manufacturing	13.7	11.1	69.0	94.3	39.4	71.5	87.1	19.3	219.0	315.1
Electricity, gas and water	* 1.0	* 0.0	* 3.3	4.3	3.6	4.4	* 2.7	* 0.0	10.7	15.0
Construction	* 1.7	* 1.7	22.0	25.9	7.6	13.2	23.6	* 2.3	46.8	72.9
Wholesale and retail trade	22.1	21.1	140.8	187.1	116.1	151.7	177.5	14.1	462.4	715.0
Transport and storage	3.9	* 1.6	29.6	35.5	10.9	12.9	16.3	* 1.7	41.9	77.5
Communication	* 2.4	* 0.7	8.1	11.2	8.3	7.6	11.6	* 0.2	27.7	38.9
Finance, property and business services	38.0	4.7	129.8	173.2	86.4	89.0	65.9	4.2	248.7	422.5
Public administration and defence	18.9	* 1.8	33.2	54.5	24.1	23.0	16.6	* 0.7	65.1	119.6
Community services	151.6	9.6	393.4	556.4	65.5	77.2	114.0	11.3	270.7	829.7
Recreation, personal and other services	10.5	32.3	65.2	109.3	50.4	47.2	72.9	7.0	178.3	296.1
Total	268.1	88.8	929.6	1,296.1	429.3	519.7	625.9	69.2	1,657.1	3,036.1
PERSONS										
Agriculture, forestry, fishing and hunting	11.6	40.0	69.7	123.2	45.3	72.2	138.2	32.5	289.9	422.6
Mining	10.5	28.3	10.9	49.7	6.8	13.2	23.1	* 2.6	46.1	96.1
Manufacturing	67.3	306.9	152.9	528.3	124.6	234.6	262.1	56.2	682.7	1,216.0
Electricity, gas and water	12.5	41.4	17.5	71.4	14.2	13.9	20.9	* 2.3	51.2	122.6
Construction	17.3	249.7	51.7	319.3	42.6	79.6	117.2	17.0	256.9	578.0
Wholesale and retail trade	68.3	248.8	218.2	539.5	255.7	309.5	326.5	35.0	932.2	1,577.4
Transport and storage	18.4	72.7	70.8	162.7	42.7	67.2	96.7	16.0	224.3	387.6
Communication	8.0	28.9	25.8	63.0	20.0	24.8	29.5	* 2.3	77.9	140.9
Finance, property and business services	142.4	44.4	223.8	412.2	175.2	136.3	104.5	7.4	427.2	841.2
Public administration and defence	58.0	29.8	69.6	158.5	52.3	48.2	51.0	3.8	157.6	316.3
Community services	334.6	74.6	495.3	906.8	102.4	107.3	148.1	18.5	381.3	1,291.8
Recreation, personal and other services	25.3	84.7	90.4	202.4	99.0	82.6	112.2	11.4	306.4	524.9
Total	774.1	1,250.3	1,496.5	3,537.2	980.8	1,189.4	1,430.0	205.1	3,833.6	7,515.4

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

TABLE 10. EMPLOYED PERSONS : OCCUPATION AND EDUCATIONAL ATTAINMENT, FEBRUARY 1989 ('000)

