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# **THE LABOUR FORCE AUSTRALIA NOVEMBER 1980**

**CATALOGUE NO. 6203.0**

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**AUSTRALIAN BUREAU OF STATISTICS Canberra**

# INQUIRIES

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# 1. LABOUR FORCE ESTIMATES

## EXPLANATORY NOTES

### Introduction

This section contains estimates of the civilian labour force derived from the population survey, which is now conducted monthly. Until February 1978, surveys were conducted in February, May, August and November each year.

2. A summary of the survey results is published in advance of this more detailed publication in *The Labour Force, Australia (Preliminary)* (6202.0). Preliminary unemployment estimates are also issued in advance of this publication in *Unemployment, Australia (Preliminary Estimates)* (6201.0).

3. Although emphasis in the survey is placed on the regular collection of data on demographic and labour force characteristics of the population, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. Statistics from these surveys are published and are available free on request. A list of titles is given on pages 29 and 30.

### The population survey

4. The survey is based on a multi-stage area sample of private dwellings (about 30,000 houses, flats, etc.) and non-private dwellings (hotels, motels, etc.), and covers about two-thirds of one per cent of the population of Australia. The information is obtained from the occupants of selected dwellings by carefully chosen and specially trained interviewers. The interviews are generally conducted during the two weeks beginning on the Monday between the 6th and 12th of each month. The information obtained relates to the week before the interview (i.e. the survey week). Because of operational problems arising from the Christmas and New Year holidays the December surveys have commenced a week earlier than usual (with most interviews being conducted during the second week) and the January surveys have commenced a week later than usual.

### Scope

5. The survey includes all persons aged fifteen years 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 visitors holidaying in Australia, and
- (d) members of non-Australian defence forces (and their dependants) stationed in Australia.

### Definitions

6. The labour force category to which a person is assigned depends on his *actual activity* (i.e. whether working, looking for work, etc.) during the survey week. The following definitions, which conform closely to the international standard definitions specified by the International Labour Organisation (ILO), relate only to those persons within the scope of the survey.

7. *Employed persons* comprise all those aged 15 years and over who, during the survey week:

- (a) worked for one hour or more for pay, profit, commission or payment in kind in a job or business, or on a farm (including employees, employers and self-employed persons); or
- (b) worked for 15 hours or more without pay in a family business or on a farm (i.e. unpaid family helpers); or were
- (c) employees who had a job but were not at work and were : on paid leave; on leave without pay for less than four weeks up to the end of the survey week; stood down without pay because of bad weather or plant breakdown at their place of employment for less than four weeks up to the end of the survey week; on strike or locked out; on workers' compensation and expected to be returning to their job; or receiving wages or salary while undertaking full-time study; or
- (d) were employers or self-employed persons who had a job, business or farm, but were not at work.

8. The *employment/population ratio* for any group is the number of employed persons expressed as a percentage of the civilian population aged fifteen years and over in the same group.

9. *Unemployed persons* are those aged 15 years and over who were not employed during the survey week, and

- (a) had actively looked for full-time or part-time work at any time in the four weeks up to the end of the survey week and:
  - (i) were available for work in the survey week, or would have been available except for temporary illness (i.e. lasting for less than four weeks to the end of the survey week); or
  - (ii) were waiting to start a new job within four weeks from the end of the survey week and would have started in the survey week if the job had been available then;
- or (b) were waiting to be called back to a full-time or part-time job from which they had been stood down without pay for less than four weeks up to the end of the survey week (including the whole of the survey week) for reasons other than bad weather or plant breakdown.

10. *Actively looking for work* includes checking or registering with the Commonwealth Employment Service or other employment agencies; writing, telephoning or applying in person to an employer; answering a newspaper advertisement for a job; advertising or tendering for work; contacting friends or relatives; and looking on factory or employment service notice boards.

11. *Unemployed persons looking for first job* are those who had never worked for two weeks or more in a full-time job. Prior to November 1977 it comprised persons who had never had a job.

12. The *unemployment rate* for any group is the number unemployed expressed as a percentage of the labour force (i.e. employed plus unemployed) in the same group.

13. *Duration of unemployment* is the period from the time the person began looking for work or was laid off to the end of the survey week. Periods of unemployment are recorded in complete weeks and this results in a slight understatement of duration. *Average (mean) duration* is the duration obtained by dividing the aggregate number of weeks a group has been unemployed by the number of persons in that group. *Median duration* is 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. Medians are calculated from group data, linear interpolation being used within the group which contains the median.

14. The *labour force* comprises all persons who, during the survey week, were employed or unemployed, as defined in paragraphs 7 and 9.

15. The *labour force participation rate* for any group is the labour force expressed as a percentage of the civilian population aged 15 years and over in the same group. Because it is not practicable to ascertain the birthplace of persons in institutions (who are classified as not in the labour force), labour force participation rates for persons classified by birthplace are calculated by using population estimates which exclude those in institutions.

16. *Full-time workers* are those who usually work 35 hours a week or more and others who, although usually part-time workers, worked 35 hours or more during the survey week. *Part-time workers* are those who usually work less than 35 hours a week and who did so during the survey week. When recording hours of work, fractions of an hour are disregarded.

17. *Hours of work.* The figures of aggregate hours and of average hours refer to actual hours worked during the survey week, not hours paid for. The figures may be affected by public holidays, leave, absenteeism; temporary absence from work due to sickness, injury, accident and industrial disputes; and stoppages of work due to bad weather, plant breakdown etc. When hours of work are recorded, fractions of an hour are disregarded and this results in slightly lower figures than would be the case if actual time worked was recorded. Persons stood down for the whole of the survey week without pay because of bad weather or plant breakdown at their place of employment are regarded as employed and therefore are included (working no hours) in the calculation of average hours worked. Persons stood down in the survey week for reasons other than bad weather and plant breakdown and waiting to be called back to their job are regarded as unemployed and are therefore excluded from the calculation.

18. *Persons attending school* comprise those who, during the survey week, were enrolled full-time at secondary or high schools. Excluded are persons who were enrolled at universities, colleges of advanced education, technical colleges, other tertiary education institutions, and coaching and business schools. Persons attending school are classified as in the labour force if they were employed or unemployed as defined in paragraphs 7 and 9.

19. *Persons not in the labour force* are those who, during the survey week, were not in the categories 'employed' or 'unemployed'. This category includes persons who were keeping house (unpaid), attending an educational institution (school, university, etc.), retired, voluntarily inactive, permanently unable to work, inmates of institutions, trainee teachers, members of contemplative religious orders, and persons whose only activity during the survey week was jury service or unpaid voluntary work for a charitable organisation, provided they had not actively looked for work in the four weeks up to the end of the survey week, and

(a) in the survey week:

- (i) were without a job, business or farm; or
- (ii) had worked for less than one hour for pay, profit, commission or payment in kind; or
- (iii) had worked for less than 15 hours without pay in a family business or farm;

or (b) had been stood down without pay for four weeks or more up to the end of the survey week.

#### Occupational status

20. The February, May, August and November issues of this publication include a table showing estimates of employed persons, obtained from the labour force survey, classified by occupational status, i.e. whether they were employers, self-employed persons, wage and salary earners (employees), or unpaid family helpers (who worked 15 hours or more in the survey week).

21. The estimates of wage and salary earners differ from estimates based on information obtained from employers' payrolls and published in *Civilian Employees, Australia* (6213.0) because of differences in definition and coverage, sources of information, methods of collection, and estimating procedures etc. For a detailed discussion of the differences see paragraph 21 of the July 1980 issue of this publication.

22. The latest issue of *Civilian Employees, Australia* (6213.0) is for April 1980. Because trends in the estimates have indicated that some revision of the series is necessary, there will be some delay in the release of future issues.

#### Classification of industry and occupation

23. Industry is classified according to the *Australian Standard Industrial Classification* (ASIC) 1978 and occupation according to the *Classification and Classified List of Occupations, Revised June 1976*.

### Population benchmarks

24. The population survey estimates are calculated in such a way as to conform to the independently estimated distribution of the population aged 15 years and over by age and sex. These independent estimates (benchmarks) are necessarily derived from incomplete information about population changes (deaths, internal and overseas migration) and can differ from estimates of the population subsequently published by the ABS. For estimates of the population and other demographic statistics reference should be made to *Australian Demographic Statistics Quarterly* (3101.0).

### Revision of series

25. Survey estimates are not revised for the usually small amendments of population benchmarks arising from new data on deaths and migration. Revisions are made, however, after each census and when population estimation bases are reviewed. Survey estimates back to August 1966 have been recalculated to conform to revised population estimates. The estimates take account of results of the 1966, 1971 and 1976 population censuses, including estimates of under-enumeration, and incorporate a revised method of measuring overseas migration gain (i.e. by excluding movements of less than one year's duration). For information concerning these population estimates for the period June 1971 to June 1977 see *Population and Vital Statistics, Australia, June Quarter 1977* (3212.0).

26. *The new sample and revised questionnaire.* Survey estimates for February 1978 and subsequent months have been obtained by using a new sample and revised questionnaire. The new sample was selected in order to reflect the changes in the distribution of the population shown by the 1976 Population Census results. The questionnaire, which had undergone little change since 1960, except for the inclusion in 1975 of additional questions on job-seeking, was revised to provide more accurate and more detailed information concerning the labour force.

27. Copies of both the current questionnaire and the one previously used, together with a description of the main features of the questionnaire, are contained in *Information Paper: Questionnaires used in the Labour Force Survey* (6232.0).

28. Estimates for the period August 1966 to November 1977 have been revised in order to provide a series for earlier periods as comparable as possible with the February 1978 and later estimates. For periods prior to August 1976, detailed revised estimates are available only for August of each year. For February, May and November only broad revised aggregates (as in Table 1) are available. Revised estimates have been published in *The Labour Force, Australia, 1978* (6204.0), which also contains information concerning the methods used in the revision.

### Comparability of series

29. When comparing estimates for February 1978 and subsequent months with those for earlier periods, it should be noted that with the introduction of monthly surveys the interviews are now conducted during a two-week period, whereas formerly the period was four weeks. This change of timing may affect the level of the figures for any month, but particularly for months during which the employment status of the population may be changing rapidly.

30. Because of the revisions, the estimates in this publication are not comparable with those shown in issues before February 1978 or in the special publications entitled *The Labour Force* (6204.0) covering the period 1964 to 1977.

31. From September 1979, industry estimates in labour force survey publications have been classified according to the 1978 version of the Australian Standard Industrial Classification (ASIC). The estimates are therefore not strictly comparable with those for periods prior to September 1979, which were classified according to the 1969 version of ASIC.

32. Occasionally the estimates of month-to-month changes in numbers employed are difficult to reconcile with what is known of developments in industry, commerce or government employment. For this reason an investigation is being undertaken of methods and procedures used in producing the estimates.

### Reliability of the estimates

33. Since the estimates in this section 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. An indication of the likely differences is given in the technical note, page 27.

### Differences between population census and population survey estimates

34. The results of the 1976 population census show that labour force figures derived from the census differ from estimates derived from the population surveys of May and August 1976.

35. The labour force definition used in the population census is similar to that used in the survey. (See paragraphs 6 to 19.) However, evidence from census post-enumeration surveys indicates that the personal interview approach, as used in the population survey, tends to identify a larger number of persons as being in the labour force than does the filling in of the questions on the census schedule by the householder. In addition, the post-enumeration survey following the 1976 census showed an under-enumeration of the population of 2.71 per cent. It has not been possible to adjust the published census labour force figures for any under-enumeration.

36. In the 1971 and 1976 censuses the minor occupation group 'Architects, engineers, surveyors, professional' was limited solely to persons holding a university degree. Other persons describing themselves in professional terms but not holding a degree were classified to minor group 'Draftsmen and technicians, n.e.c.'. Information to enable this distinction to be made in the labour force survey is not available.

37. These considerations should be borne in mind if comparisons are made between census and labour force survey estimates.

#### Seasonal adjustment

38. The move to the higher level of unemployment since 1974 appears to have been accompanied by shifts in the pattern of seasonal variation. For this reason the publication of seasonally adjusted figures of unemployment was suspended as from November 1977. The matter will be kept under review.

39. Seasonally adjusted quarterly estimates of employed persons, the labour force and labour force participation rates are published in the February, May, August and November issues. The seasonally adjusted figures are revised annually. A table of revised seasonally adjusted estimates for the period August 1976 to August 1980 was published in the August 1980 issue. Estimates for earlier periods are published in *Seasonally Adjusted Indicators, Australia* (1308.0) which also contains information on seasonal adjustment methods, etc. Calculation of seasonally adjusted monthly figures is not yet possible.

#### Additional tables

40. Labour force estimates for employed persons classified by industry and occupation and for seasonally adjusted series, are available only each quarter. Estimates relating to these characteristics are included in only some issues of this publication, as shown below.

##### *February, May, August and November—*

Average weekly hours worked: Industry and occupation

Employed persons: Occupational status of full-time and part-time workers

Employed married women: Industry and hours worked

Seasonally adjusted series.

The following estimates are available for February, May, August and November but are published only for the months shown.

##### *February—*

Employed persons—

Industry and marital status

Industry and birthplace

Occupation and marital status

Occupation and birthplace

##### *May—*

Employed persons: Occupation—major and minor groups

Employed persons: Hours worked, by industry

##### *August—*

Employed persons: Industry by occupation

##### *November—*

Employed persons—

Industry by full-time and part-time status

Occupation by full-time and part-time status

Industry by age.

Other unpublished data from labour force surveys may be available on request.

#### Related publications

41. Users may also wish to refer to the following publications which are available on request:

*Unemployment, Australia (Preliminary Estimates)* (6201.0)—issued monthly

*The Labour Force, Australia (Preliminary)* (6202.0)—issued monthly

*The Labour Force, Australia, 1979* (6204.0)

*Unemployment, Underemployment and Related Statistics, Australia, February 1978 to February 1980* (6236.0)

*The Labour Force, New South Wales* (6201.1)—issued quarterly

*The Labour Force, Victoria* (6201.2)—issued monthly

*The Labour Force, Queensland* (6201.3)—issued quarterly

*The Labour Force, South Australia* (6201.4)—issued quarterly

*Information Paper: Questionnaires used in the Labour Force Survey* (6232.0)

*Job Vacancies, Australia* (6231.0)—issued quarterly

*Overtime, Australia* (6330.0)—issued monthly

*Publications listed on pages 29 and 30.*

42. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia* (1101.0) which is available free of charge from any ABS office.

