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DOM̈INION BUREAUU'OF STATISTICS

THE LABOUR FORCE<br>DECEMBER 1967

The Canadian labour force was estimated at 7,697,000 in the week ended December 9, 1967. This total included 7,344,000 persons employed for all or part of the week and 353,000 persons unemployed for the whole week. Between November and December, the labour force was virtually unchanged; the number of employed decreased by 65,000 and the unemployed increased by 64,000 . Compared with December 1966, the Labour force was higher by 258,000 , the employed by 171,000 and the unemployed by 87,000 .

Of the decrease in total employment from November, 48,000 was in agriculture and 17,000
in nonagricultural industries. Nonagricultural industries accounted for virtually all of the year-to-year increase in total employment. Between November and December, employment of men declined by 73,000 while employment of women rose slightly. Employment was higher than in December 1966 by 32,000 among men and by 139,000 among women.

The unemployment rate in December was 4.6 , compared with rates of 3.8 in November and of 3.6 in December 1966. Seasonally adfusted, the unemployment rate was 4.7 in December 1967.


The Labour Force Survey provides information about the occupation and industry attachments of members of the labour force. For the employed, current occupation and industry are reported. The unemployed are identified with the industries in which they last worked and the occupations which they last followed. From these data, unemployment rates for broad occupation and industry groups are calculated by expressing the number unemployed as a percentage
of the labour force classified in each group.
In addition, percentage distributions have been made according to occupation and industry groups. Unemployment rates and percentage distributions for the fourth quarter of 1967, with comparative data for the first three quarters of 1967 and the fourth quarter of 1966 , are shown in the following tables - in Table 1 by occupation group, and in Table 2 by industry group.


| Industry group | Percentage distribution of the unemployed (quarterly averages) |  |  |  |  | Unemployment rates(1) (quarterly averages) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1967 |  |  |  | 1966 | 1967 |  |  |  | 1966 |
|  | $4 t h$ <br> quar. | $3 \mathrm{rd}$ <br> quar. | 2nd quar. | $1 s t$ <br> quar. | 4th quar. | 4th quar. | $3 \mathrm{rd}$ quar. | 2nd quar. | lst <br> quar. | $4 t h$ quar. |
| All industries | 100 | 100 | 100 | 100 | 100 | 3.9 | 3.1 | 4.2 | 5.3 | 3.1 |
| Primary industries (6) | 10 | 7 | 10 | 11 | 9 | 3.8 | 1.8 | 3.9 | 6.5 | 2.9 |
| Manufacturing | 25 | 24 | 22 | 23 | 25 | 4.1 | 3.2 | 3.8 | 5.0 | 3.2 |
| Construction | 18 | 15 | 18 | 23 | 18 | 10.1 | 6.5 | 10.6 | 17.5 | 8.0 |
| Transportation and other utilities(7) | 8 | 7 | 8 | 12 | 9 | 3.7 | 2.4 | 3.9 | 6.7 | 3.3 |
| Trade | 10 | 11 | 10 | 11 | 11 | 2.4 | 2.1 | 2.6 | 3.6 | 2.0 |
| Service(8) | 20 | 20 | 19 | 15 | 20 | 2.3 | 2.0 | 2.3 | 2.3 | 1.9 |
| Never worked(5) | 8 | 17 | 14 | 5 | 7 | $\mathrm{N} / \mathrm{A}$ | N/A | N/A | $N / A$ | $N / A$ |
| Total unemployed(000's) | 299 | 250 | 320 | 392 | 233 |  |  |  |  |  |

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## Seasonally Adjusted Labour Force Statistics

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The unadjusted time series appearing in "Seasonally Adfusted Labour Force Statistics, 1953-1966", have been adjusted for seasonal variation utilizing the latest twelve months of data. The second edition "Seasonally Adjusted Labour Force Statistics, 1953-1967", will be released shortly. For each series there will be presented four tables, as follows: (1) seasonally unadjusted data, (2) uncentered twelve-month moving average of unadjusted data, (3) final seasonal adjustment factors, including factors estimated one year ahead and (4) final seasonally adjusted series.
"Seasonally Adjusted Labour Force Series, 1953-1967", Catalogue no. 71-201, price \(\$ 1.00\), may be obtained from the Queen's Printer or from the Publications Distribution Unit, DBS.
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## Technical Notes <br> Scope of Labour Force Survey