Educational attainment	Occupation								Total
	Managers and administrators	Professionals	Para-professionals	Tradespersons	Clerks	Salespersons and personal service workers	Plant and machine operators and drivers	Labourers and related workers	
MALES									
With post-school qualifications(a)	300.3	500.1	181.9	699.3	98.3	128.9	149.0	183.3	2,241.1
Degree	69.4	341.6	17.1	11.5	25.1	20.8	6.7	13.8	506.0
Trade qualification or apprenticeship	120.0	30.8	70.9	637.4	30.7	46.7	101.3	123.7	1,161.5
Certificate or diploma	109.8	127.2	93.9	49.5	41.5	60.1	40.4	44.5	566.9
Without post-school qualifications(b)	326.5	58.3	78.4	395.8	209.3	229.4	327.8	551.1	2,176.5
Attended highest level of secondary school available	89.2	36.7	31.3	62.4	98.0	98.8	38.7	96.3	551.4
Did not attend highest level of secondary school available	235.1	20.6	46.2	331.8	108.8	130.0	287.1	450.0	1,609.7
Left at age--									
16 and over	80.6	11.4	21.9	162.8	61.5	70.4	94.1	167.0	669.7
14 or 15	123.8	8.8	22.4	148.9	43.5	54.5	161.5	240.8	804.2
13 and under	30.7	* 0.4	* 1.9	20.2	3.8	5.1	31.6	42.2	135.9
Still at school	* 0.5	* 0.2	* 0.8	* 0.7	* 1.0	20.7	* 0.7	37.1	61.7
Total	627.3	558.6	261.1	1,095.8	308.5	379.0	477.4	771.5	4,479.3
FEMALES									
With post-school qualifications(a)	82.9	309.9	158.6	50.9	395.7	203.4	20.1	74.7	1,296.1
Degree	15.9	172.1	12.3	3.8	37.7	19.1	* 1.9	5.2	268.1
Trade qualification or apprenticeship	7.2	* 1.8	* 1.7	30.7	10.4	18.0	3.9	15.2	88.8
Certificate or diploma	59.5	135.7	144.6	16.3	343.3	163.5	14.2	52.6	929.6
Without post-school qualifications(b)	115.6	38.7	34.3	59.2	588.7	425.8	79.6	315.2	1,657.1
Attended highest level of secondary school available	19.3	19.7	17.7	9.6	179.0	127.7	9.2	47.3	429.3
Did not attend highest level of secondary school available	95.6	18.4	16.3	48.9	406.4	295.3	69.4	264.5	1,214.8
Left at age--									
16 and over	30.0	8.0	8.1	17.5	213.5	135.5	23.8	83.3	519.7
14 or 15	54.3	10.4	7.7	29.0	185.4	151.8	35.0	152.2	625.9
13 and under	11.3	* 0.0	* 0.5	* 2.4	7.5	7.9	10.6	29.0	69.2
Still at school	* 0.3	* 0.0	* 0.2	* 1.2	* 2.7	65.2	* 0.0	13.3	82.9
Total	198.8	348.5	193.1	111.3	987.1	694.5	99.7	403.1	3,036.1
PERSONS									
With post-school qualifications(a)	383.2	810.0	340.5	750.2	494.0	332.3	169.1	258.0	3,537.2
Degree	85.2	513.8	29.4	15.3	62.8	40.0	8.6	19.0	774.1
Trade qualification or apprenticeship	127.2	32.6	72.6	668.1	41.1	64.7	105.2	138.9	1,250.3
Certificate or diploma	169.2	262.9	238.5	65.7	384.8	223.6	54.6	97.1	1,496.5
Without post-school qualifications(b)	442.1	96.9	112.7	455.0	798.0	655.2	407.4	866.3	3,833.6
Attended highest level of secondary school available	108.4	56.3	49.1	72.0	276.9	226.5	47.9	143.6	980.8
Did not attend highest level of secondary school available	330.8	39.0	62.6	380.8	515.2	425.2	356.5	714.5	2,824.5
Left at age--									
16 and over	110.7	19.4	30.0	180.3	275.0	205.9	117.9	250.2	1,189.4
14 or 15	178.1	19.2	30.1	177.9	228.9	206.3	196.5	393.0	1,430.0
13 and under	42.0	* 0.4	* 2.5	22.6	11.3	13.0	42.2	71.2	205.1
Still at school	* 0.9	* 0.2	* 1.0	* 1.9	3.7	85.9	* 0.7	50.3	144.6
Total	826.1	907.1	454.2	1,207.1	1,295.6	1,073.5	577.1	1,174.7	7,515.4

