



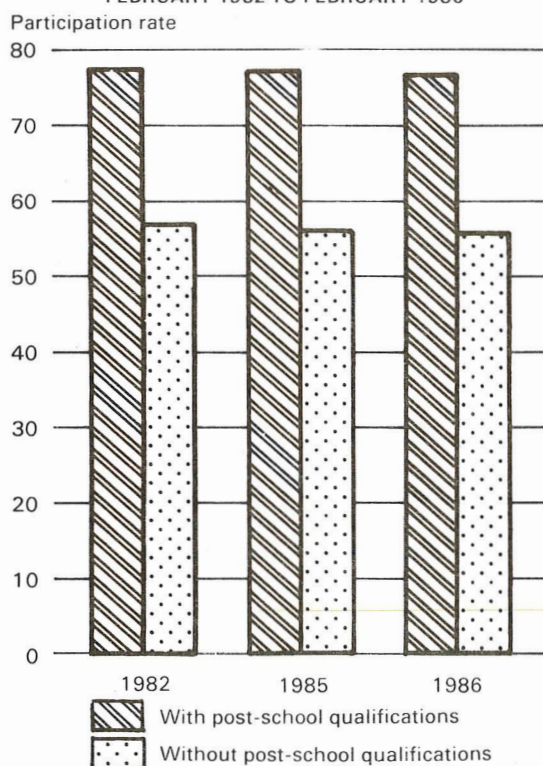
LABOUR FORCE STATUS AND EDUCATIONAL ATTAINMENT, AUSTRALIA, FEBRUARY 1986 (PRELIMINARY)

- PHONE INQUIRIES**
- *about these statistics*—contact Ms Joan ten Brummelaar on Canberra (062) 52 6661 or any ABS State office.
 - *about other statistics and ABS services*,—contact Information Services on Canberra (062) 52 6627, or any ABS State office.
- MAIL INQUIRIES**
- *write to Information Services*, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any ABS State office.
- ON VIATEL**
- key *656# for selected economic, social and demographic statistics on VIATEL.

MAIN FEATURES

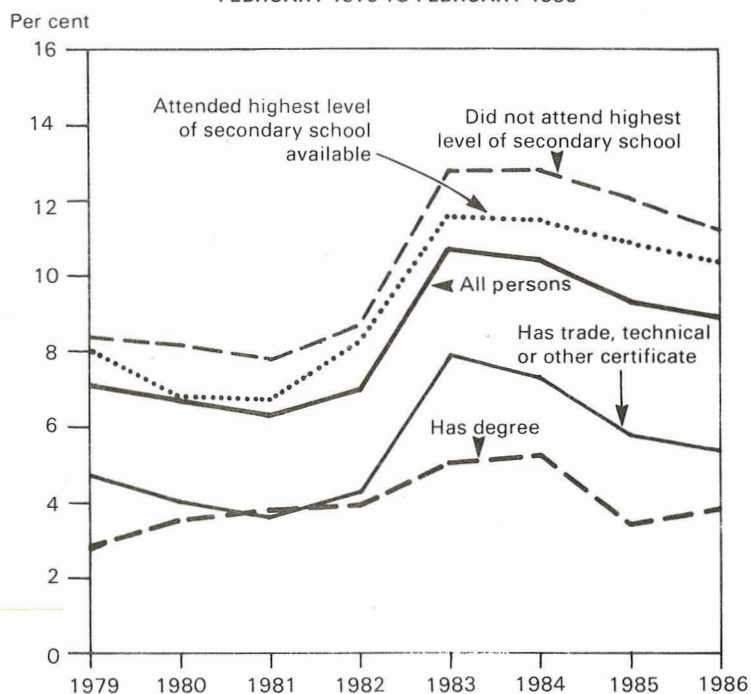
In February 1986 there were 12,101,100 persons aged 15 years and over in the civilian population, and 7,490,600 in the labour force. Of those in the labour force 3,238,900 (43.2 per cent) had a post-school qualification; 74.5 per cent (2,413,700) of these had trade or technical qualifications, 22.3 per cent (721,900) had degrees and the remaining 3.2 per cent had some other post-school qualification. As in previous years the largest group of persons who were not in the labour force and had post-school qualifications was females with trade or technical qualifications (493,600 or 50.7 per cent).