#### Symbols and other usages

\* subject to sampling variability too high for most practical uses. See paragraph 6, page 27

n.a. not available

.. not applicable

n.e.c. not elsewhere classified

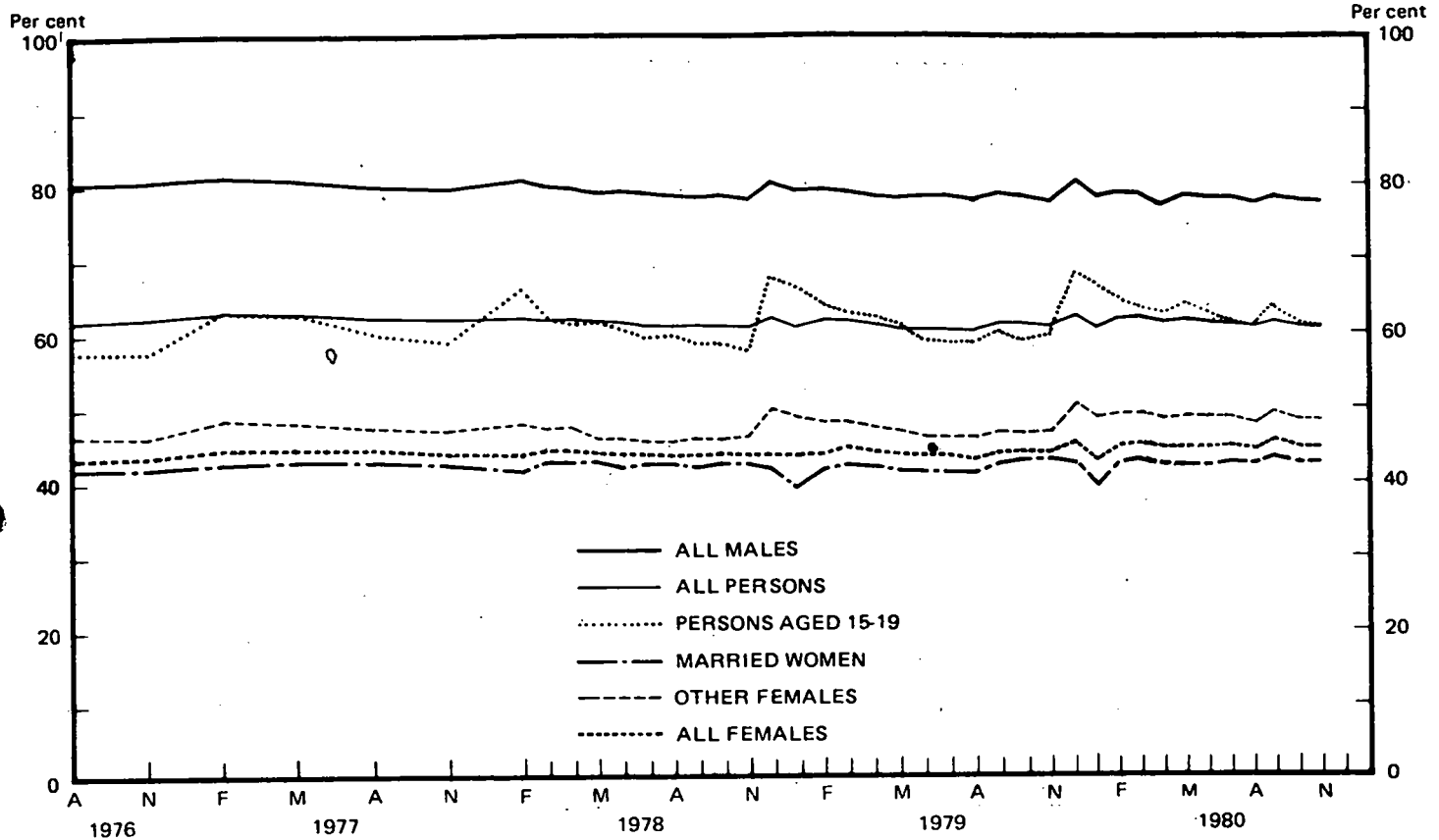
— nil or rounded to zero.

43. Figures have been rounded and discrepancies may occur between sums of the component items and totals.

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Australian Statistician

# LABOUR FORCE PARTICIPATION RATES

(THE LABOUR FORCE IN EACH GROUP AS A PERCENTAGE OF THE CIVILIAN POPULATION AGED 15 YEARS AND OVER IN THE SAME GROUP)



NOTE. From February 1978 the population survey has been conducted monthly. Previously, surveys were conducted in February, May, August and November each year.

# UNEMPLOYMENT RATES

(THE UNEMPLOYED IN EACH GROUP AS A PERCENTAGE OF THE CIVILIAN LABOUR FORCE IN THE SAME GROUP)

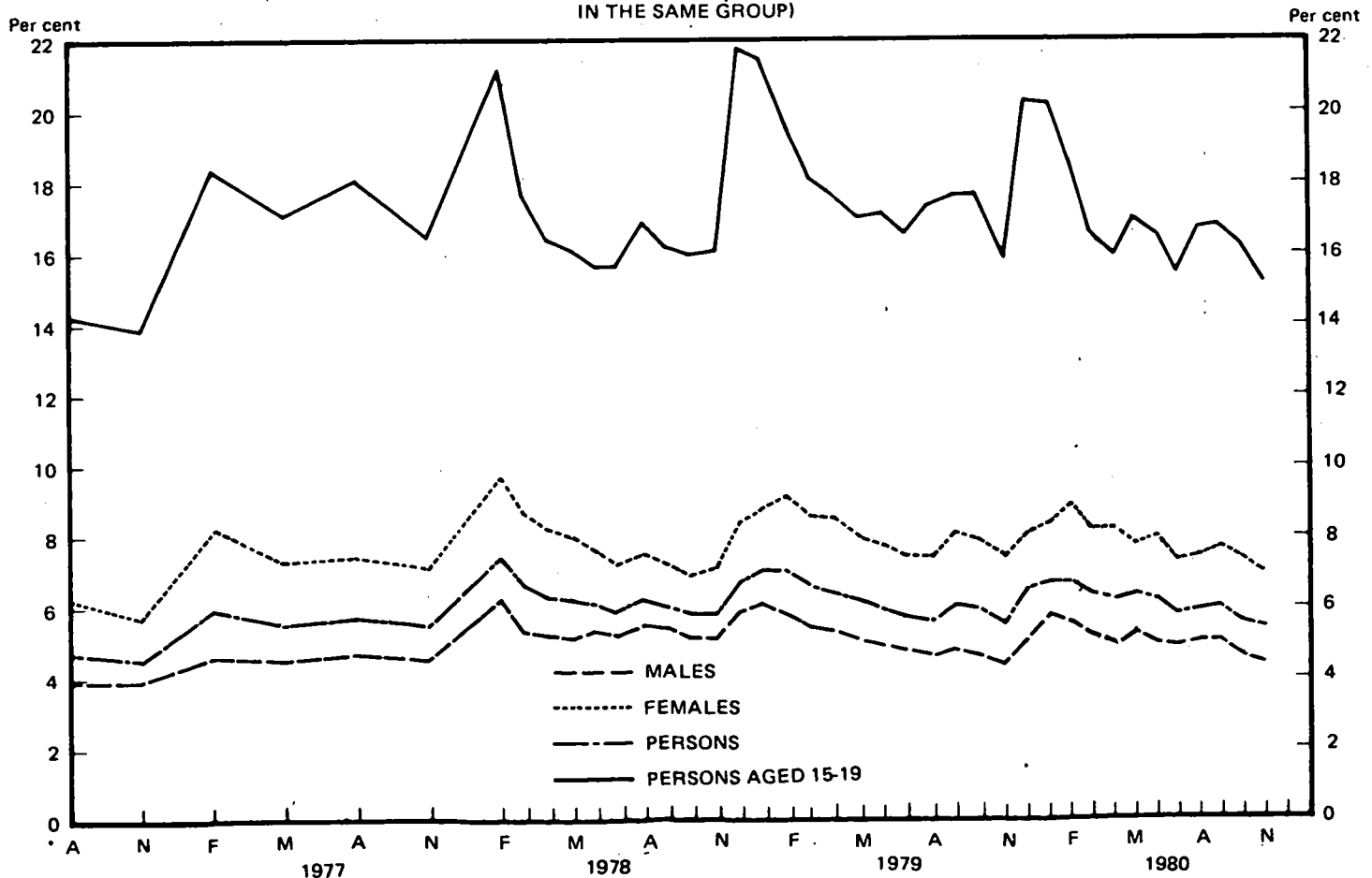


TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS(a)

Month	Employed	Unemployed								Unemploy- ment rate	Partici- pation rate	
		Looking for full-time work				Labour force	Not in labour force	Civilian population aged 15 years and over				
		Aged 15-19 years looking for first job	Total	Looking for part-time work	Total							
— '000 —											— per cent —	
MALES											0	
1979—												
October	3,930.9	23.2	178.1	17.8	195.9	4,126.8	1,157.2	5,284.1	4.7	78.1		
November	3,931.2	20.0	171.5	12.4	183.8	4,115.0	1,177.6	5,292.6	4.5	77.8		
December	3,992.3	38.5	202.2	22.0	224.2	4,216.4	1,087.4	5,303.8	5.3	79.5		
1980—												
January	3,937.6	41.2	226.9	15.4	242.3	4,179.9	1,132.1	5,312.0	5.8	78.7		
February	3,960.1	32.5	215.2	15.3	230.4	4,190.6	1,129.9	5,320.5	5.5	78.8		
March	3,971.1	24.1	196.3	15.2	211.5	4,182.6	1,145.4	5,328.0	5.1	78.5		
April	3,949.6	16.3	192.9	14.1	206.9	4,156.6	1,178.5	5,335.1	5.0	77.9		
May	3,981.2	18.7	201.0	18.9	219.9	4,201.1	1,140.6	5,341.6	5.2	78.6		
June	3,970.3	19.8	193.1	15.8	208.9	4,179.2	1,169.8	5,348.9	5.0	78.1		
July	3,984.2	17.1	190.0	15.4	205.3	4,189.5	1,168.5	5,358.0	4.9	78.2		
August	3,970.9	20.0	193.3	15.8	209.1	4,180.0	1,184.3	5,364.2	5.0	77.9		
September	4,010.0	24.9	197.9	13.2	211.1	4,221.1	1,151.0	5,372.1	5.0	78.6		
October	4,000.8	21.7	180.1	14.7	194.8	4,195.6	1,184.8	5,380.4	4.6	78.0		
November	4,006.7	22.4	171.4	11.5	182.8	4,189.6	1,202.5	5,392.1	4.4	77.7		
Standard error of—												
November 1980 estimates	13.9	2.1	4.8	1.5	5.0	14.1	9.6	..	0.1	0.3		
October to November 1980 movement	9.7	2.1	4.2	1.8	4.3	9.8	7.2	..	0.1	0.2		
MARRIED WOMEN												
1979—												
October	1,392.7	*	45.1	39.0	84.1	1,476.8	1,973.1	3,450.0	5.7	42.8		
November	1,408.5	*	41.8	34.7	76.5	1,485.0	1,980.7	3,465.7	5.1	42.8		
December	1,392.6	*	36.8	31.1	67.9	1,460.5	2,011.1	3,471.5	4.6	42.1		
1980—												
January	1,318.2	*	38.1	25.3	63.4	1,381.6	2,102.7	3,484.3	4.6	39.7		
February	1,370.7	*	48.2	36.4	84.6	1,455.3	2,006.5	3,461.9	5.8	42.0		
March	1,402.3	*	46.1	36.6	82.7	1,484.9	1,971.8	3,456.7	5.6	43.0		
April	1,392.1	*	43.2	32.7	75.9	1,467.9	1,997.5	3,465.4	5.2	42.4		
May	1,394.7	*	39.5	34.1	73.6	1,468.2	1,992.9	3,461.1	5.0	42.4		
June	1,400.0	*	42.8	35.4	78.1	1,478.2	1,987.1	3,465.3	5.3	42.7		
July	1,412.7	*	40.9	29.4	70.3	1,483.0	1,968.1	3,451.2	4.7	43.0		
August	1,412.4	*	42.2	27.6	69.7	1,482.1	1,982.7	3,464.8	4.7	42.8		
September	1,419.8	*	45.0	33.9	78.9	1,498.7	1,962.1	3,460.8	5.3	43.3		
October	1,407.5	*	39.5	34.7	74.2	1,481.7	2,000.1	3,481.8	5.0	42.6		
November	1,419.5	*	42.1	28.4	70.5	1,490.0	1,992.9	3,483.0	4.7	42.8		
Standard error of—												
November 1980 estimates	10.2	..	2.7	2.3	3.4	10.3	11.3	..	0.2	0.3		
October to November 1980 movement	7.5	..	2.6	2.4	3.1	7.6	8.2	..	0.2	0.2		

For footnote see page 9.

TABLE 1. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS(a)—continued

TABLE 1. CIVILIAN POPULATION BY SEX, AGE, AND STATUS										
Month	Unemployed						Not in labour force	Civilian population aged 15 years and over	Unemploy- ment rate	Partici- pation rate
	Employed	Looking for full-time work		Looking for part-time work	Total	Labour force				
		Aged 15-19 years looking for first job	Total							
— '000 —										
— per cent —										
ALL FEMALES										
1979—										
October	2,194.4	25.1	133.5	58.4	191.8	2,386.2	3,031.3	5,417.5	8.0	44.0
November	2,219.4	22.7	125.1	51.7	176.8	2,396.2	3,030.2	5,426.4	7.4	44.2
December	2,227.7	45.6	151.6	51.1	202.7	2,430.4	3,007.5	5,437.9	8.3	44.7
1980—										
January	2,141.5	48.4	154.1	41.4	195.5	2,337.0	3,109.3	5,446.3	8.4	42.9
February	2,213.9	40.0	160.5	53.5	214.1	2,428.0	3,026.9	5,454.9	8.8	44.5
March	2,272.1	31.5	142.8	58.1	200.9	2,473.0	2,989.2	5,462.2	8.1	45.3
April	2,242.4	28.5	146.3	51.3	197.5	2,440.0	3,030.6	5,470.6	8.1	44.6
May	2,256.6	29.8	141.6	52.1	193.7	2,450.3	3,027.2	5,477.5	7.9	44.7
June	2,262.4	26.6	144.7	52.5	197.1	2,459.6	3,025.9	5,485.5	8.0	44.8
July	2,295.8	25.6	134.8	45.2	180.0	2,475.9	3,017.8	5,493.7	7.3	45.1
August	2,275.8	26.5	139.4	43.8	183.2	2,459.0	3,041.4	5,500.4	7.5	44.7
September	2,315.3	23.6	137.6	56.8	194.4	2,509.7	2,999.2	5,508.9	7.7	45.6
October	2,285.2	24.1	127.0	53.9	180.9	2,466.1	3,050.6	5,516.7	7.3	44.7
November	2,301.8	21.1	131.3	42.8	174.1	2,476.0	3,052.4	5,528.4	7.0	44.8
Standard error of—										
November 1980 estimates	11.8	2.0	4.4	2.8	4.9	12.1	12.9	..	0.2	0.2
October to November 1980 movement	8.5	2.1	3.8	2.8	4.2	8.7	9.1	..	0.2	0.2
PERSONS										
1979—										
October	6,125.2	48.3	311.6	76.2	387.8	6,513.0	4,188.5	10,701.5	6.0	60.9
November	6,150.6	42.7	296.5	64.1	360.6	6,511.2	4,207.8	10,719.0	5.5	60.7
December	6,219.9	84.0	353.7	73.1	426.9	6,646.8	4,094.9	10,741.7	6.4	61.9
1980—										
January	6,079.1	89.7	380.9	56.9	437.8	6,516.9	4,241.4	10,758.3	6.7	60.6
February	6,174.1	72.5	375.7	68.8	444.5	6,618.6	4,156.8	10,775.4	6.7	61.4
March	6,243.2	55.6	339.1	73.3	412.4	6,655.6	4,134.6	10,790.2	6.2	61.7
April	6,192.1	44.7	339.1	65.3	404.5	6,596.5	4,209.1	10,805.7	6.1	61.0
May	6,237.8	48.4	342.6	71.0	413.6	6,651.4	4,167.7	10,819.1	6.2	61.5
June	6,232.7	46.4	337.7	68.3	406.0	6,638.8	4,195.7	10,834.4	6.1	61.3
July	6,280.0	42.7	324.8	60.6	385.4	6,665.4	4,186.3	10,851.7	5.8	61.4
August	6,246.7	46.5	332.6	59.7	392.3	6,639.0	4,225.7	10,864.7	5.9	61.1
September	6,325.3	48.6	335.5	70.0	405.5	6,730.8	4,150.2	10,881.0	6.0	61.9
October	6,286.0	45.9	307.1	68.6	375.7	6,661.7	4,235.4	10,897.1	5.6	61.1
November	6,308.5	43.5	302.7	54.3	357.0	6,665.5	4,254.9	10,920.5	5.4	61.0
Standard error of—										
November 1980 estimates	15.8	2.8	6.0	3.0	6.3	16.0	14.2	..	0.1	0.1
October to November 1980 movement	10.8	2.6	4.9	3.0	5.2	10.9	9.9	..	0.1	0.1

(a) For information on standard errors see technical note, page 27.

