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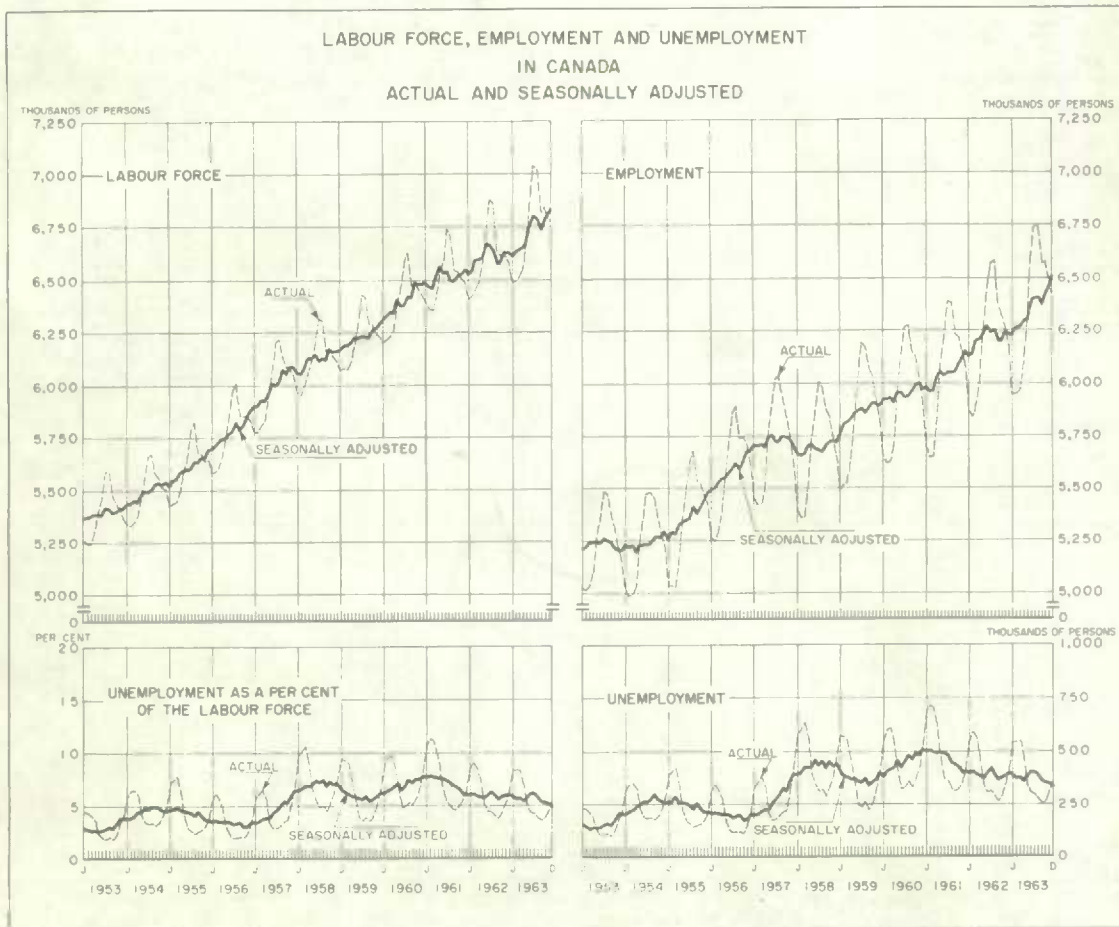
THE LABOUR FORCE
DECEMBER 1963

The Canadian labour force was estimated at 6,774,000 in the week ended December 14, 1963. This total included 6,428,000 persons employed for all or part of the week and 346,000 persons unemployed for the full week. From November, there were decreases of 25,000 in the labour force and of 68,000 in the employed, while there was an increase of 43,000 in the unemployed. The labour force was 200,000 greater than in December 1962, the employed being 268,000 higher and the unemployed 68,000 lower.

agricultural employment was up 269,000 over December 1962; employment in agriculture was unchanged. Employment among men decreased by 77,000 between November and December; employment among women showed a small increase. Compared with December 1962, there were 127,000 more men and 141,000 more women employed in December 1963.

Of the total decrease in employment from November, nonagricultural industries accounted for 36,000 and agriculture for 32,000. Non-

Expressed as a percentage of the labour force, the unemployment rate in December was 5.1, compared with rates of 4.5 in November and of 6.3 in December 1962. Seasonally adjusted, the unemployment rate in December 1963 was 4.9.