CIVILIAN POPULATION : EDUCATIONAL ATTAINMENT,
LABOUR FORCE PARTICIPATION RATES,
FEBRUARY 1982 TO FEBRUARY 1986



The participation rate of persons with post-school qualifications was 76.9 per cent in February 1986. This is much higher than the participation rate of persons without post-school qualifications of 55.7 per cent. Whereas the participation rate for persons without post-school qualifications has fallen slightly between 1982 and 1986 the rate for persons with post-school qualifications has remained unchanged.

PERSONS IN THE LABOUR FORCE : EDUCATIONAL
ATTAINMENT, UNEMPLOYMENT RATE,
FEBRUARY 1979 TO FEBRUARY 1986



Unemployment rates varied according to educational attainment — persons with a degree had the lowest rate at February 1986 (3.8 per cent) whilst persons with no post-school qualifications who had not attended the highest level of secondary school had the highest rate of 11.2 per cent.

Note: Survey estimates are subject to sampling variability, as explained in paragraph 13 following.

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 1986 labour force survey conducted throughout Australia.

2. Of the respondents to the labour force survey, those who fell within the scope of the supplementary were asked additional questions. This subset of respondents was asked about their highest educational qualifications. For persons with post-school qualifications, the information sought includes field of study, and for those who did not complete their schooling, it includes the age at which they left school.

Scope

3. The scope of this supplementary survey was the same as that used for the labour force survey (described in full in *The Labour Force, Australia* (6203.0)) except that it excluded students boarding at school, some patients in hospitals and sanatoria and inmates of jails, reformatories etc. Visitors to private dwellings were also excluded.

Definitions

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

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

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

- (a) *Degree:* a bachelor degree (including honours), a graduate or post-graduate diploma, masters degree or a doctorate;
- (b) *Trade; technical or other certificate:* completion of an approved trade/technician apprenticeship or training course, other certificate or diploma in secretarial or business studies, administration, teaching, nursing, etc.;
- (c) *Other:* completion of other post-secondary education, e.g. adult education, preparatory/bridging course or hobby course.

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

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

Results of the survey

9. This publication contains only a summary of the results of the survey. Estimates shown are preliminary and may be revised. Further information is available on request and a more detailed publication will be released as soon as possible.

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

Comparability of the estimates

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

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

Reliability of the estimates

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

- (a) *sampling error:* since the estimates are based on information obtained from occupants of a sample of dwellings they are subject to sampling variability; that is, they may differ from the figures that would have been produced if all dwellings had been included in the survey. One measure of the likely difference is given by the *standard error*. More information about this topic will be found in *The Labour Force, Australia* (6203.0). A table of estimated standard errors for this survey follows these notes. Estimates with a standard error of more than about 25 per cent have not been shown in this publication, as the degree of sampling variability would seriously detract from their value for most reasonable uses. Although figures for these small components can, in some cases, be derived by subtraction they should not be regarded as reliable; and
- (b) *non-sampling error:* inaccuracies may occur because of imperfections in reporting by interviewers and respondents and errors made in the coding and processing of data. These inaccuracies may occur in any enumeration, whether it be a full count or a sample. Every effort is made to reduce the non-sampling error to a minimum by careful design of questionnaires, intensive training and supervision of interviewers and efficient operating procedures.

Related publications

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

The Labour Force, Australia (6203.0)—issued monthly (\$1.20, \$2.10 incl. postage).

Transition from Education to Work, Australia, May 1985 (6227.0)—issued annually.

15. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0). The ABS also issues, on Tuesdays and Fridays, a *Publications Advice* (1105.0) which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- * subject to sampling variability too high for most practical uses. See paragraph 13 above.
- n.e.c. not elsewhere classified
- .. not applicable
- r figures or series revised since previous issue

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

IAN CASTLES
Australian Statistician

STANDARD ERRORS OF ESTIMATES

Size of estimate (Persons)	Approximate standard error of estimates		Size of estimate (Persons)	Approximate standard error of estimates	
	Persons	Per cent of estimate		Persons	Per cent of estimate
4,500	1,050	23.9	200,000	6,100	3.0
6,000	1,250	20.7	500,000	8,700	1.7
10,000	1,600	16.0	1,000,000	11,200	1.1
20,000	2,250	11.1	2,000,000	14,200	0.7
50,000	3,400	6.8	5,000,000	19,100	0.4
100,000	4,550	4.6	10,000,000	23,500	0.2
			12,000,000	24,700	0.2

TABLE 1. UNEMPLOYED PERSONS : EDUCATIONAL ATTAINMENT, UNEMPLOYMENT RATE, AVERAGE AND MEDIAN DURATION OF UNEMPLOYMENT, FEBRUARY 1981 TO FEBRUARY 1986

DURATION OF UNEMPLOYMENT BY EDUCATIONAL ATTAINMENT							
Educational attainment							
With post-school qualifications				Without post-school qualifications			
Degree	Trade; technical or other certificate	Total(a)	Attended highest secondary level	Did not attend highest level of secondary school	Total(b)	Total(c)	
MALES							
Unemployment rate (per cent)							
1981	2.7	2.5	2.6	5.7	7.1	6.8	5.3
1982	2.3	2.9	2.7	6.8	8.1	7.8	5.8
1983	3.6	7.2	6.5	10.8	12.8	12.4	10.0
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	2.7	4.5	4.3	9.7	11.2	10.9	8.1
Average duration (weeks)							
1981	19.4	25.2	23.9	26.2	41.1	38.6	34.5
1982	20.6	31.0	29.0	22.3	37.5	34.9	32.9
1983	20.2	23.3	23.4	24.8	37.7	35.2	31.2
1984	34.7	35.3	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	36.6	48.7	47.2	35.6	65.2	59.3	54.3
Median duration (weeks)							
1981 r	9	9	9	11	19	16	12
1982 r	8	11	11	10	14	13	12
1983 r	11	12	12	12	19	17	14
1984 r	13	21	19	15	39	32	26
1985 r	12	15	14	12	29	26	22
1986	11	12	12	10	27	24	17
FEMALES							
Unemployment rate (per cent)							
1981	6.9	5.5	6.0	8.2	8.8	8.7	8.0
1982	7.7	7.2	7.3	10.6	9.5	9.7	9.1
1983	8.0	9.4	9.2	12.9	12.9	12.9	11.8
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	5.8	7.1	7.2	11.4	11.2	11.3	10.0
Average duration (weeks)							
1981	16.4	22.9	20.8	21.3	31.8	30.0	26.8
1982	12.8	20.4	19.4	20.1	31.8	29.2	25.6
1983	23.6	22.4	23.3	24.1	36.5	33.8	30.5
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	12.1	25.8	23.8	21.6	34.5	31.6	28.3
Median duration (weeks)							
1981 r	10	10	9	10	11	11	10
1982 r	8	8	8	8	11	10	9
1983 r	9	9	9	10	14	13	12
1984 r	8	9	9	12	18	16	13
1985 r	5	8	9	10	19	14	12
1986	5	7	7	8	11	10	9
PERSONS							
Unemployment rate (per cent)							
1981	3.8	3.6	3.7	6.7	7.8	7.5	6.3
1982	3.9	4.3	4.2	8.2	8.7	8.6	7.0
1983	5.0	7.9	7.4	11.6	12.8	12.6	10.7
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	3.8	5.4	5.3	10.4	11.2	11.1	8.9
Average duration (weeks)							
1981	17.8	24.0	22.2	24.0	37.0	34.8	30.9
1982	15.9	25.2	23.6	21.2	35.0	32.4	29.4
1983	22.0	23.0	23.4	24.5	37.2	34.6	30.9
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	23.4	38.0	35.9	29.2	52.5	47.5	42.7
Median duration (weeks)							
1981 r	9	9	9	11	15	13	11
1982 r	8	9	9	9	12	11	10
1983 r	9	10	11	11	17	16	13
1984 r	10	15	13	13	28	26	19
1985 r	9	13	12	10	26	20	16
1986	7	11	10	9	19	15	12

