External Trade In the first quarter of 1970 Canada's exports rose by $\$ 335$ million from the final quarter of the previous year to $\$ 4,217$ million, seasonally adjusted at quarterly rates. Sales to the United States declined by $\$ 74$ million to $\$ 2,742$ million in the quarter.

Securities Trading in outstanding securities during January resulted in a net inflow of $\$ 39.6$ million, some $31 \%$ less than the December inflow of $\$ 57.3$ million.

Prices During the week ended April 23, 1970, the investors price index declined to 187.0 from the week before (195.1).

Transportstion period ended the comparable

Sevenue fevght loaded onto railway cars in Canada during the 7 day April 14 totalled 71,214 carloads, up $3.5 \%$ from a total of 68,814 in period in 1969.

Merchandising During March, department store sales declined in Canada by $3.8 \%$ from March 1969.

Mining February production of silver amounted to $3,426,504$ troy unces compared to 3,274,148 in February 1969.

Manufacturing Steel ingot production for the week ended April 25, 1970 totalled 233,441 tons, a decrease of $2.2 \%$ from the preceding week's total of 238,584 tons.

Agriculture and food The preliminary estimate of milk produced in March is $1,312,000,000$ pounds, $1.5 \%$ above production in the corresponding month last year.

1. Balance of Trade a) Seasonally Adjusted. The External Trade Division reports for March 1970 a favourable forelgn trade balance of $\$ 124$ million at seasonally adjusted monthly rates. This is well under the 8171 million surplus of February and also below the $\$ 137$ million average for the six preceding months. Merchandise exports (including re-exports) for the month were estimated at $\$ 1,366$ million, down by $\$ 37$ million from February 1970 . Shipments to the U.S., at $\$ 875$ mililon, and to other countries, at $\$ 340$ million, accounted for decreases of $\$ 54$ million and $\$ 28$ million respectively. Shipments to the U.K. at $\$ 151$ miliion were higher by $\$ 45$ million, partly offsetting the other decreases.

Seasonally adjusted imports in March ( $\$ 1,242$ million) were slightly higher than in the previous month by $\$ 10$
million. Purchases from the U.S. at $\$ 901$ million decreased by $\$ 12$ million during the period and those from the U.K. at i 61 million were down by $\$ 2$ miliion. These decreases were partially offset by an increase of $\$ 24$ million in imports from ther countries to $\$ 280$ million.
b) Unadjusted. Total exports at $\$ 1,339$ million were over 10 per cent higher than in March 1969, with all areas sharing in the increase. Shipments to the U.S. were $\$ 910 \mathrm{million}$, up by nearly 3 per cent from the same time a year ago; exports to the U.K. at $\$ 122$ million were 29 per cent higher. Exports to all other countries, however, showed the most pronounced increase reaching a total of $\$ 260$ million, up by 34 per cent. Shipments to Conmonwealth and Preferential countries other than the U.K. were up by 11 per cent to a figure of $\$ 48$ million.

Total imports during March 1970 increased to $\$ 1,205$ million, over 9 per cent above the same month last year. Purchases from the U.S, at $\$ 910$ million were more than 8 per cent higher than a year ago and imports from the $U . K$. at $\$ 59$ million were down by nearly 7 per cent from March 1969. Purchases from all other countries at $\$ 202$ million displayed a 15 per cent year-to-year increase.

Preliminary estimates show that the gains in imports were mainly due to increases in imports of aircraft and parts, food, communications and related equipment and non-ferrous metals and alloys.
$\frac{\text { Seasonally Adjusted at Monthly and Quarterly Rates }}{(\$ \mathrm{millions})}$

$p=$ preliminary
Note: These estimates may not add because of rounding.

E X T F R N A L T R A D E (continued)
2. Canada's Foreign Trade in the First Quarter of 1970

The External Trade Division reports that in the first quarter of 1970 Canada's exports rose by $\$ 335$ million from the final quarter of the previous year to $\$ 4,217 \mathrm{million}$, seasonally adjusted at quarterly rates. Sales to the United States declined by $\$ 74$ million to $\$ 2,742$ million in the quarter, while those to the United Kingdom rose by $\$ 109$ million to $\$ 368$ million and to other countries by $\$ 300$ million to $\$ 1,107$ million.

In contrast seasonally adjusted imports in the first quarter of the year declined by $\$ 49$ million to $\$ 3,594$ million compared with the fourth quarter of 1969. This decline was more than accounted for by a decrease in purchases from the United States of $\$ 84$ million to $\$ 2,583 \mathrm{million}$. Imports from the U.K. rose marginally to $\$ 185$ million and from other countries by $\$ 32$ million to $\$ 826$ million. As a result the overall favourable trade balance increased by $\$ 384$ million to $\$ 623$ million in the first quarter of 1970.

The strong showing in the first quarter of 1970 was attributable largely to countries other than the United States, where our balance of trade rose only marginally by some $\$ 10$ million to $\$ 159$ million. The surplus with the United Kingdom rose by $\$ 106$ million to $\$ 183$ million and that with all other countries rose to $\$ 281$ million from $\$ 13$ million.

Divergent trends appeared among commodity groups entering into Canada's foreign trade. The most striking developments in domestic exports were the sharp increases displayed by wheat, crude petroleum and lumber; wool pulp, newsprint and aircraft engines and parts also showed quarter-to-quarter gains. Preliminary indications suggest that automobiles - Canada's largest single export to the United States - declined substantially in the first quarter of 1970. Taken as a whole, the automotive industry showed a fall in exports of \$181 to \$324 million.

Among the traditional imports, the declines were widespread. Fabricated steel, non-ferrous alloys, industrial machinery, tractors, communication equipment and office machinery all showed declines in the quarter. Automotive products also declined substantially by $\$ 147 \mathrm{million}$ to $\$ 572 \mathrm{million}$.