The tatistics contained in this report are based on information obtained through a sample survey of households. Interviews are carried out in nearly 35,000 households chosen by area sampling methods across the country. Percentages of total households selected for the sample were as follows: Atlantic region, 1.6 p.c.; Quebec, 0.5 p.c.; Ontario, 0.5 p.c.; Prairie region, 0.8 p.c.; British Columbia, 0.7 p.c. The Labour Force Survey, started in November 1945, was taken t quarterly intervals until November 1952. Since then it has been carried out monthly. Estimates of mployment, 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 represent all persons in the population 14 years of age and over residing In Canada, with the exception of: residents of the Yukon and Northwest Territories, Indians living on reserves, inmates of institutions and members of the armed forces. 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 non-sampling errors. Aspects of this subject in relation to the Labour Force Survey are reviewed under "Reliability of Estimates' on page 8.

## Labour Force Statsstics

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 (page 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 con-
tains 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 1 ts components will be obtalned. Such material, as it becomes avallable, will be either included in thi report or released in separate reports.

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 avallable.

## 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 occupetion groups, by sex for total employed and for paid workers.
4. Persons not in the labour force by category.

## For regions:

5. Labour force: by age; by sex, agricultural and nonagricultural.
Etuployed: by age.

## For individual provinces of Atlantic and Prairfe regions:

6. Population 14 years of age and over and labour force: by sex.
Total employed, total unemployed, and total persons not in labour force.

## Definitions and Explanations

Labour Force - The civilian labour force is composed of that portion of the civilian noninstitutional 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 fob, but were not at work, because of bad weather, 111ness, 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 not work during the reference week and were looking for work; or would have been looking for work except that they were temporarily 111, were on indefinite or prolonged layoff, or believed no suitable work was available in the commity; or
(b) were temporarily laid off for the full week, 1.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.
(Estimates in thousonds)
Note: Due to the introduction of revised weighting factors in March 1965, small adjustments have been made to estimates published before that time. See the March 1965 edition of this report, page 8.