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

**TABLE 2. CIVILIAN POPULATION : EDUCATIONAL ATTAINMENT AND
LABOUR FORCE STATUS, FEBRUARY 1986**

Educational attainment	Employed			Unem- ployed	In the labour force	Not in the labour force	Total	Partic- ipation rate	Unem- ployment rate
	Full-time	Part-time	Total						
— '000—									
—per cent—									
MALES									
With post-school qualifications	1,921.3	70.3	1,991.6	88.7	2,080.4	358.4	2,438.8	85.3	4.3
Degree	436.4	20.3	456.7	12.7	469.4	56.7	526.2	89.2	2.7
Trade; technical or other certificate	1,443.0	47.4	1,490.4	70.0	1,560.4	294.0	1,854.4	84.1	4.5
Other	41.8	*	44.5	6.0	50.5	7.7	58.2	86.8	11.8
Without post-school qualifications	2,021.2	126.2	2,147.4	262.2	2,409.7	858.7	3,268.3	73.7	10.9
Attended highest level of secondary school available	460.8	41.6	502.4	54.0	556.3	134.9	691.3	80.5	9.7
Did not attend highest level of secondary school available	1,555.3	84.2	1,639.5	207.6	1,847.1	712.3	2,559.5	72.2	11.2
Left at age—									
18 and over	34.4	*	36.7	*	40.2	7.3	47.5	84.6	*
16 or 17	529.4	24.8	554.2	66.1	620.2	93.6	713.8	86.9	10.7
14 or 15	845.7	46.6	892.3	120.9	1,013.3	443.4	1,456.7	69.6	11.9
13 and under	145.8	10.5	156.4	17.1	173.5	168.0	341.4	50.8	9.9
Never attended school	5.0	*	5.5	*	6.1	11.4	17.6	35.0	*
Still at school(a)	*	39.7	41.5	17.0	58.5	192.1	250.6	23.3	29.0
Total	3,944.3	236.2	4,180.5	367.9	4,548.5	1,409.2	5,957.7	76.3	8.1
FEMALES									
With post-school qualifications	739.5	335.9	1,075.4	83.1	1,158.5	616.1	1,774.6	65.3	7.2
Degree	182.7	55.0	237.7	14.8	252.5	86.1	338.6	74.6	5.8
Trade; technical or other certificate	529.0	263.6	792.6	60.6	853.3	493.6	1,346.9	63.4	7.1
Other	27.8	17.3	45.1	7.7	52.8	36.3	89.1	59.2	14.6
Without post-school qualifications	959.3	553.1	1,512.4	193.0	1,705.4	2,416.2	4,121.6	41.4	11.3
Attended highest level of secondary school available	250.7	105.1	355.8	45.6	401.5	282.0	683.5	58.7	11.4
Did not attend highest level of secondary school available	706.1	446.7	1,152.8	145.9	1,298.7	2,108.7	3,407.4	38.1	11.2
Left at age—									
18 and over	14.1	*	18.0	*	21.5	18.2	39.7	54.1	*
16 or 17	296.8	153.1	449.9	60.7	510.6	412.9	923.5	55.3	11.9
14 or 15	346.2	259.0	605.2	72.9	678.1	1,360.0	2,038.1	33.3	10.7
13 and under	48.9	30.6	79.5	8.9	88.4	317.7	406.1	21.8	10.0
Never attended school	*	*	*	*	5.3	25.4	30.7	17.2	*
Still at school(a)	*	58.6	59.1	19.2	78.3	169.0	247.2	31.6	24.5
Total	1,699.3	947.6	2,646.8	295.3	2,942.2	3,201.2	6,143.4	47.9	10.0
PERSONS									
With post-school qualifications	2,660.8	406.3	3,067.0	171.8	3,238.9	974.5	4,213.4	76.9	5.3
Degree	619.1	75.3	694.4	27.5	721.9	142.9	864.8	83.5	3.8
Trade; technical or other certificate	1,972.1	311.0	2,283.0	130.6	2,413.7	787.6	3,201.3	75.4	5.4
Other	69.6	20.0	89.6	13.7	103.3	44.0	147.3	70.1	13.3
Without post-school qualifications	2,980.5	679.3	3,659.8	455.2	4,115.0	3,274.9	7,389.9	55.7	11.1
Attended highest level of secondary school available	711.6	146.7	858.2	99.6	957.8	417.0	1,374.8	69.7	10.4
Did not attend highest level of secondary school available	2,261.4	530.9	2,792.3	353.5	3,145.8	2,821.1	5,966.9	52.7	11.2
Left at age—									
18 and over	48.5	6.2	54.7	6.9	61.6	25.5	87.2	70.7	11.3
16 or 17	826.2	177.9	1,004.1	126.8	1,130.9	506.4	1,637.3	69.1	11.2
14 or 15	1,192.0	305.6	1,497.6	193.8	1,691.4	1,803.4	3,494.8	48.4	11.5
13 and under	194.8	41.1	235.9	26.0	261.9	485.7	747.6	35.0	9.9
Never attended school	7.5	*	9.3	*	11.4	36.8	48.2	23.7	*
Still at school(a)	*	98.2	100.6	36.2	136.8	361.1	497.8	27.5	26.4
Total	5,643.6	1,183.8	6,827.4	663.3	7,490.6	4,610.4	12,101.1	61.9	8.9