Trade by Selected Commodity Groupings
Quarterly Series at Quarterly Rates
Millions of Dollars

| Imports | 1969 |  |  | 1970 |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Q 1 | Q 2 | Q 3 | Q 4 | Q 1 P |
| Fabricated Steel Materials | 102 | 108 | 104 | 147 | 132 |
| Non Ferrous Metals and Alloys | 63 | 55 | 80 | 73 | 64 |
| Industrial Machinery | 347 | 359 | 348 | 388 | 374 |
| Tractors and Parts | 45 | 47 | 50 | 53 | 52 |
| Passenger Automobiles | 235 | 264 | 294 | 245 | 188 |
| Motor Vehicle Parts Exc. Engines | 409 | 456 | 427 | 474 | 384 |
| Communication \& Related Equipment | 95 | 96 | 96 | 106 | 96 |
| Office Machines Incl. Computers | 57 | 66 | 69 | 76 | 73 |
| Apparel, Footwear \& Accessories | 62 | 64 | 61 | 61 | 68 |
| Books \& Other Printed Matter | 56 | 58 | 59 | 61 | 64 |



S E C URITIES
Trading in outstanding securities during January resulted in a net inflow of $\$ 39.6 \mathrm{million}$, some $31 \%$ less than the December inflow of $\$ 57.3$ milion. In general transactions in both Canadian and foreign issues gave rise to smaller capital flows than the exceptionally large movements experienced in December. Net sales of $\$ 40.8 \mathrm{million}$ and $\$ 1.6 \mathrm{million}$ took place in trading with residents of the United States and the United Kingdom respectively. Trading with residents of other European countries and all other countries resulted in net purchases by Canadians of $\$ 2.1 \mathrm{million}$ and $\$ 0.7$ milion, respectively.

The net outflow from trading in Canadian issues fell by almost $50 \%$ in January to $\$ 12.8 \mathrm{million}$ compared with a net outflow in December of $\$ 23.6 \mathrm{million}$. In common and preference stocks the net outflow declined from $\$ 17.3$ million to $\$ 10.0$ million as gross sales rose from $\$ 38.6$ million in December to $\$ 52.9$ million in January. Transactions in bonds and debentures led to an outflow of $\$ 2.8$ million, some $\$ 3.5 \mathrm{million}$ below the December figure. Net sales of foreign issues fell from $\$ 80.9$ million to $\$ 52.4$ million in January as both gross sales and purchases were down from December's levels. The drop was chiefly due to trading in United States common and preference stocks, where a net inflow of $\$ 77.9$ million in December declined to $\$ 51.2$ million in January. The net inflow in January was still unusually large, however, and with the exception of December's figures was greater than in any other month on record.

A shift of some $\$ 63$ million from the net outflow in January 1969 was indicative of a very different pattern of international trading in outstanding securities from that existing a year earlier. A net inflow of $\$ 52$ million in foreign securities for the current period contrasted with a net outflow of $\$ 37$ million for the same period in the previous year, while in Canadian security transactions a net inflow of $\$ 14$ million in 1969 gave way to a net outflow of over $\$ 12$ million in January 1970. In total, the net inflow of almost $\$ 40 \mathrm{million}$ in the current year compared with a met outflow of $\$ 23$ million in January 1969.

At $\$ 1,841$ million the net inflow from portfolio transactions in
long-term securities in 1969 reached unprecedented proportions. It was $65 \%$ higher than the $1968^{\prime}$ record of $\$ 1,113 \mathrm{million}$ and almost three times the previous high of $\$ 645$ million registered for 1964 . The two main elements accounting for the size of the 1969 inflow were the continued high level of sales of Canadian new issues abroad, which exceeded $\$ 2$ billion for the first time, and a sharp turnaround of over $\$ 0.5$ billion in trading in outstanding foreign securities. The net inflow of $\$ 113$ million from transactions in foreign securities, which ended five years of successive annual outflows totalling $\$ 1,252 \mathrm{million}$ was largely attributable to transactions in United States equities. At a time when stock market prices were depressed in Canada and the United States, Canadians became net sellers of these securities (to the extent of $\$ 124$ million) for the first time since 1963.

Buoyant economic conditions and exceptionally high interest rates, both in Canada and abroad, had a far-reaching impact not only on stock market conditions, but also on the demand, sources and type of financing adopted by Canadian borrowers. Canadian interest rates, already at very high levels at the end of 1968 , continued to rise throughout 1969. In late December the yield on the index of ten long-term industrial bonds produced by McLeod, Young, Weir had reached $9.29 \%$. Canadian borrowers took advantage of the relatively lower rates abroad by continuing $t$, raise large amounts of capital not only in the United States but, for the second successive year, in Germany also. (Of interest in 1969 was the entry of municipalities into this market, which had been utilized almost exclusively by more senior governments and their agencies in 1968.) Provincial governments again borrowed heavily in Germany, so that inflows from new issues of Canadian securities in continental Europe rose from $\$ 491$ million in 1968 to $\$ 535$ million in 1969. Sales of new equity issues abroad trebled during 1969, to $\$ 197$ million as more corporations apparently sought this means of avoiding the high cost of servicing debt issues.

The year was one of exceptional activity in the Canadian money market. The volume of business expanded substantially as an increasing number of corporations and institutions resorted to short-term borrowing; sometimes as a means of financing essentially long-term needs but avoiding long-term commitments at record high longterm interest rates. A major part of this borrowing took place in the United States where lower interest rates and a significant premium on the forward rate for the Canadian dollar provided important advantages. This was reflected in a huge increase in the volume of international trading and a large net inflow of $\$ 364 \mathrm{million}$ of shortterm capital into Canadian paper. It should be noted that this report does not cover a variety of vehicles for the employment of short-term funds through the banking system. For example, foreign currency deposits swapped through Canadian banks increased by $\$ 788$ million during 1969 and there was a massive build-up of term deposits in Europe.

The gross value of transactions in outstanding long-term securities was down $14 \%$ from the previous year to $\$ 6.6$ billion as stock prices slumped. The reduction was most apparent in foreign securities, where gross trading of $\$ 4.4$ billion was $23 \%$ less than in 1968 . Turnover of $\$ 2.2$ billion in Canadian securities was, in contrast, some $12 \%$ more than in 1968.