The Unemployed by Occupation and Industry

4th Quarter 1963

Occupation and industry attachments of the individuals comprising the labour force are obtained in the Labour Force Survey. Current occupation and industry are reported for the employed. The unemployed are identified with the industry in which they last worked and with the occupation which they last followed. From these data, unemployment rates for occupation and industry groups may be calculated by expressing the number unemployed as a percentage of the labour force classified in each group. It is also useful to make distributions of the unemployed according to broad occupation and industry groups to establish what proportion of unemployment is associated with different occupations and industries. Unemployment rates and percentage distributions for the 4th quarter of 1963, with comparative data for the 1st, 2nd and 3rd quarters of 1963 and the 4th quarter of 1962, are shown in the following tables - in Table 1 by occupation group and in Table 2 by industry group.

Some of the more noteworthy features of these tables may be noted briefly:

1. Occupational unemployment rates for labourers and for construction occupations were much

above national averages, while the rates for office and professional workers were substantially lower. Industry unemployment rates were appreciably above national average only for construction; unemployment rates for the trade and service industry groups were substantially lower than the national averages throughout the year.

2. Seasonal movements in occupation and industry unemployment rates followed the general pattern of unemployment; rates generally were highest in the first quarter and lowest in the third. Occupationally, the greatest seasonal variations in unemployment rates occurred in the "Construction", "Labourers", "Transportation" and "Primary" groups. By industry, seasonal changes were most pronounced in the "Construction", "Primary", and "Transportation and other utilities" groups.

3. The overall unemployment rate was 4.5 in the fourth quarter of 1963, compared with 5.2 in the fourth quarter of 1962. In the "Primary", "Labourers" and "Manufacturing" occupation groups and in the "Primary" and "Manufacturing" industry groups, relative declines in unemployment rates over the year were appreciably greater than average.

Table 1 - Percentage distribution of the unemployed and unemployment rates (1) by occupation group, Canada, 4th quarter 1962 to 4th quarter 1963

| Occupation group | Percentage distribution of the unemployed (quarterly averages) | | | | | Unemployment rates (1) (quarterly averages) | | | | |
|------------------------------|---|--------------|--------------|--------------|--------------|--|--------------|--------------|--------------|--------------|
| | 1963 | | | | 1962 | 1963 | | | | 1962 |
| | 4th quar. | 3rd quar. | 2nd quar. | 1st quar. | 4th quar. | 4th quar. | 3rd quar. | 2nd quar. | 1st quar. | 4th quar. |
| All occupations | 100 | 100 | 100 | 100 | 100 | 4.5 | 3.9 | 5.5 | 8.4 | 5.2 |
| Office and professional (2) | 16 | 18 | 15 | 15 | 16 | 1.8 | 1.8 | 2.1 | 3.0 | 2.0 |
| Transportation | 9 | 7 | 9 | 10 | 8 | 6.2 | 4.5 | 7.9 | 12.7 | 6.5 |
| Service | 12 | 10 | 9 | 8 | 10 | 4.9 | 3.5 | 4.6 | 6.0 | 4.7 |
| Primary (3) | 11 | 10 | 13 | 14 | 13 | 4.4 | 2.8 | 5.9 | 10.3 | 5.8 |
| Manufacturing and mechanical | 15 | 16 | 13 | 14 | 16 | 3.8 | 3.6 | 4.3 | 6.6 | 4.7 |
| Construction | 12 | 8 | 12 | 15 | 12 | 9.4 | 5.7 | 11.5 | 22.5 | 10.5 |
| Labourers (4) | 18 | 14 | 18 | 20 | 20 | 13.5 | 9.3 | 17.1 | 28.3 | 16.9 |
| Never worked (5) | 6 | 15 | 10 | 4 | 7 | n/a | n/a | n/a | n/a | n/a |
| Total unemployed (000's) | 305 | 271 | 371 | 545 | 346 | | | | | |

- (1) The unemployed in an occupation group as a percentage of the labour force in that occupation group.
- (2) Includes managerial, professional, communication, commercial, financial, and clerical occupations.
- (3) Includes agricultural, fishing, trapping, logging, and mining occupations.
- (4) Includes labourers and unskilled workers not agricultural, fishing, logging, or mining.
- (5) Comprises unemployed persons who never had a full-time civilian job lasting two weeks or more.