| $\frac{\text { Table } 1}{\text { Sumanary }}$ | $\begin{aligned} & \text { S.D. } \\ & \text { (1) } \end{aligned}$ | 1967 |  | 1966 |  | 1965 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Dec. $9$ | Nov. 11 | Dec. 10 | Nov. 12 | Dec. 11 | Nov. 13 |
| Total |  |  |  |  |  |  |  |
| Population 14 years of age and over(2) |  | 14,053 | 14,026 | 13,648 | 13,620 | 13,278 | 13,252 |
| Labour force | a | 7,697 | 7,698 | 7,439 | 7,428 | 7,185 | 7,159 |
| Employed | a | 7,344 | 7,409 | 7,173 | 7,190 | 6,933 | 6,939 |
| Agriculture | d | 487 | 535 | 485 | 482 | 470 | 523 |
| Non-agriculture | $a$ | 6,857 | 6,874 | 6,688 | 6,708 | 6,463 | 6,416 |
| Unemp loyed | d | 353 | 289 | 266 | 238 | 252 | 220 |
| Not in the labour force | a | 6,356 | 6,328 | 6,209 | 6,192 | 6,093 | 6,093 |
| Participation rate (3) | a | $\begin{array}{cr} -------- \\ 54.8 & 54.9 \end{array}$ |  | $54.5 \quad 54.5$ |  | $54.1 \quad 54.0$ |  |
| Unemployment rate (4) Actua 1 | d | $\begin{aligned} & 4.6 \\ & 4.7 \end{aligned}$ | $\begin{aligned} & 3.8 \\ & 4.3 \end{aligned}$ | $\begin{aligned} & 3.6 \\ & 3.6 \end{aligned}$ | $\begin{aligned} & 3.2 \\ & 3.7 \end{aligned}$ | $\begin{aligned} & 3.5 \\ & 3.5 r \end{aligned}$ | $\begin{aligned} & 3.1 \\ & 3.5 \end{aligned}$ |
| Seasonally adjusted |  |  |  |  |  |  |  |
| Men |  |  |  |  |  |  |  |
| Population 14 years of age and over(2) |  | 6,965 6,952 |  | 6,765 | 6,751 | 6,580 | 6,568 |
| Labour force | a | 5,271 5,283 |  | 5,168 5,173 |  | 5,046 5,047 |  |
| Employed | $a$ | 4,987 | 5,060 | 4,955 4,994 |  | 4,844 4,879 |  |
| Agriculture | d | 432 | 470 | 437 433 <br> 4,518 4,561 |  | 424466 |  |
| Non-agriculture | a | 4,555 | 4,590 |  |  | $\begin{array}{r} 4,420 \\ 202 \end{array}$ | $\begin{array}{r} 4,413 \\ 168 \end{array}$ |
| Unemployed | d | 284 | 223 | 4,518 4,561 <br> 213 179 |  |  |  |
| Not in the labour force | b | 1,694 | 1,669 | 1,597 1,578 |  | 1,534 | 1,521 |
| Participation rate (3) | a | $75.7 \quad 76.0$ |  | $76.4 \quad 76.6$ |  | $76.7 \quad 76.8$ |  |
| Unemployment rate (4) | d | 5.4 | 4.2 | 4.1 | 3.5 | 4.0 | 3.3 |
| Women |  |  |  |  |  |  |  |
| Population 14 years of age and over(2) |  | 7,088 | 7,074 | 6,883 | 6,869 | 6,698 | 6,684 |
| Labour force | b | 2,426 | 2,415 | 2,271 2,255 |  | 2,139 2,112 |  |
| Employed | $b$ | 2,357 | 2,349 | 2,218 2,196 |  | 2,089 2,060 |  |
| Agriculture | e | 55 | 65 | 48 489 |  | $46 \quad 57$ |  |
| Non-agriculture | b | 2,302 | 2,284 | 2,170 2,147 |  | $\begin{array}{r} 2,043 \\ 50 \end{array}$ | $\begin{array}{r} 2,003 \\ 52 \end{array}$ |
| Unemployed | e | 69 | 66 | 53 | 59 |  |  |
| Not in the labour force | a | 4,662 4,659 |  | $4,612 \quad 4,614$ |  | 4,559 | 4,572 |
| Participation rate (3) | b | 34.2 | 34.1 | 33.0 | 32.8 | 31.9 | 31.6 |
| Unemployment rate (4) | e | 2.8 | 2.7 | 2.3 | 2.6 | 2.3 | 2.5 |

(1) "S.D." = Standard deviation. For explanation, see "Reliability of Estimates", page 8.
(2) Excludes inmates of institutions, members of the armed services, Indians living on reserves and residents of the Yukon and Northwest Territories.
(3) The labour force as a percentage of the population 14 years of age and aver.
(4) The unemployed as a percentage of the labour force.
r Revised.
Note: With the exception of Tables 2 and 5, all statistics refer to a specific waek, the last day of which is indicated.

Note: Due to the introduction of revised weighting factors in March 1965 ,
small adjustments have been made to estimates published before that time.
See the March 1965 edition of this report, page 8


| Age, sex, and marital status Week ended December 9, 1967 | 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(2) | 14,053 | 2,328 | 3,988 a | 1,102 b | 4,106 a | 1,043 c | 1,486 |
| Labour force | 7,697 a | 761 c | 3,817 a | 890 c | 1,286 c | 737 c | 206 d |
| Employed | 7,344 a | 686 c | 3,679 a | 805 c | 1,263 c | 713 c | 198 d |
| Unemployed | 353 d | 75 e | 138 e | 85 e | 23 f | 24 f | 8 g |
| Not in the labour force | 6,356 a | 1,567 b | 171 d | 212 d | $2,820 \mathrm{~b}$ | 306 d | 1,280 a |
| Participation rate (3) - 1967, Dec. 9 | $\begin{aligned} & 54.8 \mathrm{a} \\ & 54.9 \end{aligned}$ | $\begin{aligned} & 32.7 \mathrm{c} \\ & 32.6 \end{aligned}$ | 95.7 a 95.9 | $\begin{aligned} & 80.8 \\ & 80.5 \end{aligned}$ | $\begin{aligned} & 31.3 \mathrm{c} \\ & 31.2 \end{aligned}$ | $\begin{aligned} & 70.7 \mathrm{~b} \\ & 70.8 \end{aligned}$ | $\begin{aligned} & 13.9 \mathrm{~d} \\ & 14.5 \end{aligned}$ |
| Unemployment rate (4) - 1967, Dec. 9 | 4.6 d | 9.9 e | 3.6 e | 9.6 e | 1.8 f | 3.3 f | 3.9 g |
| Nov. 11 | 3.8 | 9.0 | 2.8 | 7.1 | 1.7 | 3.0 | 3.3 |