Non-residents provided a significantly higher proportion of the net new supply of Canadian securities issued in both domestic and foreign capital markets in 1969. After accounting for retirements, non-residents' net purchases of new and outstanding issues totalled $\$ 1.7$ billion, or $55 \%$ of the net new supply of $\$ 3.2$ billion. This compared with net purchases of $\$ 1.6$ billion, or $38 \%$ of the net new supply in 1968 .

|  | Indexes |  |  |  | Percent changes |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | March | February | March | February | Mar. 1970 | Mar. 1969 | Mar. 1970 |
|  | 1970 | 1970 | 1969 | 1969 | Feb. 1970 | Feb. 1969 | Mar. 1969 |
| Residential (1961=100) | 138.7 | 139.5 | 143.2 | 139.8 | - 0.6 | + 2.4 | - 3.1 |
| Lumber and Lumber Products | 145.3 | 146.9 | 157.8 | 153.0 | - 1.1 | $+3.1$ | $-7.9$ |
| Plumbing and Heating Equipment | 124.0 | 122.9 | 115.5 | 114.6 | + 0.9 | $+0.8$ | + 7.4 |
| Wallboard and Insulation ... | 129.7 | 130.4 | 123.4 | 123.1 | -0.5 | $+0.2$ | $+5.1$ |
| Concrete Products. | 131.6 | 131.3 | 127.4 | 127.0 | $+0.2$ | +0.3 | + 3.3 |
| Other | 132.0 | 132.2 | 124.7 | 122.4 | - 0.2 | + 1.9 | + 5.9 |
| Non-residential ( $1961=100)$ | 129.3 | 128.8 | 125.5 | 123.8 | $+0.4$ | + 1.4 | $+3.0$ |
| Steel and Metal Work ....... | 128.3 | 126.6 | 119.4 | 116.2 | $+1.3$ | $+2.8$ | $+7.5$ |
| Plumbing, Heating and Other Equipment | 125.5 | 125.2 | 119.6 | 119.1 | $+0.2$ | $+0.4$ | $+4.9$ |
| Electrical Equipment . | 120.6 | 120.4 | 113.1 | 112.9 | $+0.2$ | +0.2 | + 6.6 |
| Concrete Products. | 133.9 | 133.8 | 129.8 | 129.4 | $+0.1$ | +0.3 | + 3.2 |
| Lumber and Lumber Products | 146.2 | 148.2 | 168.1 | 162.7 | - 1.3 | $+3.3$ | -13.0 |
| Other . . . . . . . . . . . . . . . . . . | 128.2 | 127.1 | 121.9 | 121.2 | + 0.9 | $+0.6$ | + 5.2 |

Index

Number stocks priced

April 23/70 april 15/70 Mar. 25/70
This week Week agi Month ago



| 187.0 | 195.1 | 199.1 |
| ---: | ---: | ---: |
| 197.7 | 206.6 | 211.6 |
| 225.6 | 237.7 | 24.4 |
| 255.0 | 265.0 | 262.7 |
| 31.2 | 325.6 | 330.3 |
| 108.0 | 113.7 | 127.6 |
| 145.2 | 151.9 | 154.8 |
| 781.5 | 816.5 | 839.6 |
| 94.6 | 99.5 | 98.4 |
| 121.9 | 126.8 | 126.8 |
| 109.4 | 118.5 | 115.8 |
| 164.7 | 171.0 | 180.0 |
| 77.5 | 82.2 | 85.0 |
| 55.1 | 56.3 | 62.0 |
| 214.9 | 221.7 | 231.2 |
| 151.9 | 157.7 | 159.0 |
| 171.1 | 179.2 | 181.1 |
| 190.0 | 203.8 | 207.5 |
| 101.1 | 102.6 | 102.6 |
| 119.1 | 118.9 | 120.2 |
| 327.2 | 347.6 | 349.4 |
| 181.1 | 188.2 | 191.5 |
| 192.0 | 200.2 | 205.5 |
| 159.3 | 164.4 | 163.7 |


| 109.4 | 116.9 | 114.5 |
| :--- | :--- | :--- |
| 108.2 | 119.2 | 115.0 |
| 110.1 | 115.6 | 114.2 |

Uraniums price index ...... 4
131.0
146.5
147.5

Primary oils and gas ...... 6
188.7
207.1
221.4

Revenue freight loaded onto railway cars in Canada during the 7 day period ended April 14 totalled 71,214 carloads, up $3.5 \%$ from a total of 68,814 in the comparable period in 1969. This increase may be attributed mainly to Western Canadian loadings where there was a $9.5 \%$ rise to 26,974 cars, while loadings East of the Lakehead rose $0.2 \%$ to 44,240 cars.

Year to date total carloadings were down $1.6 \%$ to $1,021,166$ from $1,037,498$ cars in the 1969 period. This decrease reflects a drop in Eastern loadings of $4.7 \%$ to 643,713 , while Western loadings rose $4.3 \%$ to 377,453 cars.

The following tables show carloadings and tonnages for total traffic and for piggyback traffic for the second week of April and for the year to date. Data are shown for 1969 only where comparable figures are available.

Railway Carloadings of Revenue Freight in Canada

| April 14, 1970 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| All traffic | - cars | 1970 | 44,240 | 26,974 | 71,214 |
| All traffic | - cars | 1969 | 44,170 | 24,644 | 68,814* |
| All traffic | - tons | 1970 | 2,271,729 | 1,372,099 | 3,643,828 |
| Piggyback traffic | - cars | 1970 | 2,331 | 1,354 | 3,685 |
| Piggyback traffic | - tons | 1970 | 43,553 | 27,705 | 71,258 |
| Year to date |  |  |  |  |  |
| All traffic | - cars | 1970 | 643,713 | 377,453 | 1,021,166 |
| All traffic | - cars | 1969 | 675,446 | 362,052 | 1,037,448* |
| All traffic | - tons | 1970 | 33,253,669 | 19,401,766 | 52,655,435 |
| Piggyback traffic | - cars | 1970 | 33,610 | 20,110 | 53,720 |
| Piggyback traffic | - tons | 1970 | 627,936 | 414,198 | 1,042,134 |

* 1969 carloads revised to correct understatement resulting from improper counting of multi-car units by one road.

8
Urban Transit A total of $82,537,328$ initial passenger fares (excluding transfers) was collected by 63 urban transit systems
during February, a decrease of $3.9 \%$ from the $85,904,125$ passengers reported by 66 firms in February 1969. Initial passenger fares on motor buses decreased to 56,504,985 from 57,385,971. Trolley coaches carried 7,041,612 (9,011,800); street cars, $5,149,859(5,446,806)$; and subway cars, $13,119,746(13,322,887)$.

The vehicle miles travelled by all types of urban transit vehicle totalled $19,724,107$ compared to $19,826,304$ miles reported in February 1969. Total operating revenue rose to $\$ 18,729,295$, an increase of $0.4 \%$ from the $\$ 18,662,543$ reported in February 1969.
9.