**TABLE 2. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS AND MARITAL STATUS, NOVEMBER 1980**

	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				— '000 —				— per cent —	
<b>Males—</b>									
Married	2,773.1	65.1	*	68.2	2,841.2	659.1	3,500.3	2.4	81.2
Other(a)	1,233.7	106.2	8.4	114.6	1,348.3	543.4	1,891.7	8.5	71.3
<b>Total</b>	<b>4,006.7</b>	<b>171.4</b>	<b>11.5</b>	<b>182.8</b>	<b>4,189.6</b>	<b>1,202.5</b>	<b>5,392.1</b>	<b>4.4</b>	<b>77.7</b>
<b>Females—</b>									
Married	1,419.5	42.1	28.4	70.5	1,490.0	1,992.9	3,483.0	4.7	42.8
Other(a)	882.3	89.2	14.4	103.7	985.9	1,059.5	2,045.4	10.5	48.2
<b>Total</b>	<b>2,301.8</b>	<b>131.3</b>	<b>42.8</b>	<b>174.1</b>	<b>2,476.0</b>	<b>3,052.4</b>	<b>5,528.4</b>	<b>7.0</b>	<b>44.8</b>
<b>Persons</b>	<b>6,308.5</b>	<b>302.7</b>	<b>54.3</b>	<b>357.0</b>	<b>6,665.5</b>	<b>4,254.9</b>	<b>10,920.5</b>	<b>5.4</b>	<b>61.0</b>

(a) Comprises never married, widowed and divorced.

**TABLE 3. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS, STATES AND TERRITORIES, NOVEMBER 1980**

State or Territory	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
				— '000 —				— per cent —	
<b>MALES</b>									
N.S.W.	1,407.8	58.0	*	61.9	1,469.6	427.1	1,896.7	4.2	77.5
Vic.	1,068.7	42.2	*	44.5	1,113.2	313.5	1,426.7	4.0	78.0
Qld	605.7	23.6	*	25.7	631.4	203.7	835.0	4.1	75.6
S.A.	351.9	22.8	*	24.3	376.2	110.9	487.1	6.5	77.2
W.A.	362.6	15.1	*	16.3	378.9	93.5	472.4	4.3	80.2
Tas.	113.1	5.7	*	5.9	118.9	35.6	154.6	4.9	76.9
N.T.	35.6	*	*	*	36.9	5.8	42.7	*	86.4
A.C.T.	61.6	2.6	*	2.9	64.5	12.4	76.9	4.4	83.9
<b>Australia</b>	<b>4,006.7</b>	<b>171.4</b>	<b>11.5</b>	<b>182.8</b>	<b>4,189.6</b>	<b>1,202.5</b>	<b>5,392.1</b>	<b>4.4</b>	<b>77.7</b>
<b>FEMALES</b>									
N.S.W.	795.7	43.8	11.5	55.3	851.0	1,109.7	1,960.8	6.5	43.4
Vic.	631.9	37.2	13.8	51.0	683.0	793.6	1,476.6	7.5	46.3
Qld	345.3	18.2	8.2	26.4	371.7	478.6	850.3	7.1	43.7
S.A.	202.7	14.9	4.4	19.3	222.0	281.2	503.1	8.7	44.1
W.A.	203.8	10.7	3.4	14.0	217.8	246.5	464.3	6.4	46.9
Tas.	61.1	4.2	*	5.2	66.3	91.6	157.9	7.9	42.0
N.T.	18.5	*	*	*	19.5	15.4	34.9	*	55.8
A.C.T.	42.8	*	*	*	44.6	35.8	80.5	*	55.5
<b>Australia</b>	<b>2,301.8</b>	<b>131.3</b>	<b>42.8</b>	<b>174.1</b>	<b>2,476.0</b>	<b>3,052.4</b>	<b>5,528.4</b>	<b>7.0</b>	<b>44.8</b>
<b>PERSONS</b>									
N.S.W.	2,203.4	101.9	15.4	117.2	2,320.7	1,536.8	3,857.5	5.1	60.2
Vic.	1,700.6	79.4	16.1	95.5	1,796.1	1,107.1	2,903.3	5.3	61.9
Qld	950.9	41.8	10.4	52.2	1,003.1	682.2	1,685.3	5.2	59.5
S.A.	554.5	37.7	6.0	43.7	598.2	392.0	990.2	7.3	60.4
W.A.	566.4	25.8	4.6	30.3	596.7	340.0	936.7	5.1	63.7
Tas.	174.2	9.9	*	11.1	185.3	127.2	312.5	6.0	59.3
N.T.	54.1	2.2	*	2.3	56.4	21.3	77.6	4.1	72.6
A.C.T.	104.4	4.1	*	4.7	109.1	48.3	157.3	4.3	69.3
<b>Australia</b>	<b>6,308.5</b>	<b>302.7</b>	<b>54.3</b>	<b>357.0</b>	<b>6,665.5</b>	<b>4,254.9</b>	<b>10,920.5</b>	<b>5.4</b>	<b>61.0</b>

**TABLE 4. CIVILIAN POPULATION AGED 15 YEARS AND OVER, BY EMPLOYMENT STATUS, STATE CAPITAL CITIES, NOVEMBER 1980**

STATE CAPITAL CITIES, NOVEMBER 1968									
Capital city	Employed	Unemployed			Labour force	Not in labour force	Civilian population aged 15 years and over	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work	Total					
		— '000 —							
MALES									
Sydney	890.9	35.4	•	38.3	929.1	263.9	1,193.0	4.1	77.9
Melbourne	763.7	30.8	•	32.9	796.6	221.6	1,018.2	4.1	78.2
Brisbane	273.2	10.8	•	12.1	285.3	93.1	378.4	4.2	75.4
Adelaide	245.9	19.6	•	21.0	266.9	83.5	350.4	7.9	76.2
Perth	245.5	12.6	•	13.5	259.0	69.7	328.6	5.2	78.8
Hobart	44.5	2.4	•	2.5	47.0	15.8	62.8	5.2	74.8
Total	2,463.7	111.6	8.7	120.2	2,583.9	747.6	3,331.5	4.7	77.6
FEMALES									
Sydney	547.9	22.1	9.1	31.2	579.1	687.4	1,266.5	5.4	45.7
Melbourne	471.1	27.9	10.3	38.2	509.3	558.4	1,067.7	7.5	47.7
Brisbane	168.6	9.5	3.8	13.3	181.9	224.9	406.8	7.3	44.7
Adelaide	150.0	11.5	3.6	15.1	165.1	208.9	374.0	9.1	44.1
Perth	152.9	8.4	2.7	11.1	163.9	182.0	345.9	6.8	47.4
Hobart	28.4	2.0	•	2.7	31.0	34.9	66.0	8.6	47.1
Total	1,518.9	81.3	30.2	111.5	1,630.4	1,896.4	3,526.8	6.8	46.2
PERSONS									
Sydney	1,438.8	57.5	12.0	69.4	1,508.2	951.3	2,459.5	4.6	61.3
Melbourne	1,234.8	58.6	12.4	71.1	1,305.9	780.0	2,085.9	5.4	62.6
Brisbane	441.8	20.3	5.0	25.3	467.2	318.0	785.2	5.4	59.5
Adelaide	395.9	31.1	5.0	36.1	432.0	292.4	724.4	8.4	59.6
Perth	398.3	21.0	3.6	24.6	422.9	251.7	674.6	5.8	62.7
Hobart	72.9	4.4	•	5.1	78.0	50.7	128.7	6.6	60.6
Total	3,982.6	192.9	38.8	231.7	4,214.3	2,644.0	6,858.3	5.5	61.4

**TABLE 5. CIVILIAN POPULATION AGED 15 YEARS AND OVER BY EMPLOYMENT STATUS: AUSTRALIAN CAPITAL TERRITORY, NOVEMBER 1980**

	Persons						
	Males	Married women	All females	Total	Aged 15-19 years	Aged 20-24 years	Aged 25 years and over
— '000 —							
Employed	61.6	29.2	42.8	104.4	9.6	14.8	80.0
Full-time workers	57.6	17.3	28.1	85.6	5.9	13.8	66.0
Part-time workers	4.0	11.9	14.7	18.8	3.7	•	14.0
Unemployed	2.9	•	•	4.7	•	•	2.0
Looking for full-time work	2.6	•	•	4.1	•	•	•
Looking for part-time work	•	•	•	•	•	•	•
<b>Labour force</b>	<b>64.5</b>	<b>29.7</b>	<b>44.6</b>	<b>109.1</b>	<b>11.3</b>	<b>15.8</b>	<b>82.0</b>
Not in the labour force	12.4	25.5	35.8	48.3	8.6	3.8	35.8
Aged 15-20 years attending school	3.2	•	3.5	6.7	•	•	•
<b>Civilian population</b>	<b>76.9</b>	<b>55.2</b>	<b>80.5</b>	<b>157.3</b>	<b>19.9</b>	<b>19.6</b>	<b>117.8</b>
— per cent —							
Unemployment rate	4.4	•	•	4.3	•	•	2.4
Persons looking for full-time work	4.3	•	•	4.5	•	•	•
Participation rate	83.9	53.8	55.5	69.3	56.7	80.5	69.6
Employment/population ratio	80.1	52.9	53.2	66.4	48.2	75.4	67.9
— number —							
Average weekly hours worked by employed persons(a)	38.2	28.5	29.0	34.4	n.a.	n.a.	n.a.
Average duration of unemployment (weeks)	31.2	•	•	38.4	•	•	45.0

(a) Figures of hours relate to average weekly hours worked, not hours paid for. See explanatory notes, paragraph 17.

**TABLE 6. CIVILIAN POPULATION AGED 15 TO 19 YEARS, BY EMPLOYMENT STATUS AND WHETHER ATTENDING SCHOOL(a), NOVEMBER 1980**

	Employed	Unemployed		Total	Labour force	Not in labour force	Civilian population	Unemployment rate	Participation rate
		Looking for full-time work	Looking for part-time work						
		— '000 —							
NOT ATTENDING SCHOOL									
Males	306.6	39.7	*	41.1	347.8	44.0	391.7	11.8	88.8
Females	258.0	47.8	*	49.9	308.0	65.9	373.9	16.2	82.4
Persons	564.7	87.5	*	91.1	655.7	109.9	765.7	13.9	85.6
Left school—									
Before 1979	339.3	46.7	*	48.1	387.4	52.1	439.5	12.4	88.1
1979	181.4	29.8	*	31.6	212.9	44.0	256.9	14.8	82.9
1980 to survey date	44.0	11.0	*	11.4	55.4	13.9	69.3	20.6	80.0
Age (years)—									
15	17.3	*	*	4.5	21.8	*	25.6	20.5	85.0
16	62.3	14.0	*	14.7	77.0	10.5	87.5	19.1	88.1
17	120.0	24.5	*	25.1	145.1	17.6	162.6	17.3	89.2
18	173.4	22.4	*	23.8	197.2	35.2	232.4	12.1	84.8
19	191.7	22.2	*	23.0	214.7	42.8	257.5	10.7	83.4
ATTENDING SCHOOL									
Males	42.7	10.8	4.9	15.7	58.3	203.6	262.0	26.8	22.3
Females	55.3	*	8.1	11.8	67.1	185.1	252.2	17.6	26.6
Persons	98.0	14.5	13.0	27.4	125.4	388.8	514.2	21.9	24.4
Age (years)—									
15	35.4	*	7.4	11.2	46.5	174.1	220.6	24.0	21.1
16	37.1	6.0	*	9.8	46.9	119.4	166.3	20.9	28.2
17	19.6	*	*	5.0	24.6	70.2	94.8	20.4	26.0
18 and 19	5.9	*	*	*	7.4	25.1	32.5	*	22.7

(a) For information on duration of unemployment, see Table 29.