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



TABLE 11. EMPLOYED PERSONS : AGE AND EDUCATIONAL ATTAINMENT, FEBRUARY 1989

Educational attainment	Age group					55 and over	Total	
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54			
	--'000--						-per cent-	
MALES								
With post-school qualifications(a)	19.4	212.4	679.0	674.2	428.6	227.4	2,241.1	50.0
Degree	* 0.1	36.6	168.8	174.3	85.0	41.1	506.0	11.3
Trade qualification or apprenticeship	10.2	124.5	358.0	313.0	230.7	125.1	1,161.5	25.9
Certificate or diploma	8.9	50.1	149.8	185.6	112.0	60.5	566.9	12.7
Without post-school qualifications(b)	297.0	329.9	517.7	452.3	318.0	261.7	2,176.5	48.6
Attended highest level of secondary school available	101.3	127.7	149.2	103.2	42.3	27.8	551.4	12.3
Did not attend highest level of secondary school available	195.6	201.2	364.0	346.1	272.0	230.8	1,609.7	35.9
Left at age--								
16 and over	123.4	134.5	202.2	124.5	53.1	31.9	669.7	15.0
14 or 15	71.8	65.9	152.0	194.5	174.6	145.4	804.2	18.0
13 and under	* 0.4	* 0.8	9.8	27.1	44.3	53.5	135.9	3.0
Still at school	61.7	* 0.0	..	..	..	..	61.7	1.4
Total	378.1	542.3	1,196.7	1,126.5	746.6	489.1	4,479.3	100.0
FEMALES								
With post-school qualifications(a)	51.3	193.0	411.1	370.3	193.0	77.4	1,296.1	42.7
Degree	* 0.3	36.1	109.3	81.5	29.0	11.9	268.1	8.8
Trade qualification or apprenticeship	* 2.7	16.1	22.6	25.0	15.7	6.7	88.8	2.9
Certificate or diploma	47.3	139.9	276.4	260.5	147.3	58.1	929.6	30.6
Without post-school qualifications(b)	214.2	268.7	382.9	411.4	268.1	111.9	1,657.1	54.6
Attended highest level of secondary school available	104.1	117.1	98.4	65.5	29.9	14.5	429.3	14.1
Did not attend highest level of secondary school available	109.8	150.6	282.3	341.9	235.1	95.1	1,214.8	40.0
Left at age--								
16 and over	70.9	103.4	153.7	120.7	52.7	18.3	519.7	17.1
14 or 15	38.6	46.7	122.1	200.8	157.3	60.3	625.9	20.6
13 and under	* 0.2	* 0.5	6.5	20.3	25.1	16.6	69.2	2.3
Still at school	82.7	* 0.2	..	..	..	..	82.9	2.7
Total	348.2	461.9	793.9	781.7	461.1	189.3	3,036.1	100.0
PERSONS								
With post-school qualifications(a)	70.7	405.4	1,090.1	1,044.5	621.7	304.8	3,537.2	47.1
Degree	* 0.4	72.7	278.2	255.9	114.0	52.9	774.1	10.3
Trade qualification or apprenticeship	12.9	140.6	380.6	338.0	246.4	131.8	1,250.3	16.6
Certificate or diploma	56.2	190.0	426.3	446.1	259.4	118.7	1,496.5	19.9
Without post-school qualifications(b)	511.2	598.6	900.6	863.7	586.1	373.6	3,833.6	51.0
Attended highest level of secondary school available	205.4	244.8	247.6	168.6	72.1	42.2	980.8	13.1
Did not attend highest level of secondary school available	305.3	351.8	646.3	688.0	507.2	326.0	2,824.5	37.6
Left at age--								
16 and over	194.3	237.9	355.9	245.2	105.9	50.3	1,189.4	15.8
14 or 15	110.5	112.5	274.1	395.4	331.9	205.6	1,430.0	19.0
13 and under	* 0.6	* 1.3	16.3	47.4	69.4	70.1	205.1	2.7
Still at school	144.4	* 0.2	..	..	..	..	144.6	1.9
Total	726.3	1,004.1	1,990.6	1,908.2	1,207.8	678.4	7,515.4	100.0

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

TABLE 12. UNEMPLOYED PERSONS : AGE, EDUCATIONAL ATTAINMENT, UNEMPLOYMENT RATE AND UNEMPLOYMENT/POPULATION RATIO, FEBRUARY 1989