Passenger Bus Statistics During February, 3,563,638 passengers were carried by 56 intercity and rural bus companies while $3,541,894$ passengers were transported by 53 companies in February 1969, an increase of $0.6 \%$.

Vehicle miles totalled $8,797,456$ compared with $8,512,111$ reported for February 1969. Total operating revenue amounted to $\$ 5,387,046$, an increase of $8.3 \%$ from the $\$ 4,973,991$ revenue reported for the same month in 1969 .

Consumer Credit The following table summarizes the credit situation as at the end of February 1970. It shows balances outstanding reported in millions of dollars for selected holders of credit with amounts for the corresponding period last year and the percentage change.


* These outstanding balances not included in consumer credit totals.
** In order to refine the consumer component of sales financing, passenger cars financed for commercial purposes (e.g.) fleet sales to businesses, etc., have been transferred from consumer goods to commercial goods commencing January 1970. Consequently this discontinuity impairs comparison with eatier corresponding perinds.

Breweries February domestic shipments of brewed products amounted to 20,095,000 gallons, with tax-exempt shipments coming to 239,000 gallons. For the year to date, domestic shipments were $37,753,000$ gallons and tax-exempt shipments amounted to 510,000 gallons. (Tax-exempt shipments incl ude export sales, sales to ships' stores, embassies and similar transactions).

SOFT DRINKS
12.

Monthly Production of Soft Drinks March production of soft drinks came to $21,001,184$ gallons $(18,826,766$ in 1969 and $16,468,603$ in 1968) bringing the year-to-date total to $63,180,201$ gallons ( $56,946,220$ in 1969 and $51,311,153$ in 1968).

MERCHANDISING
13.

Department Store Sales by Regions
During March, department store sales declined in Canada by 3.8\% from March 1969, with the following regional changes: Atlantic Provinces, $-0.6 \%$; Quebec, $+0.8 \%$; Ontario, -1.2\%; Manitoba, -11.4\%; Saskatchewan, $-23.6 \%$; Alberta, $-8.1 \%$ and British Columbia, $-5.8 \%$.
14. Department Store Sales and Stocks Department stores registered total sales of $\$ 153,195,000$ during February, a decline of $0.8 \%$ from the $\$ 154,497,000$ recorded in the same month last year. As in the case of total retail trade, sales trends during the month were of a mixed nature; twenty departments experienced a drop in sales while eighteen rose.

The best results were posted in gasoline, oil, auto accessories, repairs and supplies ( $+19.7 \%$ ); stationery, books and magazines ( $+9.3 \%$ ); and receipts from meals and lunches $(+8.8 \%)$. Among the departments in which sales fell were TV, radio and music ( $-17.9 \%$ ); women's and misses' coats and suits ( $-12.7 \%$ ) and china and glassware (-12.0\%).

Department store stocks at selling value were $8.1 \%$ higher than in Eabraary 1969, reaching a level of $\$ 644,476,000$ at month end. Major stock increases were noted in floor coverings $(+39.5 \%)$; TV, radio and music ( $+31.0 \%$ ); and major appliances ( $+27.6 \%$ ). Stocks declined in eleven departments, including millinery ( $-33.3 \%$ ) and girlsi and teenage girls' wear $(-12.6 \%)$.

MIN1NG
Silver, Lead and Zinc February production of silver amounted to 3,426,504 troy ounces compared to $3,274,148$ in February
1969. Year to date production came to $7,223,248$ troy ounces $(6,450,609)$. February refined production of primary lead increased to 16,646 tons from 16,006 in February 1969, while year to date production also rose to 35,427 tons from 32,508 . Refined production of primary zinc came to 34,830 tons in February compared to 35,165 tons in the 1969 month; year to date output totalled 74,570 tons $(75,071)$.
16. Copper and Nickel February production of primary copper decreased to 45,715 tons from 46,367 in February 1969. For the year to date, production dropped to 94,478 tons from 100,406 in the 1969 period. Nickel production, on the other hand, rose in February to 24,639 tons from 21,556 in 1969. Year to date production also rose to 49,883 tons from 45,105 in 1969.
17.

Gold The value of gold production in February, calculated at the average price paid by the Royal Canadian Mint, was $\$ 6,938,228$. Gold production decreased to 184,735 troy ounces from 203,189 in February 1969, while year-to-date production also fell to 398,268 troy ounces from 426,262 in 1969.
18. Iron Ore February shipments of iron ore rose to $1,573,563$ tons from $1,293,451$ in 1969, bringing the year-to-date total to $3,752,036$ tons compared to $3,238,386$ in 1969 .

MANUEACTURING
19. Iron Castings, Pipe and Fittings

February shipments of iron castings, cast iron pipe and fitilings decreased to 52,081 tons from 53,815 tons in February 1969. For the year to date, shipments also fell to 105,857 tons from 111,125 .
20.

Asbestos February production of asbestos rose to 95,609 tons from 83,768 in February 1969. For the two-month period, production totalled 177,148 tons $(175,186)$.
21. Refrigerators and Freezers February production of refrigerators amounted to 31,232 units. Exports came to 1,913 units and stocks at the end of the month totalled 98,923 units. The number of home and farm freezers produced was 11,$712 ; 520$ were exported and 20,700 were in stock on February 28.
22. Pulpwood and Wood Residue February production of roundwood fell by $23.0 \%$ to $1,103,293$ cunits from $1,433,224$ cunits in
February 1969. Roundwood and wood residue consumed decreased by $6.2 \%$ to $1,836,580$ cunits from 1,957,378, while the closing inventory of these two products was lower by $2.8 \%(10,569,410$ cunits as against $10,876,170)$. Receipts of wood residue, however, rose by $11.3 \%$ to 530,891 cunits from 468,414 last year.
23. Sawmil1s East of the Rockies

Production in sawnills East of the Rockies in February 1970 decreased to $314,274,000$
feet board measure from $317,176,000$ feet board measure in February 1969. For the two months to the end of February production amounted to $604,076,000$ feet board meature compared to $603,088,000$ feet board measure during the same period of last year. Stocks on hand at the end of February totalled $893,066,000$ feet board measure.