(continues on page 2)

Technical Notes

Scope of Labour Force Survey

The statistics contained in this report are based on information obtained through a sample survey of households. Interviews are carried out in about 30,000 households chosen by area sampling methods across the country. The Labour Force Survey, started in November 1945, was taken at quarterly intervals until November 1952. Since then it has been carried out monthly. Estimates of employment, unemployment and non-labour force activity refer to the specific week covered by the survey each month.

The sample used in the surveys of the labour force has been designed to cover all

persons in the civilian noninstitutional population who are 14 years of age or over and who reside in Canada, with the exception of: members of the armed forces, inmates of institutions, residents of the Yukon and Northwest Territories and Indians on reservations. These excluded categories amount to about three per cent of the total population 14 years of age and over.

Estimates derived from a sample survey are subject to sampling and other kinds of error. Aspects of this subject in relation to the Labour Force Survey are reviewed under "Reliability of Estimates" on page 8.

Labour Force Statistics

Contents of the Tables - The results of the survey are presented in the tables on pages 4 to 7 of this report

Canada, Labour Force (pages 4 and 5).

Tables 1 to 3 refer to the labour force, employment and unemployment and contain labour force participation and unemployment rates.

Canada, Employed (page 6). Tables 4 to 6 contain further detail on employment.

Canada, Unemployed (page 7). Table 7 contains further detail on unemployment.

Regions, Labour Force (page 7).

Table 8 contains labour force data for the regions.

Supplementary Data - From time to time, additional data on particular aspects of the labour force or its components will be obtained. Such material, as it becomes available, will be released through occasional supplements inserted in or attached to regular issues of this report.

Other Data Available - In addition to the published statistics, there is a considerable amount of data which can be obtained on request. Following is a list of material available.

For Canada only:

1. Age and sex distributions.
2. Marital status and sex distributions.
3. Employed -
 - (a) Reasons for working less than full-time.
 - (b) Hours worked by sex for total employed, agriculture and non-agriculture, and for paid workers, non-agriculture.
 - (c) Industry and occupation groups, by sex for total employed and for paid workers.
4. Persons not in the labour force by category.

For regions:

1. Labour force -
 - (a) By age.
 - (b) Agriculture and non-agriculture by sex.
2. Employed by age.

Definitions and Explanations

Labour Force - The civilian labour force is composed of that portion of the civilian non-institutional population 14 years of age and over who, during the reference week, were employed or unemployed.

Employed - The employed includes all persons who, during the reference week:

- (a) did any work for pay or profit;
- (b) did any work which contributed to the running of a farm or business operated by a related member of the household; or
- (c) had a job, but were not at work, because of bad weather, illness, industrial dispute, or vacation, or because they were taking time off for other reasons.

Persons who had jobs but did not work during the reference week and who also looked for work are included in the unemployed as persons without work and seeking work.

Unemployed - The unemployed includes all persons who, through the reference week:

- (a) were without work and seeking work, i.e., did no work during the reference week and were looking for work; or would have been looking for work except that they were temporarily ill, were on indefinite or prolonged layoff, or believed no suitable work was available in the community; or
- (b) were temporarily laid off for the full week, i.e., were waiting to be called back to a job from which they had been laid off for less than 30 days.

Not in the Labour Force - Those not in the labour force include all civilians 14 years of age and over (exclusive of institutional population) who are not classified as employed or unemployed. This category includes those: going to school; keeping house; too old or otherwise unable to work; and voluntarily idle or retired. Housewives, students and others who worked part-time are classified as employed. If they looked for work they are classified as unemployed.

Canada, Labour Force

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(Estimates in thousands)