Educational attainment	Age group						Total
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54	55 and over	
UNEMPLOYED PERSONS ('000)							
With post-school qualifications(a)	10.4	25.1	55.7	37.8	22.1	15.0	166.1
Degree	* 0.0	5.1	12.4	9.5	4.1	* 1.2	32.3
Trade qualification or apprenticeship	* 1.5	3.7	15.1	9.3	7.8	9.3	46.8
Certificate or diploma	8.9	15.3	27.6	18.0	9.7	4.1	83.6
Without post-school qualifications(b)	110.4	75.6	88.2	53.3	31.7	25.7	385.0
Attended highest level of secondary school available	44.4	23.0	15.5	8.7	* 3.0	* 2.3	96.9
Did not attend highest level of secondary school available	65.6	52.2	71.6	44.0	28.5	22.1	283.9
Left at age--							
16 and over	34.8	28.5	32.8	14.9	3.7	3.6	118.3
14 or 15	30.6	23.5	35.6	25.6	19.8	12.3	147.4
13 and under	* 0.1	* 0.3	* 3.2	3.5	5.0	6.2	18.3
Still at school	37.3	* 0.0	..	..	..	..	37.3
Total	158.1	100.7	144.0	91.1	53.8	40.7	588.4
UNEMPLOYMENT RATE (per cent)							
With post-school qualifications(a)	12.8	5.8	4.9	3.5	3.4	4.7	4.5
Degree	* 0.0	6.6	4.3	3.6	3.5	* 2.2	4.0
Trade qualification or apprenticeship	* 10.3	2.6	3.8	2.7	3.1	6.6	3.6
Certificate or diploma	13.6	7.4	6.1	3.9	3.6	3.4	5.3
Without post-school qualifications(b)	17.8	11.2	8.9	5.8	5.1	6.4	9.1
Attended highest level of secondary school available	17.8	8.6	5.9	4.9	* 4.0	* 5.1	9.0
Did not attend highest level of secondary school available	17.7	12.9	10.0	6.0	5.3	6.4	9.1
Left at age--							
16 and over	15.2	10.7	8.4	5.7	3.4	6.7	9.0
14 or 15	21.7	17.2	11.5	6.1	5.6	5.6	9.3
13 and under	* 16.7	* 19.0	* 16.4	6.8	6.7	8.1	8.2
Still at school	20.5	* 0.0	..	..	..	..	20.5
Total	17.9	9.1	6.7	4.6	4.3	5.7	7.3
UNEMPLOYMENT/POPULATION RATIO (per cent)							
With post-school qualifications(a)	12.1	5.3	4.1	3.1	2.9	1.6	3.4
Degree	* 0.0	5.9	3.8	3.2	3.1	* 1.0	3.4
Trade qualification or apprenticeship	* 10.3	2.5	3.6	2.5	2.7	2.2	2.8
Certificate or diploma	12.7	6.7	4.7	3.3	2.9	1.0	3.8
Without post-school qualifications(b)	15.0	9.2	6.5	4.3	3.4	1.2	5.3
Attended highest level of secondary school available	13.9	7.2	4.7	4.0	* 2.9	* 1.3	6.6
Did not attend highest level of secondary school available	15.9	10.5	7.1	4.4	3.5	1.2	5.0
Left at age--							
16 and over	13.8	9.0	6.2	4.4	2.4	1.6	6.5
14 or 15	19.2	13.2	7.9	4.4	3.7	1.0	4.7
13 and under	* 12.6	* 8.7	* 9.9	4.3	3.9	1.4	2.7
Still at school	6.6	* 0.0	..	..	..	..	6.6
Total	11.4	7.8	5.3	3.7	3.2	1.3	4.7