(a) Aged 15 to 20 only.

TABLE 3. CIVILIAN POPULATION : EDUCATIONAL ATTAINMENT AND AGE, FEBRUARY 1986
(* 000)

Educational attainment	Age group						Total
	15-19	20-24	25-34	35-44	45-54	55 and over	
MALES							
With post-school qualifications	32.0	250.6	671.5	608.7	386.8	489.1	2,438.8
Degree	*	34.0	172.2	156.4	79.5	84.1	526.2
Trade; technical or other certificate	25.9	207.9	484.5	439.4	299.9	396.7	1,854.4
Other	6.1	8.7	14.8	12.9	7.5	8.3	58.2
Without post-school qualifications	395.6	407.2	612.1	519.4	407.4	926.6	3,268.3
Attended highest level of secondary school available	140.0	154.6	167.7	94.4	48.8	85.8	691.3
Did not attend highest level of secondary school available	255.6	252.1	442.3	423.4	354.8	831.3	2,559.5
Left at age—							
18 and over	*	8.6	18.3	9.3	*	4.6	47.5
16 or 17	139.0	136.4	185.1	110.6	56.1	86.6	713.8
14 or 15	112.2	102.8	224.6	254.5	228.8	533.8	1,456.7
13 and under	*	*	14.4	49.0	66.2	206.2	341.4
Never attended school	*	*	*	*	*	9.5	17.6
Still at school(a)	249.9	*	..	..	..	..	250.6
Total	677.6	658.4	1,283.6	1,128.1	794.3	1,415.6	5,957.7
FEMALES							
With post-school qualifications	61.0	242.9	546.1	416.0	218.2	290.4	1,774.6
Degree	*	44.1	140.2	83.2	33.1	37.6	338.6
Trade; technical or other certificate	55.1	186.7	385.4	310.1	174.4	235.1	1,346.9
Other	5.5	12.1	20.5	22.6	10.7	17.8	89.1
Without post-school qualifications	343.9	410.5	735.7	685.3	543.6	1,402.5	4,121.6
Attended highest level of secondary school available	135.4	138.7	153.9	86.7	51.1	117.7	683.5
Did not attend highest level of secondary school available	208.5	270.7	580.3	595.2	487.4	1,265.2	3,407.4
Left at age—							
18 and over	*	7.1	11.8	5.2	5.4	6.6	39.7
16 or 17	110.4	154.3	261.7	167.6	80.7	148.7	923.5
14 or 15	92.6	105.7	287.6	363.4	319.5	869.3	2,038.1
13 and under	*	*	19.3	59.0	81.9	240.6	406.1
Never attended school	*	*	*	*	5.1	19.5	30.7
Still at school(a)	245.9	*	..	..	..	..	247.2
Total	650.9	654.7	1,281.7	1,101.3	761.9	1,692.9	6,143.4
PERSONS							
With post-school qualifications	93.1	493.5	1,217.6	1,024.7	605.1	779.5	4,213.4
Degree	*	78.1	312.4	239.7	112.6	121.7	864.8
Trade; technical or other certificate	81.1	394.6	870.0	749.5	474.4	631.8	3,201.3
Other	11.6	20.8	35.3	35.5	18.2	26.0	147.3
Without post-school qualifications	739.5	817.7	1,347.7	1,204.8	951.1	2,329.0	7,389.9
Attended highest level of secondary school available	275.5	293.3	321.6	181.1	99.9	203.5	1,374.8
Did not attend highest level of secondary school available	464.1	522.8	1,022.6	1,018.6	842.2	2,096.6	5,966.9
Left at age—							
18 and over	6.7	15.7	30.0	14.5	9.1	11.3	87.2
16 or 17	249.5	290.7	446.8	278.2	136.8	235.4	1,637.3
14 or 15	204.8	208.5	512.2	617.9	548.3	1,403.1	3,494.8
13 and under	*	7.9	33.6	108.0	148.1	446.8	747.6
Never attended school	*	*	*	5.1	9.0	29.0	48.2
Still at school(a)	495.8	*	..	..	..	..	497.8
Total	1,328.4	1,313.1	2,565.3	2,229.4	1,556.2	3,108.6	12,101.1