| Table 1 Summary | 1963 | | 1962 | | 1961 | |
|---|------------|------------|------------|------------|-----------|------------|
| | Dec. 14 | Nov. 16 | Dec. 15 | Nov. 17 | Dec. 9 | Nov. 11 |
| <u>Total</u> | | | | | | |
| Population 14 years of age and over (1) | 12,585 | 12,566 | 12,326 | 12,307 | 12,104 | 12,089 |
| Labour force | 6,774 | 6,799 | 6,574 | 6,612 | 6,495 | 6,504 |
| Employed | 6,428 | 6,496 | 6,160 | 6,270 | 6,082 | 6,155 |
| Agriculture | 581 | 613 | 582 | 597 | 599 | 629 |
| Non-agriculture | 5,847 | 5,883 | 5,578 | 5,673 | 5,483 | 5,526 |
| Unemployed | 346 | 303 | 414 | 342 | 413 | 349 |
| Not in labour force | 5,811 | 5,767 | 5,752 | 5,695 | 5,609 | 5,585 |
| ----- | | | | | | |
| Participation rate (2) | 53.8 | 54.1 | 53.3 | 53.7 | 53.7 | 53.8 |
| Unemployment rate (3) | | | | | | |
| Actual | 5.1 | 4.5 | 6.3 | 5.2 | 6.4 | 5.4 |
| Seasonally adjusted | 4.9 | 5.1 | 6.0 | 5.9 | 6.1 | 6.1 |
| <u>Men</u> | | | | | | |
| Population 14 years of age and over (1) | 6,249 | 6,241 | 6,125 | 6,116 | 6,023 | 6,018 |
| Labour force | 4,841 | 4,868 | 4,778 | 4,787 | 4,726 | 4,745 |
| Employed | 4,547 | 4,624 | 4,420 | 4,509 | 4,371 | 4,454 |
| Agriculture | 530 | 552 | 537 | 542 | 556 | 579 |
| Non-agriculture | 4,017 | 4,072 | 3,883 | 3,967 | 3,815 | 3,875 |
| Unemployed | 294 | 244 | 358 | 278 | 355 | 291 |
| Not in labour force | 1,408 | 1,373 | 1,347 | 1,329 | 1,297 | 1,273 |
| ----- | | | | | | |
| Participation rate (2) | 77.5 | 78.0 | 78.0 | 78.3 | 78.5 | 78.8 |
| Unemployment rate (3) | 6.1 | 5.0 | 7.5 | 5.8 | 7.5 | 6.1 |
| <u>Women</u> | | | | | | |
| Population 14 years of age and over (1) | 6,336 | 6,325 | 6,201 | 6,191 | 6,081 | 6,071 |
| Labour force | 1,933 | 1,931 | 1,796 | 1,825 | 1,769 | 1,759 |
| Employed | 1,881 | 1,872 | 1,740 | 1,761 | 1,711 | 1,701 |
| Agriculture | 51 | 61 | 45 | 55 | 43 | 50 |
| Non-agriculture | 1,830 | 1,811 | 1,695 | 1,706 | 1,668 | 1,651 |
| Unemployed | 52 | 59 | 56 | 64 | 58 | 58 |
| Not in labour force | 4,403 | 4,394 | 4,405 | 4,366 | 4,312 | 4,312 |
| ----- | | | | | | |
| Participation rate (2) | 30.5 | 30.5 | 29.0 | 29.5 | 29.1 | 29.0 |
| Unemployment rate (3) | 2.7 | 3.1 | 3.1 | 3.5 | 3.3 | 3.3 |

(1) Excludes inmates of institutions, members of the armed services, Indians living on reserves and residents of the Yukon and Northwest Territories.

(2) The labour force as a percentage of the population 14 years of age and over.

(3) The unemployed as a percentage of the labour force.

Note: With the exception of Tables 2 and 5, all statistics refer to a specific week, the last day of which is indicated.