M A N U F A C T U R I N G (continued)

$$
24
$$

SLeel Ingots
Steel ingot production for the week ended April 25, 1970 totalled 233,441 tons, a decrease of $2.2 \%$ from the preceding week's total of 238,584 tons. The comparable week's total in 1969 was 230,382 tons. The index of production based on the average weckly output during 1957-1959 of 96,108 equalling 100 was 243 in the current week, 248 a week earlier and 240 one year ago.
25.

## Steel Wire and Wire Products

Production of coated, round, galvanized wire in February fell to 7,432 tons from 7,732
in February 1969. During the year to date, production also decreased to 15,645 tons from 16,034 in the 1969 period. Production of staples came to 156 tons in February ( 111 tons in the 1969 month) and during the year to date, amounted to 263 tons (170).
26.
salt
February production of dry salt and salt content of brine amounted to 366,460 tons, while production for the year to date, totalled 714,893 tons. The quantity shipped or used by producers during February was 465,383 tons, ( 848,770 in the year to date) and producers' stocks at the end of February came to 295,999 tons.
27. Chemicals Production of hydrochloric (muriatic) acid, as $100 \%$ came to 9,562,233 pounds in February compared to $9,029,236$ pounds in February 1969. For the year to date, production totalled $20,040,405$ pounds $(17,618,701$ in 1969).
28.

Asphalt and Vinyl-Asbestos Floor Tile
February production of vinyl-asbestos floor tile amounted to 5,287 tons
or $10,767,276$ square feet compared to 7,792 tons or $17,132,849$ square feet in the 1969 month. For the year to date, production dropped to 10,067 tons $(21,106,557$ square feet) from 17,202 tons ( $38,203,994$ square feet) in the 1969 period.

29

$$
\frac{\text { Shipments of Papermakers' and other Felts }}{\text { Quarter ended March } 31,1970}
$$

Shipments

| Quantity <br> square feet | $\frac{\text { Value }}{\$}$ |
| :---: | :---: |
| $1,671,344$ <br> 149,733 | $2,973,795$ |
| pounds | 359,417 |
| 428,748 | $3,455,171$ |
| 3,093 | 18,477 |
| 305,854 | $1,803,625$ |

MANUFAC TURING (continued)
30. Census of Manufactures The following statistics represent a selection of those which will appear later in regular publications of the Manufacturing and Primary Industrics Division.

Manufacturers of Soap and Cleaning Compounds (S.I.C. 376)

| Selected Principal Statistics | 1966 | 1967 | 1968p | \% change $1968 / 1967$ |
| :---: | :---: | :---: | :---: | :---: |
| Establishments ............... No. | 137 | 140 | 131 | - 6.4 |
| MANUFACTURING ACTIVITY |  |  |  |  |
| Production and related workers No. | 2,429 | 2,469 | 2,438 | - 1.3 |
| Man-hours paid . . . . . . . . . . . . . '000 | 5,349 | 5,452 | 5,402 | -0.9 |
| Wages . . . . . . . . . . . . . . . . . . . . ${ }^{\prime} 000$ | 13,923 | 14,650 | 16,021 | $+9.3$ |
| Cost of matkrials and supplies\$'000 | 102,811 | 102,375 | 1(16,614 | $+4.1$ |
| Value of shipments ........... \$'000 | 216,509 | 223,231 | 240,404 | $+7.6$ |
| Value added . . . . . . . . . . . . . . . $\$ 1000$ | 112,105 | 119,919 | 133,29; | $+11.2$ |
| TOTAL ACTIVITY |  |  |  |  |
| Total employees .............. No. | 5,662 | 5,728 | 5,624 | - 1.8 |
| Total salaries and wages ..... \$ 000 | 37,379 | 39,465 | 42,263 | $+7.1$ |
| Total value added ............ \$ ${ }^{\prime} 000$ | 118,353 | 125,888 | 141,792 | $+12.7$ |

p Preliminary.
Miscellaneous Machinery and Equipment Manufacturers (S.1.C. 315)

| Selected Principal Statistics | 1966 | 1967 | 1968F | \% chang" $1968 / 1967$ |
| :---: | :---: | :---: | :---: | :---: |
| Establishments .............. No. | 557 | 575 | 609 | + 5.9 |
| MANUFACTURING ACTIVITY |  |  |  |  |
| Production and related workers No. | 30,880 | 31,205 | 30,403 | - 2.6 |
| Man-hours paid . . . . . . . . . . . . '000 | 67,849 | 68,078 | 64,956 | - 4.6 |
| Wages . . . . . . . . . . . . . . . . . . . . $\$ 1000$ | 169,327 | 179,626 | 184,858 | + 2.9 |
| Cost of materials and supplies\$'000 | 464,222 | 484,325 | 489,930 | $+1.2$ |
| Value of shipments .......... \$ ${ }^{\prime} 000$ | 931,574 | 983,475 | 1,008,012 | $+2.5$ |
| Value added . . . . . . . . . . . . . . $\$ 1000$ | 479,512 | 503,870 | 513,338 | + 1.9 |
| TOIAL ACTIVITY |  |  |  |  |
| Total employees .............. No. | 47,281 | 48,852 | 47,810 | - 2.1 |
| Total salaries and wages . . . . \$'000 | 275,751 | 301,124 | 313,712 | +4.2 |
| Total value added . . . . . . . . . . \$'000 | 533,963 | 550,218 | 560,117 | + 1.8 |

$\bar{p}$ Preliminary.
Manufacturers of Printing Inks (S.I.C. 3791)

| Selected Principal Statistics | 1966 | 1967 | 1968 p | \% change 1968/1967 |
| :---: | :---: | :---: | :---: | :---: |
| Establishments ............. No. | 38 | 41 | 42 | $+2.4$ |
| MANUFACTURING ACTIVITY |  |  |  |  |
| Production and related workers No. | 702 | 706 | 748 | $+6.0$ |
| Man-hours paid ............... '000 | $1,592$ | 1,494 | 1,556 | + 4.1 |
| Wages . . . . . . . . . . . . . . . . . . . . . $\$ 1000$ | 3,719 | 3,781 | 4,151 | + 9.7 |
| Cost of materials and supplies\$'000 | 12,716 | 12,412 | 14,376 | $+15.8$ |
| Value of shipments ........... $\$ 1000$ | 25,378 | 26,581 | 30,201 | +13.6 |
| Value added . . . . . . . . . . . . . . . . \$'000 | 12,736 | 14,112 | 15,676 | +11.1 |
| IOTAL ACTIVITY |  |  |  |  |
| Total employees .............. No. | 1,278 | 1,303 | 1,367 | $+4.9$ |
| Total salaries and wages ..... $\$ 1000$ | $7,908$ | $8,397$ | 9,265 | +10.3 |
| Total vaiue added . . . . . . . . . . . \$'000 | 16,029 | 17,180 | 19,950 | $+16.1$ |