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

TABLE 13. UNEMPLOYED PERSONS : AGE AND EDUCATIONAL ATTAINMENT, FEBRUARY 1989

Educational attainment	Age group						55 and over	Total
	15 - 19	20 - 24	25 - 34	35 - 44	45 - 54			
	--'000--							per cent.
MALES								
With post-school qualifications(a)	* 2.9	9.2	28.1	17.3	11.4	13.5	82.5	25.8
Degree	* 0.0	* 3.3	6.9	5.1	* 1.9	* 0.8	18.0	5.6
Trade qualification or apprenticeship	* 0.7	* 2.9	13.8	8.2	6.8	9.0	41.5	13.0
Certificate or diploma	* 2.2	* 3.0	7.4	3.5	* 2.7	* 3.4	22.2	6.9
Without post-school qualifications(b)	56.2	44.4	55.5	23.4	19.3	21.0	219.8	68.7
Attended highest level of secondary school available	20.1	12.1	9.9	* 3.2	* 1.7	* 1.7	48.7	15.2
Did not attend highest level of secondary school available	35.7	32.0	44.7	20.0	17.6	18.7	168.8	52.7
Left at age--								
16 and over	17.6	16.9	20.4	5.2	* 2.0	3.5	65.6	20.5
14 or 15	18.1	14.8	22.0	12.4	12.6	9.2	89.1	27.8
13 and under	* 0.0	* 0.3	* 2.3	* 2.4	* 3.1	6.0	14.1	4.4
Still at school	17.9	* 0.0	..	..	..	..	17.9	5.6
Total	77.0	53.6	83.6	40.7	30.7	34.5	320.2	100.0
FEMALES								
With post-school qualifications(a)	7.5	15.9	27.6	20.5	10.7	* 1.5	83.6	31.2
Degree	* 0.0	* 1.8	5.5	4.4	* 2.2	* 0.4	14.2	5.3
Trade qualification or apprenticeship	* 0.8	* 0.9	* 1.3	* 1.1	* 1.0	* 0.3	5.3	2.0
Certificate or diploma	6.7	12.3	20.2	14.4	7.0	* 0.7	61.4	22.9
Without post-school qualifications(b)	54.3	31.2	32.7	29.9	12.3	4.7	165.2	61.6
Attended highest level of secondary school available	24.4	10.9	5.6	5.5	* 1.3	* 0.6	48.3	18.0
Did not attend highest level of secondary school available	29.9	20.2	26.8	24.0	10.8	* 3.4	115.1	42.9
Left at age--								
16 and over	17.2	11.6	12.4	9.7	* 1.7	* 0.1	52.6	19.6
14 or 15	12.6	8.7	13.6	13.2	7.1	* 3.1	58.3	21.7
13 and under	* 0.1	* 0.0	* 0.8	* 1.1	* 2.0	* 0.2	4.2	1.6
Still at school	19.4	* 0.0	..	..	..	..	19.4	7.2
Total	81.1	47.1	60.3	50.3	23.1	6.2	268.2	100.0
PERSONS								
With post-school qualifications(a)	10.4	25.1	55.7	37.8	22.1	15.0	166.1	28.2
Degree	* 0.0	5.1	12.4	9.5	4.1	* 1.2	32.3	5.5
Trade qualification or apprenticeship	* 1.5	3.7	15.1	9.3	7.8	9.3	46.8	8.0
Certificate or diploma	8.9	15.3	27.6	18.0	9.7	4.1	83.6	14.2
Without post-school qualifications(b)	110.4	75.6	88.2	53.3	31.7	25.7	385.0	65.4
Attended highest level of secondary school available	44.4	23.0	15.5	8.7	* 3.0	* 2.3	96.9	16.5
Did not attend highest level of secondary school available	65.6	52.2	71.6	44.0	28.5	22.1	283.9	48.3
Left at age--								
16 and over	34.8	28.5	32.8	14.9	3.7	3.6	118.3	20.1
14 or 15	30.6	23.5	35.6	25.6	19.8	12.3	147.4	25.0
13 and under	* 0.1	* 0.3	* 3.2	3.5	5.0	6.2	18.3	3.1
Still at school	37.3	* 0.0	..	..	..	..	37.3	6.3
Total	158.1	100.7	144.0	91.1	53.8	40.7	588.4	100.0