**TABLE 7. CIVILIAN POPULATION AGED 20 TO 24 YEARS, BY EMPLOYMENT STATUS, NOVEMBER 1980**

		Unemployed							
	Employed	Looking for full-time work	Looking for part-time work	Total	Labour force	Not in labour force	Civilian population	Unemploy- ment rate	Partici- pation rate
	— '000 —							— per cent —	
Males	528.8	34.7	*	35.4	564.2	62.9	627.1	6.3	90.0
Females	398.3	32.4	5.4	37.8	436.1	183.0	619.0	8.7	70.4
Persons	927.1	67.1	6.2	73.3	1,000.3	245.9	1,246.2	7.3	80.3
Age (years)—									
20	189.4	18.4	*	19.3	208.7	49.3	258.0	9.3	80.9
21	190.5	15.5	*	16.2	206.8	48.0	254.8	7.9	81.2
22	186.9	12.2	*	13.3	200.2	50.8	251.0	6.6	79.8
23	185.6	11.4	*	13.5	199.1	44.8	243.9	6.8	81.6
24	174.7	9.6	*	10.9	185.6	52.9	238.6	5.9	77.8

TABLE 8. SEASONALLY ADJUSTED SERIES(a)

Month	Males		Married women		All females		Persons	
	Original	Seasonally adjusted	Original	Seasonally adjusted	Original	Seasonally adjusted	Original	Seasonally adjusted
EMPLOYED(' 000)								
1976—August(b)	3,836.3	3,850.3	1,337.8	1,341.1	2,061.5	2,071.5	5,897.8	5,926.7
November	3,866.0	3,871.8	1,361.6	1,344.4	2,089.0	2,070.8	5,955.0	5,942.7
1977—February	3,890.2	3,883.1	1,355.5	1,370.5	2,095.1	2,107.0	5,985.2	5,987.5
May	3,891.5	3,878.7	1,382.0	1,381.2	2,132.7	2,129.1	6,024.2	6,005.7
August	3,866.8	3,880.7	1,374.5	1,376.3	2,128.6	2,137.3	5,995.4	6,022.4
November	3,867.3	3,873.5	1,368.9	1,353.3	2,128.2	2,111.2	5,995.4	5,984.9
1978—February(c)	3,857.4	3,849.9	1,320.9	1,336.0	2,074.8	2,087.7	5,932.3	5,934.7
May	3,863.5	3,851.3	1,356.5	1,355.5	2,135.3	2,131.3	5,998.7	5,981.8
August	3,832.3	3,845.5	1,357.7	1,357.8	2,137.2	2,144.0	5,969.6	5,993.0
November	3,846.1	3,852.6	1,373.4	1,359.1	2,151.2	2,135.1	5,997.3	5,988.2
1979—February	3,893.6	3,886.0	1,346.1	1,362.1	2,125.4	2,139.3	6,018.9	6,021.6
May	3,908.3	3,896.2	1,356.3	1,355.1	2,135.0	2,131.1	6,043.3	6,027.8
August	3,904.5	3,917.5	1,347.2	1,346.0	2,136.9	2,142.2	6,041.5	6,062.2
November	3,931.2	3,937.8	1,408.5	1,394.4	2,219.4	2,203.4	6,150.6	6,142.3
1980—February	3,960.1	3,952.7	1,370.7	1,387.6	2,213.9	2,228.7	6,174.1	6,177.1
May	3,981.2	3,968.9	1,394.7	1,393.2	2,256.6	2,252.6	6,237.8	6,227.7
August	3,970.9	3,984.0	1,412.4	1,410.7	2,275.8	2,281.0	6,246.7	6,266.6
November	4,006.7	4,013.4	1,419.5	1,405.6	2,301.8	2,285.6	6,308.5	6,300.6
LABOUR FORCE (' 000)								
1976—August(b)	3,992.9	4,015.7	1,400.9	1,406.5	2,197.6	2,217.3	6,190.5	6,231.8
November	4,021.2	4,035.9	1,412.9	1,404.1	2,215.3	2,210.5	6,236.5	6,246.8
1977—February	4,076.2	4,046.6	1,438.3	1,440.9	2,281.3	2,267.1	6,357.5	6,313.7
May	4,076.2	4,067.4	1,456.6	1,457.3	2,301.8	2,300.4	6,378.0	6,367.9
August	4,056.9	4,079.7	1,451.2	1,454.9	2,297.8	2,315.5	6,354.7	6,394.3
November	4,050.4	4,067.6	1,436.6	1,430.2	2,291.9	2,290.8	6,342.2	6,359.8
1978—February(c)	4,112.4	4,081.1	1,413.6	1,417.0	2,296.9	2,283.8	6,409.3	6,364.3
May	4,072.6	4,063.9	1,440.4	1,439.9	2,321.4	2,318.3	6,394.0	6,381.8
August	4,053.8	4,075.4	1,434.9	1,436.9	2,311.5	2,327.0	6,365.3	6,401.7
November	4,052.4	4,071.7	1,436.8	1,431.9	2,314.6	2,315.5	6,367.0	6,389.4
1979—February	4,135.4	4,103.0	1,431.8	1,436.2	2,337.5	2,325.6	6,472.9	6,427.5
May	4,118.9	4,110.3	1,428.5	1,427.1	2,321.0	2,316.7	6,439.9	6,426.5
August	4,100.7	4,121.7	1,420.8	1,421.8	2,314.6	2,328.9	6,415.3	6,449.6
November	4,115.0	4,135.8	1,485.0	1,480.7	2,396.2	2,398.0	6,511.2	6,537.1
1980—February	4,190.6	4,157.1	1,455.3	1,460.6	2,428.0	2,416.4	6,618.6	6,571.5
May	4,201.1	4,192.8	1,468.2	1,466.0	2,450.3	2,445.1	6,651.4	6,637.5
August	4,180.0	4,200.8	1,482.1	1,483.0	2,459.0	2,474.1	6,639.0	6,673.9
November	4,189.6	4,211.4	1,490.0	1,486.1	2,476.0	2,478.4	6,665.5	6,693.5
PARTICIPATION RATE (per cent)								
1976—August(b)	80.0	80.4	41.5	41.6	43.0	43.4	61.3	61.7
November	80.2	80.5	41.8	41.5	43.2	43.1	61.5	61.6
1977—February	80.9	80.3	42.3	42.4	44.3	44.0	62.4	61.9
May	80.5	80.4	42.8	42.8	44.4	44.4	62.3	62.2
August	79.8	80.2	42.6	42.7	44.2	44.5	61.8	62.2
November	79.3	79.7	42.3	42.0	43.8	43.8	61.4	61.5
1978—February(c)	80.1	79.5	41.5	41.6	43.7	43.4	61.7	61.2
May	78.9	78.8	42.4	42.4	43.9	43.9	61.2	61.1
August	78.3	78.6	42.1	42.1	43.5	43.8	60.7	61.0
November	77.9	78.3	42.0	41.8	43.4	43.4	60.5	60.7
1979—February	79.1	78.5	41.4	41.6	43.6	43.4	61.2	60.7
May	78.4	78.3	41.2	41.2	43.1	43.1	60.6	60.5
August	77.8	78.2	41.3	41.3	42.9	43.1	60.1	60.4
November	77.8	78.2	42.8	42.6	44.2	44.2	60.7	61.0
1980—February	78.8	78.1	42.0	42.3	44.5	44.3	61.4	61.0
May	78.6	78.5	42.4	42.4	44.7	44.7	61.5	61.4
August	77.9	78.3	42.8	42.8	44.7	45.0	61.1	61.4
November	77.7	78.1	42.8	42.6	44.8	44.8	61.0	61.3

(a) The methods used to seasonally adjust these figures are explained in *Seasonally Adjusted Indicators, Australia 1980* (1308.0). See also paragraphs 38 and 39. (b) Affected by industrial disputes. (c) First of monthly series. For information on the change in timing of the survey see paragraph 29.

TABLE 9. CIVILIAN LABOUR FORCE, BY EMPLOYMENT STATUS AND BIRTHPLACE, NOVEMBER 1980

	Employed		Unemployed		Labour force	Unemployment rate	Participation rate(a)
	Full-time	Total	Looking for full-time work	Total			
MALES							
Born in Australia	2,746.2	2,927.0	120.2	127.9	3,054.9	4.2	78.1
Born outside Australia	1,034.1	1,079.7	51.1	54.9	1,134.7	4.8	79.5
Africa	26.4	27.7	*	*	29.0	*	85.1
America	23.0	25.9	*	*	28.0	*	79.3
Asia	105.9	111.8	7.1	7.8	119.5	6.5	77.5
Lebanon	15.1	15.6	*	*	17.8	*	78.6
Europe	819.4	850.7	39.0	41.7	892.4	4.7	79.1
Germany, Fed. Rep.	36.2	38.0	*	*	39.3	*	87.0
Greece	55.7	58.7	4.7	4.7	63.4	7.4	81.5
Italy	116.1	118.6	*	*	122.9	*	82.8
Malta	29.6	29.6	*	*	31.2	*	84.9
Netherlands	40.1	41.4	*	*	43.4	*	78.9
Poland	20.3	20.7	*	*	21.5	*	65.4
U.K. and Ireland	382.2	398.9	17.1	18.3	417.2	4.4	77.6
Yugoslavia	62.1	64.9	*	*	68.9	*	84.0
Oceania	59.4	63.7	*	*	65.7	*	85.9
New Zealand	52.4	55.9	*	*	57.5	*	88.3
MARRIED WOMEN							
Born in Australia	509.8	995.7	24.7	44.4	1,040.1	4.3	41.3
Born outside Australia	270.4	423.9	17.4	26.1	450.0	5.8	47.3
Africa	10.7	15.0	*	*	16.1	*	59.6
America	11.6	15.6	*	*	16.5	*	56.9
Asia	31.8	43.9	*	*	47.4	*	46.6
Lebanon	*	*	*	*	4.7	*	31.8
Europe	202.6	327.8	11.7	18.0	345.8	5.2	46.1
Germany, Fed. Rep.	10.3	16.1	*	*	17.3	*	50.8
Greece	20.9	28.3	*	*	29.8	*	50.4
Italy	25.8	36.6	*	*	38.2	*	39.0
Malta	*	7.9	*	*	8.8	*	34.8
Netherlands	4.9	11.6	*	*	12.1	*	33.6
Poland	6.2	7.5	*	*	7.5	*	40.3
U.K. and Ireland	88.1	158.8	5.2	8.2	166.9	4.9	47.0
Yugoslavia	22.0	28.3	*	*	30.4	*	57.3
Oceania	13.9	21.6	*	*	24.1	*	55.0
New Zealand	12.9	19.8	*	*	21.8	*	56.0
ALL FEMALES							
Born in Australia	1,085.0	1,732.2	95.1	126.5	1,858.7	6.8	45.1
Born outside Australia	387.0	569.6	36.2	47.6	617.2	7.7	47.0
Africa	14.5	19.4	*	*	20.5	*	54.4
America	15.8	20.5	*	*	21.6	*	55.8
Asia	46.4	62.0	4.6	6.1	68.2	9.0	47.4
Lebanon	5.1	6.3	*	*	7.4	*	37.8
Europe	281.7	427.5	26.4	34.9	462.4	7.6	45.3
Germany, Fed. Rep.	14.0	20.6	*	*	21.9	*	49.9
Greece	23.3	31.1	*	*	33.4	*	47.5
Italy	29.4	41.3	*	*	44.0	*	36.8
Malta	5.7	9.6	*	*	11.1	*	37.2
Netherlands	7.3	15.3	*	*	16.4	*	37.4
Poland	8.2	9.9	*	*	9.9	*	37.6
U.K. and Ireland	138.8	222.5	14.2	18.6	241.1	7.7	46.5
Yugoslavia	27.4	34.1	*	*	38.0	*	57.3
Oceania	28.7	40.1	*	*	44.5	*	61.2
New Zealand	25.7	35.1	*	*	38.7	*	62.3
PERSONS							
Born in Australia	3,831.2	4,659.2	215.4	254.4	4,913.6	5.2	61.1
Born outside Australia	1,421.1	1,649.3	87.3	102.6	1,751.9	5.9	63.9
Africa	41.0	47.1	*	*	49.6	*	69.0
America	38.8	46.5	*	*	49.7	*	67.0
Asia	152.3	173.8	11.7	13.9	187.7	7.4	63.0
Lebanon	20.2	22.0	*	*	25.2	*	59.7
Europe	1,101.0	1,278.2	65.4	76.6	1,354.8	5.7	63.1
Germany, Fed. Rep.	50.2	58.6	*	*	61.2	*	68.7
Greece	79.0	89.8	6.6	7.0	96.8	7.3	65.4
Italy	145.5	159.9	6.2	7.0	166.9	4.2	62.3
Malta	35.3	39.2	*	*	42.4	*	63.5
Netherlands	47.4	56.7	*	*	59.8	*	60.5
Poland	28.4	30.6	*	*	31.4	*	53.1
U.K. and Ireland	521.0	621.4	31.3	36.8	658.3	5.6	62.3
Yugoslavia	89.5	98.9	6.4	8.0	106.9	7.5	72.1
Oceania	88.0	103.8	5.3	6.4	110.2	5.8	73.9
New Zealand	78.1	91.0	*	5.2	96.2	5.4	75.6

(a) Excludes persons in institutions. See explanatory notes paragraph 15.

TABLE 10. CIVILIAN LABOUR FORCE, BORN OUTSIDE AUSTRALIA, BY EMPLOYMENT STATUS, AND PERIOD OF ARRIVAL IN AUSTRALIA, NOVEMBER 1980

	<i>Africa and America</i>	<i>Asia</i>	<i>Europe</i>		<i>Oceania</i>		<i>Total</i>			
			<i>U.K. and Ireland</i>	<i>Other countries</i>	<i>New Zealand</i>	<i>Total</i>	<i>Males</i>	<i>Married women</i>	<i>All females</i>	<i>Persons</i>
EMPLOYED (' 000)										
Arrived before 1961	17.3	29.3	193.9	358.5	12.6	15.8	426.0	155.4	188.8	614.8
1961-1965	10.3	17.6	125.3	100.0	6.5	9.3	169.2	70.0	93.4	262.5
1966-1970	16.9	35.3	172.1	109.6	12.2	14.4	224.1	87.5	124.1	348.2
1971-1978	40.6	77.0	114.2	76.6	35.4	39.4	212.7	96.6	135.1	347.8
1979 to survey date	8.5	14.6	16.0	12.0	24.4	24.8	47.8	14.5	28.1	76.0
UNEMPLOYED (' 000)										
Arrived before 1961	•	•	7.3	14.9	•	•	14.4	5.8	9.7	24.1
1961-1965	•	•	10.3	5.4	•	•	9.4	•	7.6	17.0
1966-1970	•	4.6	11.1	12.4	•	•	15.7	8.4	14.2	29.9
1971-1978	•	5.4	6.0	5.7	•	•	10.8	5.3	10.2	21.1
1979 to date	•	•	•	•	•	•	4.6	•	6.0	10.6
LABOUR FORCE (' 000)										
Arrived before 1961	17.7	30.5	201.2	373.4	12.8	16.2	440.4	161.1	198.5	638.9
1961-1965	10.9	17.8	135.6	105.3	6.8	9.9	178.6	73.5	100.9	279.5
1966-1970	18.4	39.9	183.2	122.0	12.3	14.7	239.7	95.9	138.3	378.1
1971-1978	42.1	82.4	120.2	82.4	37.4	41.8	223.5	101.9	145.4	368.9
1979 to survey date	10.2	17.1	18.1	13.5	26.9	27.7	52.4	17.6	34.1	86.5
UNEMPLOYMENT RATE (per cent)										
Arrived before 1961	•	•	3.6	4.0	•	•	3.3	3.6	4.9	3.8
1961-1965	•	•	7.6	5.1	•	•	5.3	•	7.5	6.1
1966-1970	•	11.6	6.1	10.1	•	•	6.5	8.7	10.3	7.9
1971-1978	•	6.6	5.0	7.0	•	•	4.8	5.2	7.0	5.7
1979 to survey date	•	•	•	•	•	•	8.8	•	17.5	12.2
PARTICIPATION RATE (per cent)(a)										
Arrived before 1961	60.0	59.1	46.7	59.4	51.7	55.6	71.2	39.6	36.1	54.6
1961-1965	66.9	75.6	73.2	67.4	85.7	84.3	87.6	52.3	53.3	71.1
1966-1970	66.8	71.6	73.8	72.9	67.7	65.0	87.4	54.8	56.1	72.6
1971-1978	75.2	63.9	72.5	69.1	82.0	78.9	84.7	54.3	56.1	70.6
1979 to survey date	60.7	44.8	68.7	64.8	87.5	84.3	78.0	42.4	50.4	64.1

(a) Excludes persons in institutions. See explanatory notes, paragraph 15.