| Table 2 Annual averages, 1946-1963 | | 1963 | 1962 | 1961 | 1960 | 1959 | 1958 | 1957 | 1956 | 1955 |
|---|--|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Population 14 years of age and over (1) | | 12,466 | 12,224 | 12,010 | 11,789 | 11,562 | 11,357 | 11,108 | 10,805 | 10,597 |
| Labour force | | 6,737 | 6,608 | 6,518 | 6,403 | 6,228 | 6,127 | 6,003 | 5,782 | 5,610 |
| Employed | | 6,364 | 6,217 | 6,049 | 5,955 | 5,856 | 5,695 | 5,725 | 5,585 | 5,364 |
| Agriculture | | 641 | 653 | 674 | 675 | 692 | 712 | 744 | 776 | 819 |
| Non-agriculture | | 5,723 | 5,564 | 5,375 | 5,280 | 5,163 | 4,983 | 4,981 | 4,809 | 4,546 |
| Unemployed | | 373 | 391 | 469 | 448 | 373 | 432 | 278 | 197 | 245 |
| Not in labour force | | 5,730 | 5,616 | 5,492 | 5,386 | 5,334 | 5,230 | 5,105 | 5,023 | 4,987 |
| Participation rate (2) | | 54.0 | 54.1 | 54.3 | 54.3 | 53.9 | 53.9 | 54.0 | 53.5 | 52.9 |
| Unemployment rate (3) | | 5.5 | 5.9 | 7.2 | 7.0 | 6.0 | 7.1 | 4.6 | 3.4 | 4.4 |
| | | 1954 | 1953 | 1952 | 1951 | 1950 | 1949 | 1948 | 1947 | 1946 |
| Population 14 years of age and over (1) | | 10,391 | 10,164 | 9,956 | 9,732 | 9,615 | 9,268 | 9,141 | 9,007 | 8,779 |
| Labour force | | 5,493 | 5,397 | 5,324 | 5,223 | 5,163 | 5,055 | 4,988 | 4,942 | 4,829 |
| Employed | | 5,243 | 5,235 | 5,169 | 5,097 | 4,976 | 4,913 | 4,875 | 4,832 | 4,666 |
| Agriculture | | 878 | 858 | 891 | 939 | 1,018 | 1,077 | 1,096 | 1,122 | 1,186 |
| Non-agriculture | | 4,365 | 4,377 | 4,278 | 4,158 | 3,958 | 3,837 | 3,779 | 3,711 | 3,480 |
| Unemployed | | 250 | 162 | 155 | 126 | 186 | 141 | 114 | 110 | 163 |
| Not in labour force | | 4,898 | 4,767 | 4,632 | 4,509 | 4,453 | 4,213 | 4,153 | 4,065 | 3,950 |
| Participation rate (2) | | 52.9 | 53.1 | 53.5 | 53.7 | 53.7 | 54.5 | 54.6 | 54.9 | 55.0 |
| Unemployment rate (3) | | 4.6 | 3.0 | 2.9 | 2.4 | 3.6 | 2.8 | 2.3 | 2.2 | 3.4 |

| Table 3 Age, sex, and marital status Week ended December 14, 1963 | Total | 14-19 years all persons | 20-64 years | | | | 65 years and over all persons |
|---|--------|----------------------------------|-------------|-------|---------|-------|--|
| | | | Men | | Women | | |
| | | | Married | Other | Married | Other | |
| Population 14 years of age and over(1) | 12,585 | 1,954 | 3,632 | 986 | 3,741 | 922 | 1,350 |
| Labour force | 6,774 | 644 | 3,488 | 833 | 945 | 655 | 209 |
| Employed | 6,428 | 579 | 3,334 | 752 | 928 | 637 | 198 |
| Unemployed | 346 | 65 | 154 | 81 | 17 | 18 | 11 |
| Not in labour force | 5,811 | 1,310 | 144 | 153 | 2,796 | 267 | 1,141 |
| Participation rate (2) - 1963, Dec. 14 | 53.8 | 33.0 | 96.0 | 84.5 | 25.3 | 71.0 | 15.5 |
| Nov. 16 | 54.1 | 33.1 | 96.4 | 85.0 | 25.5 | 71.0 | 15.7 |
| Unemployment rate (3) - 1963, Dec. 14 | 5.1 | 10.1 | 4.4 | 9.7 | 1.8 | 2.7 | 5.3 |
| Nov. 16 | 4.5 | 9.6 | 3.5 | 8.7 | 2.0 | 2.9 | * |

(1)(2)(3) See footnotes on opposite page.

* Less than 10,000 unemployed.

Note: Newfoundland included in estimates only from 1950.

Canada, Employed

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(Estimates in thousands)

| Table 4 Summary | 1963 | | 1962 | | 1961 | |
|---|------------|-------------------|------------|-------------------|-----------|------------|
| | Dec. 14 | Nov. 16 (1) | Dec. 15 | Nov. 17 (1) | Dec. 9 | Nov. 11 |
| Total employed | 6,428 | 6,496 | 6,160 | 6,270 | 6,082 | 6,155 |
| Agriculture | 581 | 613 | 582 | 597 | 599 | 629 |
| Non-agriculture | 5,847 | 5,883 | 5,578 | 5,673 | 5,483 | 5,526 |
| Employed, non-agriculture | 5,847 | 5,883 | 5,578 | 5,673 | 5,483 | 5,526 |
| Usually work 35 hours or more | 5,346 | 5,385 | 5,149 | 5,224 | 5,041 | 5,085 |
| At work 35 hours or more | 5,014 | 4,258 | 4,864 | 4,565 | 4,692 | 4,725 |
| At work less than 35 hours, or not at work | 332 | 1,127 | 285 | 659 | 349 | 360 |
| Due to economic reasons (2) | 71 | 62 | 75 | 59 | 68 | 62 |
| Due to other reasons (3) | 261 | 1,065 | 210 | 600 | 281 | 298 |
| Usually work less than 35 hours | 501 | 498 | 429 | 449 | 442 | 441 |