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

TABLE 14. UNEMPLOYED PERSONS : DURATION OF CURRENT PERIOD OF UNEMPLOYMENT AND EDUCATIONAL ATTAINMENT, FEBRUARY 1989

Educational attainment	Duration of current period of unemployment (weeks)							Total	Average 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 under 104	104 and over			
MALES										
				--'000--					-- weeks --	
With post-school qualifications(a)	12.1	14.1	11.8	7.4	11.6	9.5	16.0	82.5	56.3	17
Degree	4.1	4.2	* 3.3	* 1.3	* 2.7	* 1.2	* 1.3	18.0	29.1	8
Trade qualification or apprenticeship	4.8	7.8	4.3	* 3.4	5.6	5.8	9.7	41.5	68.9	26
Certificate or diploma	* 3.3	* 2.0	4.2	* 2.7	* 3.1	* 2.4	4.4	22.2	53.3	20
Without post-school qualifications(b)	31.2	30.1	28.3	30.5	24.8	29.7	45.3	219.8	60.9	19
Attended highest level of secondary school available	10.0	10.6	8.8	6.7	4.2	4.4	4.0	48.7	27.8	9
Did not attend highest level of secondary school available	20.7	19.2	19.3	23.3	20.3	25.1	40.9	168.8	70.6	26
Left at age--										
16 and over	9.2	8.6	7.6	11.3	8.3	9.0	11.6	65.6	55.8	19
14 or 15	10.4	9.7	10.4	10.0	11.1	13.7	23.7	89.1	77.4	28
13 and under	* 1.1	* 0.9	* 1.2	* 2.0	* 1.0	* 2.4	5.5	14.1	96.5	52
Still at school	6.5	4.8	* 3.2	* 2.0	* 1.0	* 0.2	* 0.3	17.9	10.7	5
Total	49.8	48.9	43.3	39.9	37.4	39.3	61.6	320.2	56.9	16
				--per cent--						
Proportion of unemployed persons	15.6	15.3	13.5	12.5	11.7	12.3	19.2	100.0	. .	. .
FEMALES										
				--'000--					-- weeks --	
With post-school qualifications(a)	28.9	17.5	9.3	7.7	8.2	6.8	5.2	83.6	23.2	6
Degree	4.0	* 3.1	* 3.4	* 0.9	* 1.3	* 1.4	* 0.2	14.2	16.2	8
Trade qualification or apprenticeship	* 1.8	* 0.9	* 0.3	* 0.7	* 0.8	* 0.4	* 0.3	5.3	28.5	7
Certificate or diploma	22.0	12.9	5.6	5.8	5.9	5.0	4.3	61.4	23.9	5
Without post-school qualifications(b)	44.3	30.0	21.4	16.6	16.8	17.1	19.0	165.2	35.7	9
Attended highest level of secondary school available	14.6	10.6	9.0	4.0	4.6	4.2	* 1.3	48.3	17.2	7
Did not attend highest level of secondary school available	29.8	19.0	12.1	12.3	12.2	12.5	17.1	115.1	42.3	10
Left at age--										
16 and over	12.6	11.9	5.8	5.1	4.3	5.9	7.0	52.6	37.6	8
14 or 15	16.4	7.1	5.4	7.2	6.9	5.9	9.2	58.3	45.1	13
13 and under	* 0.8	* 0.0	* 0.8	* 0.0	* 1.0	* 0.7	* 0.9	4.2	61.9	26
Still at school	6.0	3.7	* 2.9	* 1.7	3.5	* 1.2	* 0.5	19.4	16.9	8
Total	79.2	51.2	33.6	25.9	28.5	25.1	24.7	268.2	30.5	8
				--per cent--						
Proportion of unemployed persons	29.5	19.1	12.5	9.7	10.6	9.4	9.2	100.0	. .	. .
PERSONS										
				--'000--					-- weeks --	
With post-school qualifications(a)	41.0	31.6	21.1	15.1	19.8	16.3	21.2	166.1	39.6	9
Degree	8.0	7.3	6.7	* 2.2	4.0	* 2.7	* 1.5	32.3	23.4	8
Trade qualification or apprenticeship	6.7	8.8	4.6	4.1	6.4	6.2	10.0	46.8	64.3	19
Certificate or diploma	25.2	15.0	9.8	8.4	9.0	7.4	8.7	83.6	31.7	8
Without post-school qualifications(b)	75.5	60.0	49.7	47.1	41.6	46.8	64.3	385.0	50.1	13
Attended highest level of secondary school available	24.6	21.1	17.8	10.7	8.8	8.6	5.3	96.9	22.5	8
Did not attend highest level of secondary school available	50.5	38.2	31.4	35.7	32.5	37.6	58.1	283.9	59.1	18
Left at age--										
16 and over	21.8	20.4	13.4	16.5	12.6	14.9	18.7	118.3	47.7	13
14 or 15	26.9	16.9	15.9	17.2	18.0	19.6	33.0	147.4	64.6	21
13 and under	* 1.9	* 0.9	* 2.1	* 2.0	* 2.0	* 3.1	6.4	18.3	88.6	52
Still at school	12.5	8.5	6.1	3.6	4.5	* 1.3	* 0.8	37.3	13.9	6
Total	129.0	100.1	76.9	65.8	66.0	64.4	86.3	588.4	44.9	11
				--per cent--						
Proportion of unemployed persons	21.9	17.0	13.1	11.2	11.2	10.9	14.7	100.0	. .	. .

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

## APPENDIX A

## 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.

*Main field of study:* respondents with a degree; trade qualification or apprenticeship; 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.

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

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

*Note:* Definitions of labour force and demographic classifications appearing in this publication are given in *The Labour Force, Australia* (6203.0).

## APPENDIX B

### 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 1989 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 for those without post-school qualifications, it included whether they completed the highest level of secondary schooling available, and if not, at what age they left school.