(1)(2)(3)(4) See footnotes on opposite page.

Note: a) The alphabetic symbol following each estimate in table 3 indicates its standard deviation. For explanation, see "Rellabllity of Estimates", page 8.
b) Newfoundland included in estimates only from 1950.

Canada, Employed
(Estimates in thousands)
Note: Due to the introduction of revised welghting factors in March 1965 , small adjustments have been made to estimates published before that tina. See the March 1965 edition of this report, page 8 .

| $\frac{\text { Table } 4}{\text { Sumnary }}$ | $\begin{aligned} & \text { S.D. } \\ & \text { (1) } \end{aligned}$ | 1967 |  | 1966 |  | 1965 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $\begin{gathered} \text { Dec. } \\ 9 \end{gathered}$ | Nov. 11(2) | Dec. 10 | Nov. $12(2)$ | Dec. $11$ | Nov. $13(2)$ |
| Total employed | a | 7,344 | 7,409 | 7,173 | 7,190 | 6,933 | 6,939 |
| Agriculture | d | 487 | 535 | 485 | 482 | 470 | 523 |
| Non-agriculture | a | 6,857 | 6,874 | 6,688 | 6,708 | 6,463 | 6,416 |
| Employed, non-agriculture | a | 6,857 | 6,874 | 6,688 | 6,708 | 6,463 | 6,416 |
| Usually work 35 hours or more | A | 6,125 | 6,151 | 6,043 | 6,064 | 5,843 | 5,806 |
| At work 35 hours or more | a | 5,641 | 5,586 | 5,570 | 4,595 | 5,434 | 4,458 |
| At work less than 35 hours, or not at work | c | 484 | 565 | 473 | 1,469 | 409 | 1,348 |
| Due to economic reasons(3) | e | 73 | 76 | 64 | 60 | 62 | 59 |
| Due to other reasons(4) | $c$ | 411 | 489 | 409 | 1,409 | 347 | 1,289 |
| Usually work less than 35 hours | $c$ | 732 | 723 | 645 | 644 | 620 | 610 |


|  | S.D. <br> (1) | 1967 |  | 1966 |  | 1965 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Average Oct./Dec. | Average Sept. / Nov. | Average Oct./Dec. | Average Sept./Nov. | Average Oct./Dec. | Average Sept.Nov. |
| Total employed | a | 7,397 | 7,452 | 7,229 | 7,275 | 6,960 | 6,977 |
| Agriculture | d | 542 | 591 | 509 | 549 | 542 | 593 |
| Other primary industries | d | 226 | 229 | 228 | 229 | 243 | 247 |
| Manufacturing | $c$ | 1,727 | 1,739 | 1,776 | 1,784 | 1,635 | 1,647 |
| Construction | c | 480 | 505 | 497 | 516 | 500 | 516 |
| Transportation and other utilities | c | 658 | 662 | 646 | 645 | 617 | 613 |
| Tr ade | $c$ | 1,250 | 1,222 | 1,210 | 1,186 | 1,177 | 1,151 |
| Finance, insurance, real estate | c | 317 | 316 | 304 | 302 | 291 | 277 |
| Commundty, personal, other services | c | 1,757 | 1,746 | 1,646 | 1,650 | 1,551 | 1,539 |
| Public adminfstration | c | 440 | 442 | 413 | 414 | 404 | 394 |

Note: From October 1962 to February 1966, the chree-month averages in this table have been based on one-third of the records enumerated each month for the Labour Porce Survey. Beginning with the threemonth averages for January to March 1966 , all of the records have been coded by industry each month and the averages are based on the full monthly surveys. Monthly estimates of employment by industry and occupation are avallable on request in the Special Tables series mentioned on page 3, "Other Data Avallable".