TABLE 11. CIVILIAN LABOUR FORCE, BY AGE, NOVEMBER 1980

Age group (years)	Number (' 000)					Participation rate (per cent)				
	Males	Married women	Other females(a)	All females	Persons	Males	Married women	Other females(a)	All females	Persons
15-64	4,120.0	1,480.4	974.6	2,455.0	6,575.0	85.9	46.7	63.3	52.1	69.2
15-19	406.1	13.9	361.1	375.1	781.1	62.1	50.9	60.3	59.9	61.0
20-24	564.2	160.8	275.3	436.1	1,000.3	90.0	55.0	84.3	70.4	80.3
25-34	1,126.1	465.3	158.5	623.8	1,749.9	95.9	48.0	76.0	53.0	74.4
35-44	870.9	443.2	70.5	513.8	1,384.6	95.4	57.9	66.3	58.9	77.6
45-54	706.2	289.5	66.4	355.9	1,062.1	91.1	46.7	56.2	48.3	70.2
55-59	303.9	79.0	26.5	105.5	409.4	82.7	27.7	31.8	28.6	55.6
60-64	142.7	28.7	16.2	44.9	187.6	49.6	13.7	16.4	14.6	31.5
65 and over	69.6	9.6	11.3	21.0	90.5	11.7	3.1	2.2	2.6	6.4
<b>Total</b>	<b>4,189.6</b>	<b>1,490.0</b>	<b>985.9</b>	<b>2,476.0</b>	<b>6,665.5</b>	<b>77.7</b>	<b>42.8</b>	<b>48.2</b>	<b>44.8</b>	<b>61.0</b>

(a) Comprises never married, widowed and divorced.

TABLE 12. LABOUR FORCE PARTICIPATION RATES(a), BY AGE AND BIRTHPLACE, NOVEMBER 1980 (per cent)

Age group (years)	Born in Australia			Born outside Australia		
	Males	Females	Persons	Males	Females	Persons
15-64	85.7	51.9	68.7	88.1	53.5	71.7
15-19	62.9	60.7	61.8	58.6	56.0	57.3
20-24	91.4	71.5	81.4	87.5	66.1	77.1
25-34	96.6	52.3	74.2	95.8	55.7	76.1
35-44	95.9	56.9	76.2	95.7	63.7	81.0
45-54	91.7	47.1	69.2	90.8	52.1	73.5
55-59	83.4	26.8	54.3	83.3	33.6	59.7
60-64	48.6	14.3	30.7	54.9	16.2	35.5
65 and over	13.1	2.7	7.1	10.1	3.1	6.5
<b>Total</b>	<b>78.1</b>	<b>45.1</b>	<b>61.1</b>	<b>79.5</b>	<b>47.0</b>	<b>63.9</b>

(a) Excludes persons in institutions. See explanatory notes, paragraph 15.

TABLE 13. EMPLOYED PERSONS : FULL-TIME AND PART-TIME STATUS, BY AGE, NOVEMBER 1980 (' 000)

	Age group (years)								
	15-19	20-24	25-34	35-44	45-54	55-59	60-64	65 and over	Total
<b>MALES</b>									
Full-time workers	280.0	497.6	1,051.0	836.2	667.7	281.1	122.3	44.3	3,780.3
Part-time workers	69.3	31.2	34.6	17.3	19.9	13.2	16.9	24.1	226.5
<b>Total</b>	<b>349.3</b>	<b>528.8</b>	<b>1,085.6</b>	<b>853.5</b>	<b>687.5</b>	<b>294.3</b>	<b>139.2</b>	<b>68.5</b>	<b>4,006.7</b>
<b>MARRIED WOMEN</b>									
Full-time workers	9.1	113.1	240.2	214.0	146.7	42.7	11.6	*	780.2
Part-time workers	*	34.8	196.9	213.8	134.5	33.4	16.3	6.8	639.3
<b>Total</b>	<b>11.9</b>	<b>147.8</b>	<b>437.1</b>	<b>427.8</b>	<b>281.2</b>	<b>76.1</b>	<b>28.0</b>	<b>9.6</b>	<b>1,419.5</b>
<b>ALL FEMALES</b>									
Full-time workers	223.8	331.0	366.5	267.5	194.9	59.8	21.3	7.2	1,472.1
Part-time workers	89.6	67.2	218.8	227.7	149.0	41.5	22.6	13.4	829.7
<b>Total</b>	<b>313.4</b>	<b>398.3</b>	<b>585.4</b>	<b>495.2</b>	<b>343.9</b>	<b>101.2</b>	<b>43.9</b>	<b>20.6</b>	<b>2,301.8</b>
<b>PERSONS</b>									
Full-time workers	503.8	828.6	1,417.6	1,103.7	862.6	340.9	143.6	51.6	5,252.4
Part-time workers	158.8	98.4	253.4	245.0	168.8	54.7	39.5	37.5	1,056.2
<b>Total</b>	<b>662.7</b>	<b>927.1</b>	<b>1,671.0</b>	<b>1,348.7</b>	<b>1,031.5</b>	<b>395.6</b>	<b>183.1</b>	<b>89.1</b>	<b>6,308.5</b>

**TABLE 14. EMPLOYED PERSONS, BY INDUSTRY, OCCUPATION AND FULL-TIME AND PART-TIME STATUS, NOVEMBER 1980**  
( ' 000)

	Full-time workers			Part-time workers			Total
	Males	Females	Persons	Males	Females	Persons	Persons
<b>INDUSTRY</b>							
Agriculture and services to agriculture	262.1	44.4	306.4	18.1	47.1	65.2	371.6
Forestry and logging, fishing and hunting	28.1	*	30.3	*	*	*	33.9
Mining	79.6	5.8	85.4	*	*	*	86.8
Manufacturing	905.0	247.9	1,152.9	20.2	56.3	76.5	1,229.3
Food, beverages and tobacco	118.9	37.9	156.9	5.5	11.6	17.2	174.0
Metal products	192.6	19.2	211.8	*	5.5	8.3	220.1
Other manufacturing	593.5	190.8	784.2	11.8	39.2	51.0	835.2
Construction	425.7	19.1	444.8	16.4	30.4	46.9	491.7
Wholesale and retail trade	667.2	313.4	980.5	62.6	246.4	309.0	1,289.5
Transport and storage	283.1	37.1	320.2	13.6	15.7	29.3	349.5
Finance, property and business services	270.8	172.1	442.9	20.0	68.9	88.9	531.8
Community services	331.1	422.0	753.1	34.3	218.2	252.5	1,005.7
Recreation, personal and other services	129.0	98.8	227.8	31.5	123.2	154.6	382.4
Other industries	398.6	109.4	508.0	7.0	21.3	28.2	536.2
<b>Total employed</b>	<b>3,780.3</b>	<b>1,472.1</b>	<b>5,252.4</b>	<b>226.5</b>	<b>829.7</b>	<b>1,056.2</b>	<b>6,308.5</b>
<b>OCCUPATION</b>							
Professional, technical, etc.	454.0	304.7	758.7	32.1	120.5	152.5	911.2
Administrative, executive and managerial	342.5	42.4	384.9	8.9	12.6	21.4	406.3
Clerical	308.9	539.6	848.5	9.6	211.7	221.3	1,069.7
Sales	230.3	157.7	388.0	30.5	158.3	188.7	576.7
Farmers, fishermen, timber-getters, etc.	324.8	46.2	371.0	28.0	45.8	73.8	444.8
Transport and communication	271.8	33.0	304.8	16.2	13.6	29.8	334.5
Tradesmen, production-process workers and labourers, n.e.c.; and miners, quarrymen, etc.	1,663.9	187.7	1,851.6	65.7	49.5	115.2	1,966.8
Service, sport and recreation	184.1	160.9	345.0	35.6	217.8	253.4	598.4
<b>Total employed</b>	<b>3,780.3</b>	<b>1,472.1</b>	<b>5,252.4</b>	<b>226.5</b>	<b>829.7</b>	<b>1,056.2</b>	<b>6,308.5</b>

**TABLE 15. EMPLOYED PERSONS, BY INDUSTRY AND AGE, NOVEMBER 1980**  
( ' 000)

Industry division or subdivision	Age group (years)						Total
	15-19	20-24	25-34	35-44	45-54	55 and over	
Agriculture and services to agriculture	29.5	35.2	77.5	81.2	70.8	77.4	371.6
Mining	*	12.7	25.8	20.1	14.8	9.8	86.8
Manufacturing	129.6	170.7	311.3	258.7	215.3	143.8	1,229.3
Construction	39.9	64.1	145.9	124.4	80.0	37.4	491.7
Wholesale and retail trade	248.6	186.0	297.6	250.8	196.9	109.6	1,289.5
Transport and storage	18.7	46.4	95.8	81.7	63.4	43.6	349.5
Finance, property and business services	54.6	103.2	155.8	99.1	67.8	51.4	531.8
Community services	52.4	156.2	298.4	242.3	169.1	87.3	1,005.7
Recreation, personal and other services	50.6	66.1	97.4	73.3	53.0	41.9	382.4
Other industries	35.2	86.3	165.6	117.1	100.4	65.5	570.2
<b>Total</b>	<b>662.7</b>	<b>927.1</b>	<b>1,671.0</b>	<b>1,348.7</b>	<b>1,031.5</b>	<b>667.7</b>	<b>6,308.5</b>

**TABLE 16. AVERAGE WEEKLY HOURS WORKED BY EMPLOYED PERSONS,  
BY INDUSTRY AND OCCUPATION, NOVEMBER 1980**

	<i>Males</i>	<i>Married women</i>	<i>Other females(b)</i>	<i>All females</i>	<i>Persons</i>
<b>INDUSTRY</b>					
Agriculture and services to agriculture	55.3	30.2	37.1	31.4	49.5
Forestry and logging, fishing and hunting	41.2	*	*	*	39.3
Mining	38.7	*	*	32.2	38.2
Manufacturing	38.6	31.8	35.6	33.0	37.2
Food, beverages and tobacco	39.3	32.3	32.3	32.3	37.3
Metal products	38.8	29.7	38.2	32.5	38.1
Other manufacturing	38.4	31.9	36.0	33.2	37.0
Construction	39.6	19.3	32.3	21.0	37.7
Wholesale and retail trade	40.9	28.4	28.6	28.5	35.5
Transport and storage	39.7	28.2	35.5	31.1	38.4
Finance, property and business services	39.2	26.6	33.6	29.9	35.0
Community services	38.9	28.6	33.7	30.6	33.6
Recreation, personal and other services	39.6	24.9	27.2	25.8	31.6
Other industries	35.1	28.2	32.6	30.4	33.9
<b>Total employed</b>	<b>40.2</b>	<b>28.3</b>	<b>31.9</b>	<b>29.7</b>	<b>36.3</b>
<b>OCCUPATION</b>					
Professional, technical, etc.	39.4	29.6	34.9	31.9	35.9
Administrative, executive and managerial	46.4	38.7	41.3	39.2	45.4
Clerical	35.0	27.3	32.9	29.7	31.3
Sales	39.9	27.7	27.1	27.4	33.1
Farmers, fishermen, timber-getters, etc.	51.6	31.0	36.6	32.1	47.6
Transport and communication	40.5	27.2	34.8	30.4	39.1
Tradesmen, production-process workers and labourers, n.e.c.; and miners, quarrymen, etc.	38.3	32.0	34.5	32.7	37.6
Service, sport and recreation	35.9	24.0	27.2	25.1	29.1
<b>Total employed</b>	<b>40.2</b>	<b>28.3</b>	<b>31.9</b>	<b>29.7</b>	<b>36.3</b>

(a) Figures of hours relate to average weekly hours worked, not hours paid for. See paragraph 16, explanatory notes.

(b) Comprises never married, widowed, and divorced.

**TABLE 17. EMPLOYED MARRIED WOMEN, BY INDUSTRY AND HOURS WORKED, NOVEMBER 1980(a)**  
( ' 000)

Industry division or subdivision	Part-time workers				Full-time workers	Total
	Hours worked					
	Under 16	16-29	30-34	Total		
Agriculture and services to agriculture	25.8	13.4	*	41.8	33.2	75.0
Manufacturing	18.3	22.9	7.1	48.4	160.0	208.3
Construction	19.9	7.1	*	29.3	13.8	43.1
Wholesale and retail trade	81.6	69.4	16.6	167.5	162.7	330.2
Transport and storage	8.3	5.1	*	14.1	18.1	32.2
Finance, property and business services	28.9	21.2	9.3	59.4	68.8	128.2
Community services	71.8	75.5	28.4	175.7	218.1	393.7
Recreation, personal and other services	50.7	28.2	5.7	84.5	51.7	136.2
Other industries	10.1	6.5	*	18.8	53.9	72.6
Total	315.4	249.2	74.8	639.3	780.2	1,419.5

(a) Hours worked in the survey week, see definition, paragraph 17, explanatory notes.

TABLE 18. EMPLOYED PERSONS, BY HOURS WORKED, NOVEMBER 1980

	Males	Married women	Other females(a)	All females	Persons
NUMBER EMPLOYED (' 000)					
Weekly hours worked(b)—					
0(c)	192.7	59.9	40.3	100.2	292.9
1-15	127.3	297.1	110.7	407.8	535.0
16-29	258.8	302.6	96.2	398.7	657.5
30-34	341.4	143.6	91.6	235.2	576.7
35-39	428.9	168.4	155.3	323.8	752.7
40	1,243.4	279.2	275.2	554.4	1,797.9
41-44	227.4	42.6	39.0	81.7	309.1
45-48	352.9	40.8	32.4	73.2	426.1
49 and over	833.9	85.3	41.5	126.8	960.7
<b>Total</b>	<b>4,006.7</b>	<b>1,419.5</b>	<b>882.3</b>	<b>2,301.8</b>	<b>6,308.5</b>
WEEKLY HOURS WORKED(b)					
Aggregate weekly hours worked (million)	160.9	40.1	28.2	68.3	229.3
By full-time workers	157.3	30.0	25.5	55.5	212.8
By part-time workers	3.7	10.2	2.6	12.8	16.5
Average weekly hours worked	40.2	28.3	31.9	29.7	36.3
By full-time workers	41.6	38.4	36.9	37.7	40.5
By part-time workers	16.2	15.9	13.8	15.4	15.6
By wage and salary earners	38.2	28.2	31.7	29.7	35.0
By others(d)	49.2	28.7	37.7	29.8	43.5
Average weekly hours worked by persons who worked one hour or more in the survey week	42.2	29.5	33.5	31.0	38.1
By full-time workers	43.7	40.1	38.7	39.5	42.5
By part-time workers	17.3	16.6	14.4	16.1	16.3

(a) Comprises never married, widowed and divorced. (b) The figures relate to hours worked, not hours paid for. See explanatory notes, paragraph 17. (c) Persons who had a job from which they were absent for the whole of the survey week. See explanatory notes, paragraph 17. (d) Employers: self-employed persons; unpaid family helpers who worked 15 hours or more in the survey week.