#### Scope

3. The scope of this supplementary survey includes all persons aged 15 and over 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.

4. In the tables, "All Persons" refers to all persons within the scope of the survey.

#### Coverage

5. 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

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

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

#### Results of the survey

8. 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).

9. 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.

10. A publication *Labour Force Status and Educational Attainment, Australia, February 1989, Summary* (6240.0) containing a summary of the results of the survey was released on 24 July 1989.

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

12. It is proposed that this survey will be conducted next in February 1990.

#### Unpublished tables

13. In some cases, the ABS can also make available information which is not published. This information may be made available in one or more of the following forms: microfiche, photocopy, data tape, computer printout, manually extracted tabulation. In general, a charge is made for providing unpublished information. Inquiries should be made to Ms Nicole Wittmann in Canberra on (062) 52 6578 or to Information Services in the nearest ABS Office.

#### Discontinuities in the series

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

15. Estimates for the years 1986 to 1988 have been revised in line with a change in the method of weighting. Visitors to private dwellings and institutionalised persons have been excluded from the base population benchmarks.

#### Survey sample redesign

16. 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).

### Sample size

17. In previous years this supplementary survey has been conducted on 75 per cent of the dwellings selected in the Labour Force Survey. From February 1989 this has been expanded to the full sample size. As a result the standard errors for this survey differ from those applicable to previous surveys.

### Estimation procedure

18. 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

19. Estimates in this publication are subject to sampling and non-sampling error. For more information refer to the Technical Note, Appendix C.

### Related publications

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

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

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

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

*National Schools Statistics Collection, Australia* (4221.0)—issued annually.

21. 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 the Technical Note, Appendix C.
- . . no applicable
- r revised

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

### Electronic services

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

**AUSSTATS.** Thousands of up-to-date time series are available on this ABS on-line service through PAXUS COMNET.

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## APPENDIX C

### TECHNICAL NOTE

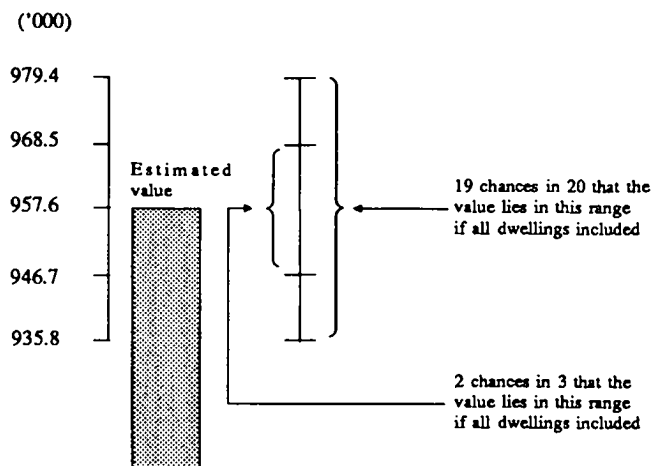
#### Estimation procedure

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

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

3. An example of the calculation and the use of standard errors in relation to estimates of persons is as follows. Table 5 shows the estimated number of persons with a Degree qualification in February 1989 is 957,600. Since this estimate is between 500,000 and 1,000,000 in the standard error table, the standard error for Australia will be between 8,400 and 11,100 and can be approximated by interpolation as 10,900 (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 946,700 to 968,500 and about nineteen chances in twenty that the value will fall within the range 935,800 to 979,400. 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 957,600 persons with a Degree qualification in February 1989, 806,400 or 84.2 per cent participated in the labour force. The standard error of 806,400 is approximately 10,100 so the relative standard error is 1.3 per cent. The relative standard error for 957,600 is 1.1 per cent. Applying the above formula, the relative standard error of the proportion is  $\sqrt{(1.3)^2 + (1.1)^2}$  or 0.7 per cent, giving a standard error for the proportion (84.2 per cent) of 0.6 percentage points. Therefore, there are about two chances in three that the participation rate of persons with a Degree qualification in February 1989 is between 83.6 per cent and 84.8 per cent and nineteen chances in twenty the proportion is within the range 83.0 per cent to 85.4 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 in reporting by interviewers and respondents, and errors

made in coding and processing data. Inaccuracies of this kind are referred to as the *non-sampling error*, and they may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

### STANDARD ERRORS OF ESTIMATES

[illegible]

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