| Table 5 Industry | 1963 | | 1962 | | 1961 | |
|------------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|---------------------------------|----------------------------------|
| | Average Oct. Nov. Dec. | Average Sept. Oct. Nov. | Average Oct. Nov. Dec. | Average Sept. Oct. Nov. | Average Oct. Nov. Dec. | Average Sept. Oct. Nov. |
| | Total employed | 6,500 | 6,546 | 6,252 | 6,327 | 6,152 |
| Agriculture | 618 | 660 | 609 | 661 | 644 | 686 |
| Other primary industries | 192 | 187 | 179 | 183 | 208 | 203 |
| Manufacturing | 1,658 | 1,652 | 1,576 | 1,593 | 1,555 | 1,575 |
| Construction | 458 | 490 | 452 | 469 | 430 | 454 |
| Transportation and other utilities | 526 | 532 | 534 | 534 | 504 | 509 |
| Trade | 1,079 | 1,061 | 1,035 | 1,014 | 1,003 | 984 |
| Finance, insurance and real estate | 249 | 254 | 255 | 260 | 238 | 238 |
| Service | 1,720 | 1,710 | 1,612 | 1,612 | 1,571 | 1,555 |

| Table 6 Class of worker, agriculture and non-agriculture, and sex Week ended December 14, 1963 | Total | Paid workers | Own account workers | Employers | Unpaid family workers |
|---|-------|-----------------|---------------------------|-----------|-----------------------------|
| Total employed | 6,428 | 5,325 | 585 | 338 | 180 |
| Agriculture | 581 | 73 | 344 | 49 | 115 |
| Non-agriculture | 5,847 | 5,252 | 241 | 289 | 65 |
| Men | 4,547 | 3,618 | 527 | 314 | 88 |
| Agriculture | 530 | 66 | 338 | 49 | 77 |
| Non-agriculture | 4,017 | 3,552 | 189 | 265 | 11 |
| Women | 1,881 | 1,707 | 58 | 24 | 92 |
| Agriculture | 51 | * | * | * | 38 |
| Non-agriculture | 1,830 | 1,700 | 52 | 24 | 54 |

- (1) In the November 1962 and 1963 reference weeks, unusually large numbers worked fewer than 35 hours due to Remembrance Day.
 - (2) Economic reasons for not working 35 hours or more include short time, layoff for part of the week and termination or start of employment during the week.
 - (3) Other reasons for not working 35 hours or more include illness, bad weather, industrial dispute, vacation, and reasons such as a statutory holiday in the week.
- * Less than 10,000.

Canada, Unemployed
and
Regions, Labour Force
(Estimates in thousands)

| Table 7 Unemployed | 1963 | | 1962 | | 1961 | |
|-----------------------------------|------------|------------|------------|------------|-----------|------------|
| | Dec. 14 | Nov. 16 | Dec. 15 | Nov. 17 | Dec. 9 | Nov. 11 |
| Total unemployed | 346 | 303 | 414 | 342 | 413 | 349 |
| Without work and seeking work (1) | 326 | 286 | 387 | 324 | 390 | 331 |
| Seeking full-time work | 305 | 270 | 366 | 305 | 369 | 307 |
| Seeking part-time work | 21 | 16 | 21 | 19 | 21 | 24 |
| On temporary layoff up to 30 days | 20 | 17 | 27 | 18 | 23 | 18 |
| Without work and seeking work (1) | 326 | 286 | 387 | 324 | 390 | 331 |
| Seeking under 1 month | 121 | 111 | 127 | 117 | 127 | 106 |
| Seeking 1-3 months | 132 | 99 | 165 | 125 | 155 | 122 |
| Seeking 4-6 months | 35 | 34 | 51 | 39 | 50 | 45 |
| Seeking more than 6 months | 38 | 42 | 44 | 43 | 58 | 58 |