TABLE 19. EMPLOYED PERSONS : OCCUPATIONAL STATUS OF FULL-TIME AND PART-TIME WORKERS, NOVEMBER 1980(a)

	Full-time workers			Part-time workers			Total		
	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons
Employers	246.3	49.9	296.2	10.1	50.0	60.1	256.5	99.9	356.3
Self-employed	400.0	76.6	476.7	40.2	103.2	143.4	440.3	179.8	620.1
Wage and salary earners	3,127.7	1,338.4	4,466.1	172.2	670.0	842.2	3,299.9	2,008.4	5,308.3
Unpaid family helpers(b)	6.2	7.2	13.3	*	6.6	10.5	10.1	13.7	23.8
<b>Total</b>	<b>3,780.3</b>	<b>1,472.1</b>	<b>5,252.4</b>	<b>226.5</b>	<b>829.7</b>	<b>1,056.2</b>	<b>4,006.7</b>	<b>2,301.8</b>	<b>6,308.5</b>

(a) See paragraphs 20 and 21. explanatory notes. (b) Unpaid family helpers who worked 15 hours or more a week in a family business or farm.

TABLE 20. FULL-TIME WORKERS WHO WORKED LESS THAN 35 HOURS, BY REASON, NOVEMBER 1980 (' 000)

Reason for working less than 35 hours	Males	Married women	Other females(a)	All females	Persons
Leave, holiday or flexitime	463.6	113.9	105.1	219.0	682.6
Own illness or injury	139.2	33.5	32.4	65.9	205.1
Bad weather, plant breakdown, etc.	9.7	*	*	*	10.1
Began or left job in the survey week	12.4	*	*	5.6	18.0
Stood down, on short time, insufficient work	23.2	6.8	*	10.5	33.8
Other reasons	45.5	7.0	*	10.8	56.3
<b>Total</b>	<b>693.7</b>	<b>163.8</b>	<b>148.4</b>	<b>312.2</b>	<b>1,005.9</b>

(a) Comprises never married, widowed and divorced.

**TABLE 21. PART-TIME WORKERS : WHETHER PREFERRED TO WORK MORE HOURS AND WHETHER LOOKING FOR FULL-TIME WORK, BY AGE, NOVEMBER 1980**  
( ' 000)

	Age group (years)						
	15-19	20-24	25-34	35-44	45-54	55 and over	Total
MALES							
Total	69.3	31.2	34.6	17.3	19.9	54.3	226.5
Preferred not to work more hours	49.3	20.3	27.4	14.5	14.0	49.5	175.0
Preferred to work more hours	19.9	10.9	7.2	*	5.9	4.8	51.5
Had actively looked for full-time work(a)	9.1	6.5	5.1	—	*	*	24.1
MARRIED WOMEN							
Total	*	34.8	196.9	213.8	134.5	56.5	639.3
Preferred not to work more hours	*	28.5	176.4	192.4	121.0	53.5	573.5
Preferred to work more hours	*	6.3	20.5	21.5	13.5	*	65.8
Had actively looked for full-time work(a)	*	*	4.6	5.5	—	*	12.5
ALL FEMALES							
Total	89.6	67.2	218.8	227.7	149.0	77.4	829.7
Preferred not to work more hours	65.1	49.6	192.6	202.3	133.1	73.2	715.9
Preferred to work more hours	24.4	17.7	26.3	25.4	15.8	*	113.8
Had actively looked for full-time work(a)	11.6	5.7	7.4	4.5	*	*	32.2
PERSONS							
Total	158.8	98.4	253.4	245.0	168.8	131.7	1,056.2
Preferred not to work more hours	114.5	69.9	219.9	216.8	147.1	122.6	890.9
Preferred to work more hours	44.4	28.6	33.5	28.2	21.7	9.0	165.3
Had actively looked for full-time work(a)	20.8	12.2	11.0	6.0	6.3	—	56.3

(a) In the four weeks up to the end of the survey week.

**TABLE 22. PART-TIME WORKERS : WHETHER PREFERRED TO WORK MORE HOURS AND WHETHER LOOKING FOR FULL-TIME WORK, BY HOURS WORKED, NOVEMBER 1980**  
( ' 000)

	Persons who worked in the survey week Hours worked in the survey week						Persons who did not work in the survey week(a)	Total
	1-5	6-10	11-15	16-20	21-29	30-34		
MALES								
Total	29.1	46.4	21.9	31.8	41.7	42.2	13.4	226.5
Preferred not to work more hours	21.2	36.0	15.5	22.6	32.3	35.3	12.0	175.0
Preferred to work more hours	7.8	10.3	6.5	9.3	9.4	6.9	*	51.5
Had actively looked for full-time work(b)	*	4.8	*	5.4	5.8		*	24.1
MARRIED WOMEN								
Total	70.1	117.5	100.3	129.9	119.3	74.8	27.5	639.3
Preferred not to work more hours	57.2	97.7	89.8	120.5	112.0	71.3	25.1	573.5
Preferred to work more hours	12.9	19.9	10.5	9.4	7.4	*	*	65.8
Had actively looked for full-time work(b)	6.2		5.2			*	*	12.5
ALL FEMALES								
Total	107.7	166.8	119.2	155.8	146.0	98.5	35.6	829.7
Preferred not to work more hours	84.5	138.3	103.5	137.7	130.0	90.1	31.9	715.9
Preferred to work more hours	23.3	28.6	15.7	18.0	16.1	8.5	*	113.8
Had actively looked for full-time work(b)	5.6	8.5	4.6	5.8	6.9		*	32.2
PERSONS								
Total	136.8	213.2	141.1	187.6	187.8	140.7	49.0	1,056.2
Preferred not to work more hours	105.7	174.3	119.0	160.3	162.3	125.4	43.9	890.9
Preferred to work more hours	31.1	38.9	22.1	27.3	25.5	15.3	5.1	165.3
Had actively looked for full-time work(b)	8.9	13.4	8.7	11.2	8.3	*	*	56.3

(a) Persons who had a part-time job from which they were absent for the whole of the survey week.

(b) In the four weeks up to the end of the survey week.

**TABLE 23. EMPLOYED PERSONS : EMPLOYMENT/POPULATION RATIOS BY AGE AND MARITAL STATUS, NOVEMBER 1980**  
(per cent)

Age group (years)	Married men	Other males(a)	All males	Married women	Other females(a)	All females	Persons
15-64	88.9	70.1	82.1	44.5	56.6	48.4	65.4
15-19	*	53.4	53.4	43.6	50.3	50.0	51.8
20-24	92.0	82.0	84.3	50.6	76.7	64.3	74.4
25-34	94.7	86.2	92.4	45.1	71.1	49.7	71.0
35-44	95.1	82.2	93.5	55.9	63.3	56.8	75.6
45-54	90.8	73.0	88.6	45.4	53.1	46.6	68.2
55-59	82.5	65.2	80.1	26.7	30.1	27.4	53.7
60-64	49.6	41.4	48.4	13.3	16.2	14.3	30.8
65 and over	12.5	8.8	11.5	3.1	2.2	2.5	6.3
<b>Total</b>	<b>79.2</b>	<b>65.2</b>	<b>74.3</b>	<b>40.8</b>	<b>43.1</b>	<b>41.6</b>	<b>57.8</b>

(a) Comprises never married, widowed and divorced.

**TABLE 24. UNEMPLOYED PERSONS, BY AGE, STATES, NOVEMBER 1980**  
( ' 000)

Age group (years)	New South Wales	Victoria	Queensland	South Australia	Western Australia	Tasmania	Australia(a)
<b>MALES</b>							
15-19	18.5	13.3	8.3	7.5	5.2	2.4	56.8
20-24	11.2	9.2	4.6	5.8	2.9	*	35.4
25-34	14.6	9.9	5.8	4.5	4.0	*	40.5
35 and over	17.6	12.0	7.1	6.6	4.2	*	50.1
<b>Total</b>	<b>61.9</b>	<b>44.5</b>	<b>25.7</b>	<b>24.3</b>	<b>16.3</b>	<b>5.9</b>	<b>182.8</b>
<b>FEMALES</b>							
15-19	19.1	14.9	10.6	9.1	4.9	1.9	61.7
20-24	11.6	11.3	6.4	3.5	3.0	*	37.8
25-34	11.1	14.0	5.5	3.0	3.6	*	38.4
35 and over	13.6	10.7	4.0	3.7	2.6	*	36.2
<b>Total</b>	<b>55.3</b>	<b>51.0</b>	<b>26.4</b>	<b>19.3</b>	<b>14.0</b>	<b>5.2</b>	<b>174.1</b>
<b>PERSONS</b>							
15-19	37.6	28.3	18.9	16.6	10.0	4.3	118.5
20-24	22.8	20.6	10.9	9.3	5.9	2.5	73.3
25-34	25.7	24.0	11.3	7.5	7.6	1.8	78.9
35 and over	31.1	22.8	11.0	10.3	6.8	2.5	86.3
<b>Total</b>	<b>117.2</b>	<b>95.5</b>	<b>52.2</b>	<b>43.7</b>	<b>30.3</b>	<b>11.1</b>	<b>357.0</b>

(a) Includes the Northern Territory and the Australian Capital Territory.

**TABLE 25. UNEMPLOYED PERSONS, BY AGE AND WHETHER LOOKING FOR FULL-TIME OR PART-TIME WORK, NOVEMBER 1980**

	Number unemployed ('000)					Unemployment rate (per cent)				
	Married men	All males	Married women	All females	All persons	Married men	All males	Married women	All females	All persons
<b>LOOKING FOR FULL-TIME WORK</b>										
Total	65.1	171.4	42.1	131.3	302.7	2.4	4.3	5.1	8.2	5.4
Aged 15-19 years	*	50.5	*	51.5	102.0	*	15.3	*	18.7	16.8
Looking for first job	*	22.4	*	21.1	43.5	..	..	..	..	..
Not looking for first job	*	28.1	*	30.4	58.5	..	..	..	..	..
Attending school	*	10.8	*	*	14.5	n.a.	n.a.	n.a.	n.a.	n.a.
Aged 20 years and over	64.6	120.9	40.5	79.9	200.7	2.4	3.3	5.0	6.0	4.1
20-24 years	5.5	34.7	8.9	32.4	67.1	4.1	6.5	7.3	8.9	7.5
25-34 years	22.6	39.7	15.3	24.0	63.8	2.8	3.6	6.0	6.2	4.3
35-44 years	12.8	16.6	8.3	11.2	27.8	1.7	1.9	3.8	4.0	2.5
45-54 years	14.0	17.5	5.4	8.2	25.7	2.3	2.6	3.6	4.1	2.9
55 years and over	9.7	12.4	*	*	16.4	2.4	2.7	*	*	3.0
Aged 15-64 years	64.9	171.2	42.1	131.1	302.3	2.4	4.4	5.1	8.2	5.5
<b>LOOKING FOR PART-TIME WORK</b>										
Total	*	11.5	28.4	42.8	54.3	*	4.8	4.3	4.9	4.9
Aged 15-19 years	*	6.3	*	10.2	16.5	*	8.3	*	10.3	9.4
Attending school	*	4.9	*	8.1	13.0	*	10.5	*	13.0	11.9
Aged 20 years and over	*	5.2	28.0	32.6	37.8	*	3.2	4.2	4.2	4.0
20-24 years	*	*	*	5.4	6.2	*	*	*	7.5	5.9
25-34 years	*	*	12.9	14.3	15.1	*	*	6.2	6.2	5.6
35-44 years	*	*	7.1	7.4	8.2	*	*	3.2	3.2	3.2
45-54 years	}	*	*	5.4	4.9	}	*	*	2.3	2.8
55 years and over										
Aged 15-64 years	*	10.6	28.4	42.7	53.2	*	5.0	4.3	5.0	5.0
<b>TOTAL</b>										
Total	68.2	182.8	70.5	174.1	357.0	2.4	4.4	4.7	7.0	5.4
Aged 15-19 years	*	56.8	*	61.7	118.5	*	14.0	*	16.5	15.2
Attending school	*	15.7	*	11.8	27.4	*	26.8	*	17.6	21.9
Aged 20 years and over(a)	67.7	126.0	68.5	112.4	238.5	2.4	3.3	4.6	5.4	4.1
20-24 years	5.5	35.4	13.0	37.8	73.3	3.9	6.3	8.1	8.7	7.3
25-34 years	22.8	40.5	28.2	38.4	78.9	2.7	3.6	6.1	6.2	4.5
35-44 years	13.3	17.4	15.4	18.6	36.0	1.7	2.0	3.5	3.6	2.6
45-54 years	15.0	18.6	8.3	12.0	30.6	2.4	2.6	2.9	3.4	2.9
55-59 years	7.2	9.5	*	5.3	13.8	2.7	3.1	*	3.5	3.4
60-64 years	*	*	*			*	*	*		
Aged 15-64 years	67.2	181.7	70.5	173.8	355.5	2.4	4.4	4.8	7.1	5.4

(a) Includes unemployed persons aged 65 years and over, details for whom are not shown separately.