[^0]MANUFACTURING (concluded)
Other Chemical Industries, n.e.s. (S.I.C. 3799)

| Selected Principal Statistics | 1966 | 1967 | 1968p | \% change $1968 / 1967$ |
| :---: | :---: | :---: | :---: | :---: |
| Establishments . .............. No. | 329 | 315 | 313 | - 0.6 |
| MANUFACTURING ACTIVITY |  |  |  |  |
| Production and related workers No. | 3,801 | 3,751 | 3,830 | - 0.6 |
| Man-hours paid ............... '000 | 8,103 | 8,019 | 8,151 | + 1.6 |
| Wages . . . . . . . . . . . . . . . . . . . . . \$ ${ }^{\text {'000 }}$ | 16,699 | 17,472 | 19,169 | + 0.97 |
| Cost of materials and supplies\$'000 | 122,646 | 124,507 | 135,302 | +8.3 |
| Value of shipments . . . . . . . . . ${ }^{\prime}$ '000 | 232,646 | 236,610 | 257,493 | +8.8 |
| Value added ................... ${ }^{\text {' }}$ '000 | 108,837 | 109,812 | 120,637 | + 9.9 |
| TOTAL ACTIVITY |  |  |  |  |
| Total employees . . . . . . . . . . . . No. | 7,986 | 7,992 | 8.269 | + 3.6 |
| Total salaries and wages . .... ${ }^{\prime} 000$ | 46,157 | 48,538 | 53,619 | +10.5 |
| Total value added ............ ${ }^{\prime} 0000$ | 122,694 | 122,234 | 135,317 | +10.7 |

p Preliminary.
Concrete Products Manufacturers (S.I.C. 347)

| Selected Principal Statistics | 1966 | 1967 | 1968F | \% change $1968 / 1967$ |
| :---: | :---: | :---: | :---: | :---: |
| Establishments ................ No. | 561 | 499 | 473 | - 5.2 |
| MANUFACTURING ACTIVITY |  |  |  |  |
| Production and related workers No. | 8,614 | 7,989 | 7,854 | - 1.7 |
| Man-hours paid ............... '000 | 19,538 | 18,216 | 17,731 | - 2.7 |
| Wages . . . . . . . . . . . . . . . . . . . . . \$ ${ }^{\prime} 000$ | 41,455 | 40,814 | 42,825 | + 5.1 |
| Cost of materials and supplies \$'000 | 75,035 | 71,799 | 75,582 | + 5.3 |
| Value of shipments . . . . . . . . . ${ }^{\prime}$ '000 | 197,295 | 193,648 | 201,606 | + 4.1 |
| Value added ................... ${ }^{\text {' }}$ '000 | 118,548 | 116,742 | 122,787 | + 5.2 |
| TOTAL ACTIVITY |  |  |  |  |
| Total employees .............. No. | 11,090 | 10,321 | 10,166 | - 1.5 |
| Total salaries and wages ..... \$'000 | 56,047 | 55,945 | 59,534 | + 6.4 |
| Total value added . . . . . . . . . . ${ }^{\prime} 000$ | 122,638 | 119,732 | 126,201 | + 5.4 |

p Preliminary.
Manufacturers of Toilet Preparations (S.I.C. 377)

| Selected Principal Statistics | 1966 | 1967 | 1968p | \% change $1968 / 1967$ |
| :---: | :---: | :---: | :---: | :---: |
| Establishments ............... No. | 67 | 66 | 62 | -6.1 |
| MANUFACTURING ACTIVITY |  |  |  |  |
| Production and related workers No. | 2,380 | 2,515 | 2,542 | $+1.0$ |
| Man-hours paid . . . . . . . . . . . . '000 | 4,809 | 5,130 | 5,274 | + 2.8 |
| Wages . . . . . . . . . . . . . . . . . . . . . \$ ${ }^{\text {'000 }}$ | 8,136 | 9,392 | 9,668 | + 3.0 |
| Cost of materials and supplies\$'000 | 38,836 | 42,879 | 46,332 | + 8.0 |
| Value of shipments . . . . . . . . . ${ }^{\text {S }}$ '000 | 110,515 | 117,201 | 126,900 | +8.3 |
| Value added ................... ${ }^{\text {'0000 }}$ | 73,205 | 74,957 | 80,871 | + 7.9 |
| TOTAL ACTIVITY |  |  |  |  |
| Total employees . . . . . . . . . . . . No. | 4,666 | 4,869 | 4,887 | + 0.37 |
| Total salartes and wages ..... \$'000 | 22,686 | 25,594 | 27,789 | $+8.6$ |
| Total value added . . . . . . . . . . ${ }^{\prime}$ '000 | 79,133 | 80,945 | 86,079 | $+6.5$ |

[^1]AGRICULTURF
A N D
FO D

Sales of standard, special and two per cent milk increased by $4 \%$ in February over February 1969 to reach $131,589,000$ quarts. Sales of cereal, table, whipping and sour creim rose by $1 \%$ to j,241,000 quarts.
32.

## Estimates of Production and Disappearance of Meats, 1969

Disappearance of red meats in 1969 was 156.0 pounds per capita compared with 159.4 in 1968 , a decline of 3.4 pounds. Beef declined from 86.7 to 86.4 pounds per capita; veal from 6.4 to 5.1 ; mutton and lamb from 4.2 to 4.0 ; pork from 53.6 to 51.9 ; and canned meat from 4.7 to 4.6 . The disappearance of offal increased from 3.8 to 4.0 pounds per capita. Beef and pork accounted for $88.6 \%$ of the total disappearance of red meats.

Domestic production of read meats for 1969 is estimated at 3.1 billion pounds, down $5.3 \%$ from the 3.3 billion pounds estimate for 1968 . This production estimate includes slaughter plus the meat equivalent of animals exported alive.