| Table 6 <br> Class of worker, agriculture and non-agriculture, and sex Week ended December 9, 1967 | Total | Pald workers | Own account workers | Employers | Unpaid family workers |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Total employed Agriculture Non-agriculture | $7,344 \mathrm{a}$ 487 d $6,857 \mathrm{a}$ | 6,319 70 6,249 | 537 c 282 d 255 d | $325 c$ 35 e 290 d | 163 d 100 e 63 e |
| Men | 4,987 a | 4,158 a | 455 c | 301 c | 73 e |
| Agriculture | $432 d$ | 60 e | 277 d | 34 f | 61 e |
| Non-agriculture | 4,555 8 | 4,098 a | 178 d | 267 d | 12 g |
| Women | 2,357 b | 2,161 b | 82 e | 24 e | 90 d |
| Agriculture | 55 e | 10 f | 5 g | 1 g | 39 e |
| Non-agriculture | 2,302 b | 2,151 b | 77 e | 23 e | 51 e |

(1) "S.D." = Standard deviation. For explanation, see "Reliability of Estimates", page 8 . ( 2 ) In the reference weeks of November 1965 and 1966 , unusually large numbers worked fewer than 35 hours due to Remembrance Day holidays. Since Remembrance Day fell on a Saturday in 1967, its effect on the number af hours worked in the November 1967 reference week was very much less than in 1965 or 1966. (3) 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. (4) 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 weut Note: The alphabetic symbol following each estimate in table 6 indicates its standard deviation. For explanation, see "Reliability of Estimates", page 8.

Note: Due to the introduction of revised weighting factors in March 1965, small adjustments have been made to estimates published before that time.
See the March 1965 edition of this report, page 8.

Regions, Labour Force
(Estimates in thousands)

| $\frac{\text { Table } 7}{\text { Unemployed }}$ | $\begin{aligned} & \text { S. D. } \\ & \text { (1) } \end{aligned}$ | 1967 |  | 1966 |  | 1965 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Dec. 9 | Nov. 11 | Dec. 10 | Nov. 12 | Dec. 11 | Nov. 13 |
| Total unemployed | d | 353 | 289 | 266 | 238 | 252 | 220 |
| Without work and seeking work | d | 326 | 267 | 243 | 219 | 232 | 204 |
| Seeking full-time work | d | 312 | 253 | 233 | 203 | 215 | 188 |
| Seeking part-time work | f | 14 | 14 | 10 | 16 | 17 | 16 |
| On temporary layoff up to 30 days | f | 27 | 22 | 23 | 19 | 20 | 16 |
| Without work and seeking work | d | 326 | 267 | 243 | 219 | 232 | 204 |
| Seeking under 1 month | e | 116 | 106 | 91 | 87 | 92 | 90 |
| Seeking 1-3 months | e | 135 | 100 | 101 | 82 | 93 | 70 |
| Seeking 4-6 months | e | 42 | 33 | 28 | 24 | 22 | 24 |
| Seeking more than 6 months | e | 33 | 28 | 23 | 26 | 25 | 20 |


(1) "S.D." = Standard deviation. For explanation, see "Reliability of Estimates", page 8.

Note: The alphabetic symbol following each estimate in table 8 indicates its standard deviation. For explanation, see "Reliability of Estimates", page 8.

## Keliablity of stimates

## Sampling Error

The estimates in this report are based on a sample of households. Somewhat different figures might have been obtained if a complete census had been taken uning the same questionnalres, enumerators, supervisors, processing, etc. as those actually used in the Labour Force Survey. This difference is called the sampling error of the estimates. in the deaign and processing of the Labour Force Survey extensive efforts have been made to minimize the sampling etror. The sampling error (expressed as a per cent of the estimate it refers to) is not the ame for all estimates; of two estimates the larget one will likely have smaller per cent sampling error and of two estimates of the same size the one referring to a characteristic more evenly distributed across the country will tend to have smaller per cent sampling variability. Also, estimates relating to age and sex are unually more relisble than other estimates of comparable size.