(a) Aged 15 to 20 only.

TABLE 4. EMPLOYED PERSONS : OCCUPATION AND EDUCATIONAL ATTAINMENT, FEBRUARY 1986
(' 000)

Occupation	With post-school qualifications			Without post-school qualifications				
	Degree	Trade; technical or other certificate	Total (a)	Attended highest secondary level	Did not attend highest level of secondary school and left at age		Total (b)	Total (c)
					16 and over	15 and under		
Professional, technical, etc.	488.5	423.6	914.0	76.9	32.9	27.6	137.4	1,052.0
Administrative, executive and managerial	67.3	168.9	243.8	73.4	73.4	96.9	244.0	487.8
Clerical	68.9	360.9	454.7	283.2	262.6	232.2	777.9	1,248.5
Sales	19.1	141.2	170.3	96.0	126.6	175.1	397.9	615.1
Farmers, fisherpersons and timbergetters, etc.	14.0	98.0	121.6	53.1	74.3	203.8	331.4	457.1
Miners and quarry workers	*	12.4	14.3	*	8.1	15.9	26.5	40.7
Transport and communication	5.9	83.7	95.0	28.7	62.5	152.4	243.6	338.8
Trades and production-process workers and labourers, n.e.c.	16.0	801.5	835.2	149.4	311.3	584.0	1,050.4	1,897.6
Service, sport and recreation	13.4	192.8	218.3	95.1	107.1	245.7	450.6	689.6
Total	694.4	2,283.0	3,067.0	858.2	1,058.8	1,733.5	3,659.8	6,827.4

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

TABLE 5. UNEMPLOYED PERSONS : DURATION OF CURRENT PERIOD OF UNEMPLOYMENT AND EDUCATIONAL ATTAINMENT, FEBRUARY 1986

Duration of current period of unemployment (weeks)		With post-school qualifications			Without post-school qualifications			Total (b)	Total (c)			
		Degree	Trade; technical or other certificate	Total (a)	Attended highest secondary level	Did not attend highest level of secondary school and left at age						
						16 and over	15 and under					
—' 000—											(per cent)	
1 and under	4	8.6	31.6	42.0	18.9	22.4	34.7	76.0	129.8	19.6		
4 "	8	4.8	18.0	24.1	17.5	22.5	21.9	62.2	92.5	14.0		
8 "	13	4.9	19.3	26.7	22.6	20.7	21.5	65.1	100.1	15.1		
13 "	26	}	5.7	{	15.8	21.3	12.7	17.6	26.8	57.4	81.6	12.3
26 "	52		16.9		21.4	6.9	18.3	29.3	54.5	78.9	11.9	
52 "	104		12.2		15.9	11.6	15.6	31.4	59.5	79.1	11.9	
104 and over		*	16.8	20.3	9.3	16.6	54.1	80.6	101.2	15.3		
Total		27.5	130.6	171.8	99.6	133.7	219.8	455.2	663.3	100.0		
—weeks—												
Average duration		23.4	38.0	35.9	29.2	35.6	62.8	47.5	42.7	..		
Median duration		7	11	10	9	12	25	15	12	..		

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