Output of meats and offal from animals slaughtered in Canada which includes live imports for slaughter, declined to 3.2 billion pounds in 1969 from 3.3 billion pounds in 1968, a decrease of $4.1 \%$.

Exports of red meats and offal in 1969 were 167 million pounds, down $6.6 \%$ from 1968 exports, but above 1967 exports. Smaller exports of beef and veal, canned meats and offal were more than offset by a substantial increase in exports of mutton and 1 amb.

Disappearance of poultry meat in 1969 was estimated at 42.8 pounds per capita compared with 39.7 pounds in 1968 , an increase of 3.1 pounds.

Due to changes in lard source data, comparable 1969 lard production information is not available.
33.

Wool Production and Supply Wool production in Canada (1) in 1969 is estimated at $3,465,000$ pounds. This represents only shorn wool production. Under the provisions of the Statistics Act pulled wool production is confidential as less than three firms are now engaged in this activity. Shorn wool production decreased only fractionally compared to 1968.

Imports of woul decreased from 60.5 million pounds in 1968 to 53.3 million pounds in 1969. Exports dropped from about 3 million pounds to 2.5 million pounds. The $11 \%$ reduction in imports caused domestic disappearance of wool to be lower by roughly the same percentage, to a new low of 54.2 million pounds.

The preliminary estimate of the farm value of shorn wool production in 1969 is $\$ 1,374,000$. This includes deficiency payments made to producers under the provisions of the Agricultural Stabilization Act. The deficiency payment on qualifying grades of wool was 29.0 cents per pound compared with 29.4 cents per pound for the 1968 clip.

The average farm price not including deficiency payments cose to 22.4 cents per pound from 21.6 cents per pound in 1968 .
(1) Not including Newfoundland. In 1969 there were 53,076 pounds of wool graded (excluding rejects) in that province according to the Canada Department of Agriculture.

$$
\frac{\text { Intentions to Contract Acreages of }}{\text { Processing Vegetable Crops, } 1970}
$$

The most noticeable changes in acreages are the proposed increase in Maritime production of beans and the large reduction of pea acreages across Canada. In Ontario the proposed 1970 acreage of beans can be broken down into 1,521 acres for freezing and 2,051 acres for canning and pickling, the corn can be divided into 6,691 acres for freezing and 21,482 acres for canning or pickling and the peas acreage can be broken down to 7,482 for freezing and 9,767 for canning or pickling. In 1969 Ontario firms contracted 2,220 acres of beans for freezing and 2,140 for canning and pickling; corn was contracted at 5,870 acres for freezing and 21,340 acres for canning and pickling, and peas were contracted at 7,790 acres for freezing and 13,420 acres for canning and pickling.

It should be emphasized that the 1970 figures are the intentions at the time of reporting. Acreages actually contracted later in the season could vary considerably for a variety of factors such as weather or economic conditions.
35.

Selected Meat and Meat Preparations
February net distributive sales of fresh and frozen meats rose to 154,642,000 pounds from $151,854,000$ in February 1969, bringing the year-to-date total to $321,795,000$ pounds $(310,250,000$ in 1969). Sales of sweet-pickled or drysalted meats dropped to 3,051,000 pounds in Fubruary (from 3,182,000 in 1969), cutting the year-to-date figure to $5,715,000$ pounds (from $6,641,000$ ). Smoked meat sales in February increased to $19,118,000$ pounds from $18,287,000$ in 1969 , boosting the year-to-date total to $39,563,000$ pounds from $36,313,000$ in 1969. February shipments of fresh and frozen poultry totalled $15,542,000$ pounds ( $11,450,000$ in 1962 ), waisings the year-to-date total to $30,162,000$ pounds from $23,649,000$ in 1969 .
36.

Honey Stocks of honey held by producers on March 31, 1970 stood at $23,056,773$ pounds, $62.7 \%$ higher than the $14,171,394$ pounds on
March 31, 1969.
37.

Dairy Review The preliminary estimate of milk produced in March is $1,312,000,000$ pounds, $1.5 \%$ above production in the corresponding month last year. This would make the total estimate of production during the first three months of the year $3,560,000,000$ pounds or $3.9 \%$ above production in the January-March period a year ago.

Almost $55 \%$ of the milk produced in March, or $719,000,000$ pounds, was used for dairy factory products. This is $1.1 \%$ above factory utilization in March 1969. During the January-March period, $4.9 \%$ more milk was utilized for dairy factory products than in the corresponding period a year ago.

Fluid sales of milk and cream during March, for purposes of the advance preliminary estimate, are calculated at $449,000,000$ pounds of milk, an increase of $3.0 \%$ from the sales in March 1969. This assumes the same relationship to year-earlier estimates as for the month of February.

> Net Income of Farm Operators Erom Farming Operations

Realized net income of Earm operators from farming operations amounted to $\$ 1,439.5 \mathrm{mil}=$ lion in 1969. This is about $6 \%$ below the tevised Iigure of $\$ 1,532.8$ million for 1968 . This estimate is prepared by adding logether farm cash receipts from farming operations, supplementary payments and the value of income in kind, and deducting farm operating expenses and depreciation charges. This estimate of farm net income represents the amount of income from larming that operators have left for family living or investment after provision has been made for operating expenses and depreciation charges. Most of this decline can be attributed to a substantial drop in income in Alberta and Saskatchewan. Although operating expenses were slightly lower in 1969 than in 1968 as a result of lesser outlays for rent, fertilizers and feed, this was more than offset by a reduction in farmers' cash receipts because of lower Canadian Wheat Board participation payments and smaller returns from wheat, cattle and calves.

Total farm net income, which is realized net income adjusted for value of inventory changes, amounted to $\$ 1,748.3$ million in 1969 , fractionally above the revised estimate of $\$ 1,743.1$ million of a year earlier. The decline recorded for cash receipts was offset by the lower operating expenses, and substantial additions to farm-held inventories of field crops and increased livestock numbers. This estimate is used in calculating the contribution of agriculture to National Income and for making comparisons with net income of non-farm business enterprises.

Farm net income in thousands of dollars for the year 1969 with comparable 1968 data in brackets: Prince Edward Island, 8,875 (9,097); Nova Scotia, 26,674 (18,765); N(w Brunswick, 10,873 (12,446); Quebec, 250,378 (200,520); Ontario, 476,189 (398,753); Manitoba, 123,992 (164,601); Saskatchewan, 455,397 (464,088); Alberta, $297,624(373,581)$; British Columbia, $98,324(101,282)$.