## (b) Non-sampling Errors

Errors, which are not related to Eampling, may occur at almost every phase of a survey operation. Enumerstors may misunderstand instructions, respondents may make ertors in answering questions, the answers may be incorrectly entered on the questionnsires and errors may be introduced in the processing and tabulations of the data. All these errors sre called non-sampling errors. Some of the non-sampling errors will usually balance out over a large number of observations but systematically occuring errors will contribute to blases. Non-sampling errors can be reduced by a careful design of questionalices, intensive training and superviston of enumerstors and a thorough control of the pracessing operation. In general, the more personal and mote subjective inquirles are subject to larger errors. Also, data referring to peraons with less stable labour force status will have relatively large non-sampling errors.

## (c) Alphabetic indicators of Standard Deviation

The ampling error, as described under (a) is not known. A quantity, calted the standard deviation, can however be estimated from sample deta itself. The standard deviation of an estimate is a statistical measure of tit sampling etror. It also partially measures the effect on non-sampling errors, but does not reflect any systematic biases in the date. The chances are about 58 out of 100 that the difference between a eample eatimate and the corresponding census figure would be less than the standard deviation. The chances are about 95 out of 100 that the difference would be lese than twice the standard deviation and about 99 out of 100 that it would be less than $21 / 2$ Efmes as large.

The standard deviations of the estimates, expressed as a per cent of the eatimates, are indicated by letters. The letter "a" indicates that the standard deviation is maller
than $0.5 \%$ of the estimate, the letter "b" indicates that the standard deviation is between $0.6 \%$ and $1.0 \%$ of the emtimate and so on as show in the table below.

Alphabetic deaignation of per cent atandard deviations

| Alphabetic indicator | Per cent standard deviation |
| :---: | :---: |
| a | $0.0 \%-0.5 \%$ |
| $b$ | $0.6 \%-1.0 \%$ |
| c | $1.1 \%-2.5 \%$ |
| $d$ | $2.6 \%-5.0 \%$ |
| $e$ | $5.1 \%-10.0 \%$ |
| $f$ | $10.1 \%-15.0 \%$ |
| $g$ | $15.1 \%-$ |

The actual standard deviation of an estimate ia not the same each month. Since the standard deviations of the current estimates are not avallable at the time when this report is published, the alphabetic indicators are based on the average standard deviations during the last year. They should, therefore, be interpreted only as indicalfons of the order of magnitude of the standard devietfons.

## (d) Standard Deviation of Month-to-Month Changes

A rough upper limit for the standard deviation of the difference (change) between two estimates referring to two months up to a year epart may also be indicated using the table above. For most characteristics published in this report the standard deviation of the difference between two estimates is likely to be somewhat smaller than the standard deviation of the smaller of the two estimates or in the immediately preceding range.

For example, suppose that a hypothetical estimate in May and June was 513,000 and 625,000 respectively and the per cent atandard deviation of both estimatea was indicated by the letter "c", 1 .e. It was between $1.1 \%$ and $2.5 \%$. The difference between the May and June estimates $(112,000)$ would, therefore, have a standard deviation which would likely be smaller than $2.5 \%$ of 513,000 , 1.e. it would likely be maller then 12,800 .
(e) Current Eatimate of Standard Deviations

Standard devistions are computed monthly for several estimatea and month-to-month changes. These are avellable usually in a few weeks after the publication of this report and can be obtained on request. Beginning wth 1966, an annual report on the standard deviationa during the last year will be released.


[^0]:    (1) The unemployed in an occupation group or an industry group as a percentage of the labour force in that group.
    (2) Includes managerial, professional and technical, clerical, sales, and communication occupations.
    (3) Includes farming, fishing, trapping, logging, and mining occupations.
    (4) Includes labourets and unskilled workers not farming, Eishing, logging, or mining.
    (5) Comprises unemployed persons who never had a Eull-time civilian job lasting two weeks or unen
    (6) Includes agriculture, forestry, fishing and trapping, and mines, quarries, oil wtils.
    (7) Includes transportation, atorage, commaication, and electric power, gas and water utilitient
    (8) Includes community, business and personal service, public administration, and finance, insiakiot, fos! estat a

    Note: The statigtics in these tables are based on the 1961 Census Classification of Occupations ank thi. lob0 stantiar fintstrial Classification.