| Table 8 Regional distributions Week ended December 14, 1963 | | Canada | Atlantic region | Quebec | Ontario | Prairie region | British Columbia |
|---|-------------------|--------|--------------------|--------|---------|-------------------|---------------------|
| Population 14 years of age and over | | 12,585 | 1,273 | 3,623 | 4,384 | 2,138 | 1,167 |
| Men | | 6,249 | 634 | 1,786 | 2,160 | 1,080 | 589 |
| Women | | 6,336 | 639 | 1,837 | 2,224 | 1,058 | 578 |
| Labour force | | 6,774 | 587 | 1,912 | 2,502 | 1,153 | 620 |
| Men | | 4,841 | 441 | 1,386 | 1,739 | 829 | 446 |
| Women | | 1,933 | 146 | 526 | 763 | 324 | 174 |
| Employed | | 6,428 | 537 | 1,782 | 2,413 | 1,116 | 580 |
| Men | | 4,547 | 394 | 1,275 | 1,667 | 797 | 414 |
| Women | | 1,881 | 143 | 507 | 746 | 319 | 166 |
| Agriculture | | 581 | 35 | 102 | 155 | 277 | 12 |
| Non-agriculture | | 5,847 | 502 | 1,680 | 2,258 | 839 | 568 |
| Paid workers | | 5,325 | 442 | 1,539 | 2,074 | 762 | 508 |
| Men | | 3,618 | 313 | 1,069 | 1,391 | 488 | 357 |
| Women | | 1,707 | 129 | 470 | 683 | 274 | 151 |
| Unemployed | | 346 | 50 | 130 | 89 | 37 | 40 |
| Men | | 294 | 47 | 111 | 72 | 32 | 32 |
| Women | | 52 | * | 19 | 17 | * | * |
| Not in labour force | | 5,811 | 686 | 1,711 | 1,882 | 985 | 547 |
| Men | | 1,408 | 193 | 400 | 421 | 251 | 143 |
| Women | | 4,403 | 493 | 1,311 | 1,461 | 734 | 404 |
| Employed | 1963, December 14 | 6,428 | 537 | 1,782 | 2,413 | 1,116 | 580 |
| | November 16 | 6,496 | 555 | 1,807 | 2,415 | 1,133 | 586 |
| | 1962, December 15 | 6,160 | 533 | 1,686 | 2,316 | 1,072 | 553 |
| | November 17 | 6,270 | 552 | 1,724 | 2,338 | 1,097 | 559 |
| | 1961, December 9 | 6,082 | 529 | 1,678 | 2,273 | 1,068 | 534 |
| | November 11 | 6,155 | 538 | 1,698 | 2,294 | 1,082 | 543 |
| Unemployed | 1963, December 14 | 346 | 50 | 130 | 89 | 37 | 40 |
| | November 16 | 303 | 45 | 111 | 75 | 36 | 36 |
| | 1962, December 15 | 414 | 70 | 154 | 93 | 51 | 46 |
| | November 17 | 342 | 54 | 124 | 82 | 43 | 39 |
| | 1961, December 9 | 413 | 64 | 129 | 113 | 61 | 46 |
| | November 11 | 349 | 51 | 112 | 99 | 49 | 38 |

(1) Formerly termed "Without jobs and seeking work".

* Less than 10,000.



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Reliability of Estimates

(a) Non-sampling Variability

The data obtained by enumeration, either of the entire population or of a sample of it, will differ in some degree from the true data as outlined by the definitions because of enumerator and respondent variations. The amount of variance associated with these factors differs with the nature of the inquiry. In general, the more personal and more subjective inquiries are subject to greater error.

(b) Sampling Variability

In addition to non-sampling error, mentioned in subsection (a), the survey results are subject to sampling variability. While for the non-sampling component of error statistical estimates of its magnitude are not available, estimates of the probable range of the sampling component of error have been calculated. Estimates of the sampling variability for specified sizes of estimates in any month are given in the table in the next column.

The measure of sampling variability as shown is twice the standard deviation; thus the odds are about 19 to 1 that the range (Labour Force Estimate \pm Sampling Variability) contains the true estimates.

These estimates are averages since sampling variability differs from characteristic to characteristic and from month to month. In particular, for the unemployed and for persons working from 1 to 34 hours, the sampling variability is about 40 per cent higher than the general average and this higher variability is shown in the table also.