**TABLE 26. UNEMPLOYED PERSONS, BY AGE AND BIRTHPLACE, NOVEMBER 1980**

	Number unemployed ('000)			Unemployment rate (per cent)		
	Males	Females	Persons	Males	Females	Persons
<b>BORN IN AUSTRALIA</b>						
Total	127.9	126.5	254.4	4.2	6.8	5.2
Looking for full-time work	120.2	95.1	215.4	4.2	8.1	5.3
Looking for part-time work	7.7	31.4	39.0	4.1	4.6	4.5
Aged 15-19 years	48.0	50.9	98.9	13.5	15.6	14.5
Aged 20 years and over	79.9	75.6	155.5	3.0	4.9	3.7
20-24 years	27.3	30.4	57.7	5.9	8.3	7.0
25-34 years	26.3	26.4	52.7	3.2	5.8	4.1
35 years and over	26.3	18.8	45.1	1.9	2.6	2.1
<b>BORN OUTSIDE AUSTRALIA</b>						
Total	54.9	47.6	102.6	4.8	7.7	5.9
Looking for full-time work	51.1	36.2	87.3	4.7	8.6	5.8
Looking for part-time work	*	11.4	15.3	*	5.9	6.3
Aged 15-19 years	8.8	10.8	19.6	16.9	22.1	19.4
Aged 20 years and over	46.1	36.9	83.0	4.3	6.5	5.0
20-24 years	8.1	7.4	15.6	8.1	10.3	9.0
25-34 years	14.2	12.0	26.2	4.7	7.1	5.6
35 years and over	23.8	17.5	41.3	3.5	5.3	4.1

TABLE 27. UNEMPLOYED PERSONS, BY DURATION OF UNEMPLOYMENT AND AGE, ETC., NOVEMBER 1980

Duration of unemployment (weeks)	Age group (years)				Total(a)	Married	Not married(b)	Looking for—		
	15-19	20-24	25-34	35-54				Full-time work	Part-time work	
MALES										
— '000 —										
Under 2	6.2	} 8.1 {	*	6.1	18.2	6.6	11.6	16.1	} 4.7	
2 and under 4	7.0		5.9	20.8	8.0	12.8	18.2			
4 and under 8	8.5	5.4	*	5.4	25.3	11.0	14.3	24.8	} 4.8	
8 and under 13	6.7	*	4.8	*	16.8	*	12.4	15.2		
13 and under 26	9.4	4.6	6.5	7.0	28.2	9.2	19.0	26.8		
26 and under 39	5.7	5.1	} 5.2 {	} 4.6 {	19.5	7.6	11.9	18.2		
39 and under 52	} 8.8 {	} 5.9 {			*	10.3	} 7.4 {	7.2	9.9	
52 and under 65			*	11.8	7.5	10.9				
65 and under 78	} 4.5 {	}	}	*	*	} 5.3 {	*	*	} *	
78 and under 91				*	4.9		*	4.9		
91 and under 104				*	*		*	*		
104 and over		*	6.1	6.6	22.2	10.8	11.4	21.6		
Total	56.8	35.4	40.5	36.0	182.8	68.2	114.6	171.4	11.5	
— Weeks —										
Average (mean) duration	24.0	36.2	37.8	51.7	37.8	43.0	34.7	39.1	19.2	
Median duration	12.9	18.3	16.5	21.5	17.8	18.8	17.2	18.5	9.8	
FEMALES										
— '000 —										
Under 2	*	*	5.6	*	18.4	11.2	7.2	11.3	7.1	
2 and under 4	5.9	5.7	5.4	5.8	23.2	13.2	10.0	15.3	7.8	
4 and under 8	9.1	} 7.6 {	5.4	} 5.9 {	22.6	9.8	12.8	15.2	7.4	
8 and under 13	7.5		6.5		20.1	7.7	12.4	14.1	6.0	
13 and under 26	11.2	5.8	4.8	} 6.3 {	26.1	8.6	17.6	21.2	5.0	
26 and under 39	5.3	} 8.0 {	} 5.1 {		14.8	5.0	9.9	12.0	} 5.3	
39 and under 52	6.7			10.6	*	8.2	8.2			
52 and under 65	4.7	} 7.0 {	} 5.5 {	} 5.0 {	13.8	4.6	9.2	11.5	} *	
65 and under 78	}				}	}	6.9	} *		5.0
78 and under 91		*	*	*			*			
91 and under 104		*	*	*			*			
104 and over				*	15.4	5.7	9.7	14.0		
Total	61.7	37.8	38.4	30.6	174.1	70.5	103.7	131.3	42.8	
— Weeks —										
Average (mean) duration	28.8	33.4	22.4	35.2	30.9	25.3	34.7	35.3	17.3	
Median duration	17.7	15.6	10.1	13.4	14.4	8.7	20.0	19.0	7.5	
PERSONS										
— '000 —										
Under 2	10.5	8.2	9.4	7.1	36.6	17.8	18.9	27.4	9.2	
2 and under 4	12.9	10.0	11.3	8.3	44.0	21.2	22.8	33.6	10.4	
4 and under 8	17.6	9.1	9.5	9.4	47.9	20.7	27.1	40.0	7.9	
8 and under 13	14.2	6.3	11.3	*	36.9	12.1	24.8	29.3	7.6	
13 and under 26	20.6	10.5	11.2	10.7	54.4	17.8	36.6	47.9	6.4	
26 and under 39	11.0	7.7	7.4	6.0	34.4	12.5	21.8	30.2	} 7.0	
39 and under 52	11.0	*	} 7.1 {	*	20.9	5.5	15.4	18.0		
52 and under 65	9.1	5.3		5.6	25.6	8.9	16.7	22.4	} 5.8	
65 and under 78	} 6.4 {	}	}	5.9	} 4.5 {	4.5	5.7			
78 and under 91				*		*	8.9	5.8		8.8
91 and under 104				*		*	*	*		*
104 and over	5.1	8.2	7.8	10.5	37.6	16.5	21.1	35.6		
Total	118.5	73.3	78.9	66.6	357.0	138.7	218.3	302.7	54.3	
— Weeks —										
Average (mean) duration	26.5	34.8	30.3	44.1	34.4	34.0	34.7	37.4	17.7	
Median duration	15.5	16.8	12.1	18.7	16.1	12.0	18.6	18.7	7.8	

(a) Includes persons aged 55 years and over, details for whom are not shown separately.

(b) Comprises never married, widowed and divorced.

**TABLE 28. UNEMPLOYED PERSONS, BY INDUSTRY AND OCCUPATION OF LAST FULL-TIME JOB AND DURATION OF UNEMPLOYMENT(a), NOVEMBER 1980**  
( ' 000)

	Duration of unemployment (weeks)							Total
	Under 4	4 and under 8	8 and under 13	13 and under 26	26 and under 39	39 and under 65	65 and over	
Had worked for two weeks or more in a full-time job in the last two years	49.3	33.9	20.9	39.8	24.2	24.1	10.7	202.9
Industry division—								
Manufacturing	11.0	9.0	*	12.3	7.3	7.0	*	53.2
Construction	4.8	6.3		6.7		*	*	21.3
Wholesale and retail trade	13.1	8.8	*	10.1	8.5	6.2	*	53.9
Finance, property and business services	5.2				4.6			9.8
Community services	5.5	5.9			5.3		*	18.3
Recreation, personal and other services	5.3	5.9			6.2		*	17.9
Other industries	6.4	4.6	*	5.8	7.1		*	28.6
Occupation group(b)—								
Professional, technical, etc.	5.5			4.9			*	11.3
Clerical	8.6	5.1	7.0		5.9		*	28.2
Sales	5.7	6.2		4.8	6.3		*	24.4
Farmers, fishermen, etc.		4.5			5.6		*	10.4
Transport and communication		5.2		*	*	*	*	8.8
Tradesmen, production-process workers and labourers, n.e.c.	17.6	15.9	8.7	20.1	12.8	11.4	4.7	91.1
Service, sport and recreation	6.6	6.9		5.6		*	*	22.9
Other(c)	25.3	14.0	16.0	14.6	10.1	22.4	45.7	148.0
Looking for first job	11.4	8.2	9.4	8.5	5.3	13.3	8.1	64.3
Other	13.9	5.7	6.6	6.0	4.8	9.1	37.6	83.7
Stood down	6.0							6.0
<b>Total</b>	<b>80.6</b>	<b>47.9</b>	<b>36.9</b>	<b>54.4</b>	<b>34.4</b>	<b>46.5</b>	<b>56.4</b>	<b>357.0</b>

(a) Duration of unemployment is not available for some industry divisions and occupation groups because of the high standard error of the estimates. (b) Excludes administrative, executive and managerial workers; and miners, quarrymen and related workers. (c) Had never worked for two weeks or more in a full-time job or had not done so in the last two years. Industry and occupation were not obtained for these persons.

**TABLE 29. UNEMPLOYED PERSONS AGED 15 TO 19 YEARS, BY DURATION OF UNEMPLOYMENT AND WHETHER ATTENDING SCHOOL (a), NOVEMBER 1980**

	Not attending school			Total
	Attending school	Left school before 1979	Left school 1979 to survey date	
NUMBER (' 000)				
Duration of unemployment (weeks)—				
Under 4	7.3	7.7	8.3	23.4
4 and under 13	8.6	10.1	13.1	31.8
13 and under 26	*	9.6	7.2	20.6
26 and over	7.7	20.6	14.4	42.7
Total	27.4	48.1	43.0	118.5
AVERAGE (MEAN) DURATION OF UNEMPLOYMENT (weeks)				
Males	14.2	30.9	24.2	24.0
Females	20.1	40.0	20.8	28.8
Persons	16.8	35.8	22.3	26.5
Looking for—				
Full-time work	18.0	36.6	22.5	28.3
Part-time work	15.3	*	*	15.3
MEDIAN DURATION OF UNEMPLOYMENT (weeks)				
Males	9.5	17.5	15.2	12.9
Females	12.6	24.5	12.5	17.7
Persons	10.6	21.4	13.2	15.5
Looking for—				
Full-time work	11.0	22.0	13.1	17.1
Part-time work	10.2	*	*	10.2

(a) For employment status of persons aged 15-19 years see Table 6.

TABLE 30. PERSONS NOT IN THE LABOUR FORCE, BY AGE AND MARITAL STATUS, ETC., NOVEMBER 1980

	<i>Married men</i>	<i>Other males(a)</i>	<i>All males</i>	<i>Married women</i>	<i>Other females(a)</i>	<i>All females</i>	<i>Persons</i>	<i>Proportion of population(b)</i>
	— '000 —						— per cent —	
Age (years)—								
15-19	*	246.8	247.6	13.5	237.6	251.1	498.7	39.0
20-24	6.1	56.8	62.9	131.6	51.4	183.0	245.9	19.7
25-34	23.2	25.5	48.7	503.3	50.1	553.3	602.1	25.6
35-44	26.3	15.3	41.6	322.6	35.9	358.4	400.1	22.4
45-54	47.2	22.2	69.4	329.8	51.7	381.5	450.9	29.8
55-59	48.6	14.8	63.5	206.5	56.9	263.4	326.9	44.4
60-64	121.2	23.5	144.7	180.9	82.2	263.1	407.9	68.5
65 and over	385.6	138.4	524.0	304.9	493.7	798.6	1,322.6	93.6
<b>Total</b>	<b>659.1</b>	<b>543.4</b>	<b>1,202.5</b>	<b>1,992.9</b>	<b>1,059.5</b>	<b>3,052.4</b>	<b>4,254.9</b>	<b>39.0</b>
Permanently unable to work	n.a.	n.a.	20.6	n.a.	n.a.	14.8	35.4	..
In institutions	n.a.	n.a.	51.9	n.a.	n.a.	91.8	143.6	..
Aged 15-20 years attending school	n.a.	n.a.	203.7	n.a.	n.a.	185.1	388.9	..

(a) Comprises never married, widowed and divorced.

(b) Persons not in the labour force as a percentage of the civilian population in the same group.

## GROSS FLOWS

In order to minimise respondent fatigue and at the same time maintain continuity within the population survey sample, one eighth of the dwellings in the sample (except the large non-private dwellings) are replaced after each survey. Adoption of this rotation procedure, whereby about seven eighths of the sample remains unchanged from one month to the next, enables more reliable measurements of changes in the labour force characteristics of the population to be made than would be possible if a new sample were introduced each month.

Because a high proportion of private dwellings selected in one survey remains in the sample for the following survey, it is possible to match the characteristics of most of the persons in those dwellings from one month to the next, to record any changes that occur, and hence to produce estimates of 'flows' between the different categories of the population and labour force.

The procedures used to select persons in non-private dwellings preclude the possibility of matching any of them who may be included in successive surveys. For this and other reasons, including the mobility of the population and non-response in either or both surveys, about 10 per cent of persons in those dwellings which are included in the sample in successive months cannot be matched. Those who can be matched represent about 80 per cent of all persons in the survey.

Changes in the characteristics of this latter group are shown in Table 25. About one half of the remaining (unmatched) 20 per cent of persons in the survey are likely to have characteristics similar to those in the matched group, but the characteristics of the other half are likely to be somewhat different.

Gross flow estimates shown in the following table relate only to those persons in private dwellings for whom information was obtained in successive surveys. The expansion factors used in calculating the estimates were those applying to the second of each pair of months.

Although it is not possible to provide gross flow estimates for all persons in the survey it is considered that the estimates derived from matched records will be a useful guide to the magnitude of the movements between categories which underlie the changes in monthly levels.

While every effort is made to reduce non-sampling errors to a minimum, any such errors affecting employment status will tend to accumulate in the gross flow statistics rather than to cancel out. The estimates are also subject to sampling variability, as explained in paragraphs 3 to 5 on page 27. The standard errors may be obtained from Table A on page 28. For these reasons the estimates of flows should be used with caution.

TABLE 31. ESTIMATES, DERIVED FROM MATCHED RECORDS, OF EMPLOYMENT STATUS IN SEPTEMBER AND OCTOBER 1980, AND GROSS CHANGES (FLOWS) ('000)

		Males	Married women	All females	Persons
Employment status in—					
September 1980—	October 1980—				
Employed full-time	Employed full-time	2,987.0	577.5	1,090.3	4,077.2
	Employed part-time	30.6	38.5	51.5	82.2
	Unemployed	23.1	*	7.7	30.7
	Not in the labour force	29.3	20.2	29.4	58.7
Employed part-time	Employed full-time	35.7	38.4	53.5	89.2
	Employed part-time	112.1	432.5	548.4	660.5
	Unemployed	6.9	*	7.7	14.5
	Not in the labour force	18.5	55.2	69.5	88.0
Unemployed	Employed full-time	33.4	5.1	16.6	50.0
	Employed part-time	6.4	10.2	16.1	22.5
	Unemployed	102.6	26.7	82.2	184.8
	Not in the labour force	22.2	22.0	38.6	60.8
Not in the labour force	Employed full-time	16.3	14.1	19.8	36.1
	Employed part-time	15.8	44.9	56.0	71.9
	Unemployed	15.5	24.5	39.6	55.1
	Not in the labour force	809.8	1,515.7	2,228.5	3,038.3
Total flows into	Employed(a)	71.9	74.2	108.5	180.4
	Full-time	85.4	57.5	89.8	175.2
	Part-time	52.9	93.5	123.7	176.6
	Unemployed	45.4	30.3	54.9	100.3
	Not in the labour force	70.0	97.4	137.5	207.5
Total flows out of	Employed(a)	77.8	81.3	114.2	192.0
	Full-time	83.0	61.0	88.6	171.6
	Part-time	61.1	97.1	130.6	191.7
	Unemployed	62.0	37.3	71.3	133.3
	Not in the labour force	47.6	83.4	115.4	163.0
Total changes of status		187.4	201.9	300.9	488.3
Population represented by the matched sample		4,265.2	2,831.2	4,355.3	8,620.5

(a) Estimates in this category may be less than the sum of the estimates for employed full-time and employed part-time as the estimates in the latter two categories include movements between those two categories.

NOTE. 1. When comparing figures for different periods, it is important to take into account the population represented by the matched sample, as shown in the last line of the table.

2. Estimates of flows between October and November 1980 are not yet available.

## TECHNICAL NOTE

For more information on sample design, estimation procedure and reliability of the estimates, for current and earlier surveys, reference should be made to the technical note in *The Labour Force, Australia, 1978* (6204.0).

### Estimation procedures

2. The labour force estimates are derived from the population survey by use of a complex ratio estimation procedure, which ensures that the survey estimates conform to an independently estimated distribution of the population by age and sex, rather than to the age and sex distribution within the sample itself.

### Reliability of the estimates

3. Two types of error are possible in an estimate based on a sample survey: sampling error and non-sampling error. The *sampling error* is a measure of the variability that occurs by chance because a sample, rather than the entire population, is surveyed. Since the estimates in this section are based on information obtained from occupants of a sample of dwellings the estimates and the movements derived from them 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 surveys. One measure of the likely difference is given by the *standard error*, which indicates the extent to which an estimate might have varied by chance because only a sample of dwellings was included. There are about two chances in three that a sample estimate will differ by less than one standard error from the figure that would have been obtained if all dwellings had been included, and about nineteen chances in twenty that the difference will be less than two standard errors. The standard error can also be expressed as a percentage of the estimate, and this is known as the *relative standard error*.

4. Space does not allow for the separate indication of the standard errors of all estimates in this section. Standard errors of estimates for the latest month and of estimates of movements since the previous month are shown in Table 1. Standard errors of other estimates and other monthly movements for periods from February 1978 should be determined by using Tables A and B on page 28. Standard errors of estimates and movements for periods prior to February 1978 were published in the technical note in *The Labour Force, Australia, 1978* (6204.0).

5. The size of the standard error increases with the level of the estimate, so that the larger the estimate the larger the standard error. However, it should be noted that the larger the sample estimate the smaller will be the standard error in percentage terms. Thus, larger sample estimates will be relatively more reliable than smaller estimates.

6. As the standard errors in Table A show, *the smaller the estimate the higher is the relative standard error*. Very small estimates are subject to such high standard errors (relative to the size of the estimate) as to detract seriously from their value for most reasonable uses. In the tables in this section, estimates below the levels shown in Table A, and percentages based on such estimates, have not been included. Although figures for these small components can in some cases be derived by subtraction, they should not be regarded as reliable. See paragraph 9.

7. The movement in the level of an estimate is also subject to sampling variability. The standard error of the movement depends on the levels of the estimates from which the movement is obtained rather than the size of the movement. An indication of the magnitude of standard errors of monthly movements is given in Table B on page 28. The estimates of standard error of monthly movements apply only to estimates of movements between two consecutive months. Movements between corresponding months of consecutive quarters (quarterly movements), corresponding months of consecutive years (annual movements) and two other non-consecutive months, will generally be subject to somewhat greater sampling variability than is indicated in Table B. A guide to the standard errors of quarterly movements for periods from February 1978 can be obtained by multiplying the figures in the table of standard errors of monthly movements (Table B) by 1.4. A guide to the standard errors of annual movements for periods from February 1978 can be obtained by multiplying the figures in the table of standard errors of estimates (Table A) by 1.4.

8. Examples of the calculation and use of standard errors are given below:

(a) From Table A it will be seen that the estimate of 171,400 unemployed males looking for full-time work in November 1980 has a standard error of about 4,800. Therefore there are about two chances in three that the number that would have been produced if all dwellings had been included in the survey will be within the range 166,600 to 176,200 and about nineteen chances in twenty that the number will be within the range 161,800 to 181,000.

(b) The estimate of movement in the number of unemployed males looking for full-time work from October to November 1980 is a decrease of 8,700. Table B relates the standard error of the monthly movement to the larger of the two estimates from which the movement is derived. In this case the October 1980 estimate (180,100) is the larger. From Table B it will be seen that the standard error of the monthly movement is about 4,200. Therefore there are about two chances in three that if all dwellings had been included in the surveys the movement would have been within the range -12,900 to -4,500 and about nineteen chances in twenty that it would have been within the range -17,100 to -300.

9. The relative standard errors of estimates of *aggregate hours worked*, *average hours worked*, *average duration of unemployment*, and *median duration of unemployment* are obtained by first finding the relative standard error of the estimate of the total number of persons contributing to the estimate (see Table A) and then multiplying the figure so obtained by the following relevant factors.

Aggregate hours worked: 1.2  
Average hours worked: 0.5  
Average duration of unemployment: 1.5  
Median duration of unemployment: 2.0.

Because of these higher relative standard errors, estimates of aggregate hours worked, average duration of unemployment, and median duration of unemployment have higher cut-off points for publication (see paragraph 6) than other estimates as shown in Table A.

An example of the calculation of standard errors using these factors is as follows:

In November 1980 the estimate of average weekly hours worked by employed married women was 28.3 (from Table 18) and the number of employed married women (from Table 1) was estimated as 1,419,500. From Table A it will be seen that this estimate (1,419,500) has a standard error of about 10,200, and therefore a relative standard error of 0.7 per cent. The *relative standard error* of the estimate of hours worked is calculated by multiplying this figure (0.7) by the appropriate factor shown above (in this case 0.5):  $0.7 \text{ per cent} \times 0.5 = 0.35 \text{ per cent}$ . The *standard error* of this estimate of average hours worked is therefore 0.35 per cent of 28.3, i.e. 0.1. Therefore, there are about two chances in three that the average hours worked by employed married women that would have been produced if all dwellings had been included in the survey will be within the range 28.2 to 28.4 and about nineteen chances in twenty that the average will be within the range 28.1 to 28.5.

10. The standard errors of estimates relating to agricultural employment are generally somewhat higher than the standard errors of other estimates of the same magnitude. Standard errors for capital cities are approximately the same as those for corresponding States.

11. The reliability of an estimated percentage or rate, computed by using sample data for both numerator and denominator, depends upon both the size of the numerator and the size of the denominator. However, the relative standard error of the estimated percentage will generally be slightly lower than the relative standard error of the estimate of the numerator. The relative standard errors of the numerators can be obtained from Table A.

12. 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 respondents, errors made in collection such as in recording and coding of data, and errors made in processing the 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 only 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.

**TABLE A. STANDARD ERRORS OF ESTIMATES**

[illegible]

**TABLE B. STANDARD ERRORS OF ESTIMATES OF MONTHLY MOVEMENTS**

[illegible]

## POPULATION SURVEY REPORTS

Although emphasis in the population survey is placed on the regular collection of data on demographic and labour force characteristics, supplementary and special surveys of particular aspects of the labour force or of other subjects are carried out from time to time. The results of these surveys are published separately.

<i>Title</i>	<i>Catalogue No.</i>
<b>Supplementary surveys</b>	
<b>Australia</b>	
Alcohol and Tobacco Consumption Patterns, February 1977	4312.0
Annual and Long Service Leave, August 1974; May 1979	6317.0
Assisted and Unassisted Migrants, August 1972; March 1980	3406.0
Attendance at an Educational Institution, March 1980(a)	Not listed
Birth Expectations of Married Women, November 1976; June 1979	3215.0
Child Care—May 1969; May 1973; May 1977	4402.0
Chronic Illnesses, Injuries and Impairments—May 1968; May 1974	4305.0
Employment Status of Teenagers, August 1978(b)	6234.0
Evening and Night Work, November 1976	6329.0
Ex-service Personnel, November 1966; November 1971; October 1979	4403.0
Family Status and Employment Status of the Population, November 1974 and 1975	6223.0
Frequency of Pay—August 1974, 1976 and 1977	6320.0
Health Insurance, March 1979 and 1980	4335.0
Hearing and the Use of Hearing Aids, September 1978	4336.0
Home Ownership and Rental, November 1978	8710.0
Income Distribution, 1968-69 (Consolidated and Revised Edition)	6505.0
Income Distribution, 1973-74—	
Part 1 (Tables relating to individuals)	6502.0
Part 2 (Tables relating to families)	6503.0
Part 3 (Supplementary Tables)	6504.0
Internal Migration—	
Conducted each year since 1970 (except 1976); Latest issue, 1980	3408.0
Job Tenure—February 1974; February 1975; August 1976	6211.0
Journey to Work and Journey to School—May 1970; August 1974	9205.0
Labour Force Experience—	
During 1968; 1972; 1974; 1975; 1976; 1978; 1979	6206.0
Labour Force Status and Other Characteristics of Families, November 1974; July 1979	6224.0
Labour Mobility—	
November 1972; February 1975, 1976, 1979 and 1980	6209.0
Leavers from Schools, Universities and Other Educational Institutions—	
Conducted each year since 1964. Latest issue, May 1980	6227.0
Migrants in the Labour Force, 1972 to 1976(b)	6230.0
Multiple Jobholding—	
November 1965; August 1966 and 1967; May 1971; August 1973, 1975, 1977 and 1979	6216.0
Non-School Study Courses, Survey of, August 1968	Not listed
Persons Covered by Hospital and Medical Expenditure Assistance Schemes, August 1972	4303.0
Persons Aged 15 to 64 Years: Employment Status and Period Since Leaving School, May 1976	6225.0
Persons Not in the Labour Force (including Discouraged Jobseekers)—	
November 1975; May 1977; March 1979; September 1979; March 1980	6220.0
September 1980 (Preliminary)	6219.0
Persons Looking for Work—	
May 1976; November 1976; May 1977; July 1978; July 1979	6222.0
July 1980 (Preliminary)	6221.0
School Leavers, 1970 to 1974 : Their Employment Status and Education Experience in May 1975	6226.0
Superannuation, Survey of, February 1974	6319.0
The Labour Force: Country of Birth and Period of Residence, February 1972	6207.0
The Labour Force: Educational Attainment, Australia, February 1979, 1980	6235.0
Trade Union Members, November 1976	6325.0
Weekly Earnings of Employees (Distribution) August 1975 to August 1979 (annually)	6310.0
August 1980 (Preliminary)	6309.0
Work Patterns of Employees, November 1976	6328.0

(a) Results of this survey are contained in the Appendix to the July 1980 issue of this publication. (b) Estimates derived from labour force surveys. For more recent estimates, see the relevant tables in this publication.

POPULATION SURVEY REPORTS—*continued*

Title	Catalogue No.
<b>Supplementary surveys—<i>continued</i></b>	
<b>States</b>	
Status of Immunity to Diphtheria and Poliomyelitis, Children aged 2 months and under 3 years, and 6 or 7 years, February 1972 (New South Wales)	4304.1
Superannuation, Victoria, May 1968	Not listed
Employed Married Women in the Labour Force, November 1979 (Queensland)	6203.3
Domestic Appliance and Energy Usage, South Australia, April 1979	8207.4
Housing Intentions of South Australians, November 1979	8705.4
Use of Health Services, South Australia, 1971	4031.4
Private Water Bores or Wells (Perth Statistical Division), Western Australia, November 1979	8708.5
Household Energy Sources, Tasmania, August 1975; June 1978	8204.6
<b>Special surveys</b>	
Dental Health (persons aged 15 years or more), February-May 1979	4339.0
Educational Experience and Intentions Survey, Australia 1979 (Preliminary)	4211.0
Employment Benefits, February to May 1979	6334.0
Income Distribution, Australia, 1978-79—	
Individuals (Preliminary)	6501.0
Families (Preliminary)	6506.0
Income Units (Preliminary)	6522.0
Sight, Hearing and Dental Health (persons aged 2 to 14 years), February-May 1979	4337.0
Sight Problems and the use of Glasses/Contact Lenses (persons aged 15 years or more), February-May 1979	4338.0
Survey of Persons Registered with the CES as Unemployed, March 1977	6229.0
Unemployed Persons, Income Distribution, Australia, 1978-79	6521.0
Working Conditions, February to May 1979	6335.0

## 2. JOB VACANCIES

Surveys of job vacancies were conducted in March each year from 1974 to 1978 and quarterly, by telephone, from May 1977 to May 1978, after which they were suspended. The quarterly surveys were reintroduced in May 1979. For further details and estimates for earlier periods see *Job Vacancies, Australia, November 1980* (6231.0).

A job vacancy is defined as a job available for immediate filling on the survey date and for which recruitment action has been taken by the employer. Jobs available only to existing employees of an organisation are excluded. In this context the Australian Public Service and the Public Services of the States and the Northern Territory are treated as 'organisations'.

TABLE 32. JOB VACANCIES  
( ' 000)

AUSTRALIA									
	August 1979	November 1979	February 1980	May 1980	August 1980	November 1980	Standard error		
For males	13.7	13.0	15.0	12.5	12.6	13.3	1.3		
For females	5.8	5.0	5.0	3.6	4.3	5.5	0.6		
For males or females	13.4	16.3	16.9	13.7	13.2	15.5	1.0		
Manufacturing	10.1	8.5	11.3	9.1	9.7	9.2	1.0		
Metal products, machinery and equipment	5.7	4.5	6.0	5.4	4.4	4.4	0.6		
Basic metal and fabricated metal products;									
other machinery, etc.	4.4	3.6	5.1	4.6	3.4	3.6	0.6		
Transport equipment	1.3	0.9	0.9	0.8	1.0	0.9	0.1		
Other manufacturing	4.4	4.0	6.1	3.7	5.2	4.7	0.9		
Other industries	22.9	25.9	25.7	20.7	20.4	25.1	1.4		
Wholesale and retail trade	4.5	4.7	5.2	4.0	4.0	4.4	0.7		
Transport and storage; communication	1.4	1.9	2.7	1.6	1.7	1.5	0.1		
Public administration; community services	8.8	11.8	11.2	9.3	9.0	8.6	0.7		
Other	8.2	7.5	6.6	5.8	5.7	10.6	1.0		
<b>Total</b>	<b>33.0</b>	<b>34.3</b>	<b>36.9</b>	<b>29.8</b>	<b>30.1</b>	<b>34.3</b>	<b>1.8</b>		
STATES AND TERRITORIES									
<i>Month</i>	<i>N.S.W.</i>	<i>Vic.</i>	<i>Qld</i>	<i>S.A.</i>	<i>W.A.</i>	<i>Tas.</i>	<i>N.T.</i>	<i>A.C.T.</i>	<i>Australia</i>
<b>Total—</b>									
1979—									
November	14.8	8.9	4.3	1.7	2.4	0.9	0.4	0.9	34.3
1980—									
August	13.3	7.8	3.9	1.0	1.8	1.0	0.5	0.8	30.1
November	15.7	8.5	4.0	1.4	2.3	0.8	0.7	0.7	34.3
<b>Manufacturing—</b>									
1979—									
November	4.1	2.7	0.5	0.5	(a)0.5	0.1	—	—	8.5
1980—									
August	(a)5.0	3.2	0.4	0.5	0.3	*	*	—	9.7
November	4.0	3.3	(a)0.7	(a)0.7	0.3	*	—	—	9.2
<b>Other industries—</b>									
1979—									
November	10.7	6.2	3.8	1.1	1.9	(a)0.8	0.4	0.9	25.9
1980—									
August	8.3	4.6	3.5	0.5	1.6	0.7	0.5	0.8	20.4
November	11.7	5.2	3.3	0.7	2.0	0.7	0.7	0.7	25.1
<b>Government—</b>									
1979—									
November	5.4	4.0	2.6	(a)0.7	0.9	*	0.2	0.8	15.4
1980—									
August	4.8	3.3	2.3	0.4	*	(a)0.5	0.3	0.7	12.7
November	4.9	(a)3.5	2.1	(a)0.5	*	(a)0.4	0.4	0.7	13.3
<b>Private—</b>									
1979—									
November	9.4	4.8	1.8	0.9	1.5	(a)0.2	0.3	—	18.9
1980—									
August	8.5	4.5	1.6	0.6	1.3	(a)0.5	(a)0.2	(a)0.1	17.3
November	10.8	5.1	1.8	0.9	(a)1.6	(a)0.4	0.3	(a)0.1	21.0

(a) Standard error greater than 20 per cent but less than 30 per cent.