These estimates of sampling variability cannot be applied directly to estimates of month-to-month change. However, studies indicate that the sampling variability of a difference over a period of one month can be approximated for the employed and for the unemployed using the following formula: (0.6) times (the square root of the sum of the squares of the sampling variabilities associated with the two estimates).

For example, suppose the estimates of employed persons in June and July, were 6,139,000 and 6,262,000

respectively, with sampling variabilities of about 61,000 each. The difference between these two estimates (123,000) would have a sampling variability of approximately:

$$0.6 \sqrt{61,000^2 + 61,000^2} \text{ or about } 52,000.$$

For "the unemployed", suppose the corresponding estimates for June and July were 315,000 and 330,000 with sampling variabilities of about 28,000. The difference between these two estimates (15,000) would have a sampling variability of approximately:

$$0.6 \sqrt{28,000^2 + 28,000^2} \text{ or about } 24,000.$$

Estimated sampling variability for the major labour force characteristics by size of estimate

| Size of estimate | General sampling variability | | General sampling variability + 40% (1) | |
|------------------|------------------------------|----------|--|----------|
| | Size | Per cent | Size | Per cent |
| 10,000 | 3,500 | 35.0 | 5,000 | 50.0 |
| 25,000 | 5,500 | 22.0 | 7,500 | 30.0 |
| 50,000 | 8,000 | 16.0 | 11,000 | 22.0 |
| 75,000 | 9,500 | 12.7 | 13,500 | 18.0 |
| 100,000 | 11,000 | 11.0 | 15,500 | 15.5 |
| 250,000 | 17,500 | 7.0 | 24,500 | 9.8 |
| 500,000 | 24,000 | 4.8 | 33,500 | 6.7 |
| 750,000 | 28,500 | 3.8 | 40,000 | 5.3 |
| 1,000,000 | 33,000 | 3.3 | 46,000 | 4.6 |
| 2,500,000 | 49,000 | 2.0 | | |
| 5,000,000 | 58,000 | 1.2 | | |
| 6,000,000 | 60,000 | 1.0 | | |

(1) Applicable to the unemployed and to persons working 1 to 34 hours.

The Unemployed by Occupation and Industry, 4th quarter 1963 (continued from page 2)

Table 2 - Percentage distribution of the unemployed and unemployment rates (1) by industry group, Canada, 4th quarter 1962 to 4th quarter 1963

| Industry group | Percentage distribution of the unemployed (quarterly averages) | | | | | Unemployment rates (1) (quarterly averages) | | | | |
|--|--|-----------|-----------|-----------|-----------|---|-----------|-----------|-----------|-----------|
| | 1963 | | | | 1962 | 1963 | | | | 1962 |
| | 4th quar. | 3rd quar. | 2nd quar. | 1st quar. | 4th quar. | 4th quar. | 3rd quar. | 2nd quar. | 1st quar. | 4th quar. |
| All industries | 100 | 100 | 100 | 100 | 100 | 4.5 | 3.9 | 5.5 | 8.4 | 5.2 |
| Primary industries (2) | 11 | 10 | 15 | 15 | 14 | 4.1 | 2.9 | 6.4 | 10.6 | 5.9 |
| Manufacturing | 23 | 24 | 21 | 21 | 24 | 4.1 | 3.8 | 4.7 | 6.8 | 5.0 |
| Construction | 22 | 15 | 20 | 27 | 21 | 12.6 | 7.2 | 14.0 | 28.2 | 13.6 |
| Transportation and other utilities (3) | 8 | 6 | 7 | 8 | 7 | 4.5 | 3.0 | 4.7 | 8.0 | 4.5 |
| Trade | 10 | 11 | 11 | 11 | 10 | 2.9 | 2.7 | 3.8 | 5.6 | 3.4 |
| Service (4) | 19 | 18 | 15 | 14 | 17 | 2.9 | 2.5 | 2.9 | 4.0 | 3.1 |
| Never worked (5) | 6 | 15 | 10 | 4 | 7 | n/a | n/a | n/a | n/a | n/a |
| Total unemployed (000's) | 305 | 271 | 371 | 545 | 346 | | | | | |

- (1) The unemployed in an industry group as a percentage of the labour force in that industry group.
- (2) Includes agriculture, forestry, fishing and trapping, and mining.
- (3) Includes transportation, communication, storage, and public utilities.
- (4) Includes service and finance, insurance and real estate.
- (5) Comprises unemployed persons who never had a full-time civilian job lasting two weeks or more.