## RE1EASED THIS WEEK

Catalogue numbers and prices are shown following the titles, except in čases where items are published as advance information. The information will be included in regular DBS publication, which will be released at a later date.

1. Balance of Trade, March 1970
2. Canada's Foreign Trade, First Quarter 1970
3. Sales and Purchases of Securities between Canada and Other Countries, January $1970(67-002), 20 c / \$ 2.00$
4. Sales and Purchases of Securities between Canada and other Countries, December 1969 and Review of Security Trading during 1969 (67-002), 20c/\$2.00
5. Building Materials Price Indexes and Selected Components, Mareh 1970
6. Security Price Indexes, April 21, 1970
7. Carloadings, Period ended April 14, 1970
8. Urban Transit, February 1970 (53-003), $10 \mathrm{c} / \$ 1.00$
9. Passenger Bus Statistics, Fcbruary 1970 (53-002), 10ç/\$1.00
10. Crudit Statistics, Fubruary 1970 ( $61-004$ ), 20¢ $/ \$ 2.00$
11. Breweries, February $1970(32-019), 10 c ̧ / \$ 1.00$
12. Monthly Production of Suft Drinks, March $1970(32-001), 10$ ç/\$1.00
13. Department store Sales by Regions, March 1970 (63-004), \$1.00 a year
14. Department Store Sales and Stucks, February 1970 (63-002), 20c/\$2.00
15. Silver, Lead and Zinc Production, February 1970 (26-008), $10 c / \$ 1.00$
16. Copper and Nickel Production, February 1970 (26-003), 10 ¢ $/ \$ 1.00$
17. Gold Production, February 1970 ( $26-004$ ), 10 ç/\$1.00
18. Iron Ore, February $1970(26-005), 10<¢ / \$ 1.00$
19. 
20. 
21. 
22. 
23. 
24. 
25. 
26. 
27. 
28. 
29. 
30. Census of Manufactures, 1968: Miscellaneous Machinery and Equipment

Iron Castings and Cast Iron Pipe and Fittings, Fobruary 1970 (41-004), 10c/\$1.00 Asbestos, February 1970 (26-001), 10ç/\$1.00
Refrigerators and Freezers, February 1970
Pulpwood and Wood Residue, February 1970
Sawnills East of the Rockies, February 1970
Production of Steel Ingots, Week ended April 25, 1970
Steel Wire and Specified Wire Products, February 1970 (41-006), 10c/\$1.00
Salt, February 1970 (26-009), 10ç/\$1.00
Specified Chemicals, February $1970(46-002), 10 ¢ / \$ 1.00$
Asphalt and Vinyl-Asbestos Floor Tile, February 1970 (47-001), 10 c $/ \$ 1.00$
Shipments of Papermakers' and Other Felts, First Quarter 1970 Manufacturers; Manufacturers of Soap and Cleaning Compounds; Manufacturers of Printing Inks; Other Chemical Industries, N.E.S.; Concrete Products Manufacturers; Manufacturers of Toilet Preparations
31. Fluid Milk Sales, February 1970 (23-002), 10 C / $\$ 1.00$
32. Estimates of Production and Disappearance of Meats, 1969 (32-220), 25¢
33. Wool Production and Supply, 1969
34. Intentions to Contract Acreages of Processing Vegetable Crops, 1970 (22-003), $\$ 1.00$ for 1970 series
35. Selected Meat and Meat Preparations, February 1970 (32-020), 10 ç/\$1.00
36. Stocks of Honey Held by Producers, Quarter ended March 31, 1970
37. The Dairy Review, March 1970 (23-001), 20¢/\$2.00
38. Farm Net Income, 1969 (21-204), 25c

Service Bulletins: Fish Freezings and Stocks, Newfoundland, Quebec, Maritimes, Ontario and Prairies, and Canada, March 1970; Aviation Statistics, Vol. 2, Nos $15 a a n d 16$; Stocks of Canned Fruits and Vegetables Held by Canners, by Geographical Areas, February 1970; Advance Release of Fish Landings, British Columbia, March 1970; Production and Inventory of Dry Skim Milk Powder, March 1970; Energy Statistics, Vol. 5, Nos 30, 31, 32 and 33 (57-002), $\$ 5.00$ a year; Fuel and Electricial Purchased and Consumed by the Manufacturing Industries, 1965, Vol. 5, No. 28 (57-002), \$5.00 a year; Sales of Natural Gas, February 1970, Vol. 5, No. 29 (57-002), \$5.00 a year
Released this week but summarized in the Weekly earlier:
Trade of Canada - Summary of Foreign Trade, February 1970 ( $65-001$ ), $10 ¢ / \$ 1.00$
Advance Statement on Employment and Average Weekly Wages and Salaries, February $1970(72-001), 10 ¢ / \$ 1.00$
Index of Industrial Production, February 1970 (61-005), 20ç/\$2.00 Raw Hides, Skins and Finished Leather, February 1970 (33-001), $10 ¢ / \$ 1.00$ Domestic Washing Machines and Clothes Dryers, February 1970 (43-002), $10 ¢ / \$ 1.00$ Production of Canada's Leading Minerals, February 1970 (26-007), $10 ¢ / \$ 1.00$ Stocks of Canned Foods, January $1970(32-011), 20 ¢ / \$ 2.00$ Speciffed Domestic Electrical Appliances, January 1970 (43-003), $10 ¢ / \$ 1.00$ Preliminary Bulletins, 1968 annual Census of Manufactures: Leather Tanneries (33-202-P); Concrete Products Manufacturers (44-205-P); Wire and Wire Products Manufacturers (41-216-P); Heating Equipment Manufacturers (41-225-P); Platemaking, Typesetting and Trade Bindery Plants (36-203-P); Metal Stamping, Pressing and Coating Industry (41-227-P); Hardware, Tool and Cutlery Manufacturers (41-208-P); Manufacturers of Miscellaneous Electrical Products (43-210-P); Dental Laboratories (47-206-P); Manufacturers of Toilet Preparations (46-215-P); Paper and Plastic Bag Manufacturers (36-207-P); Signs and Displays Industry (47-209-P); Household Furniture Industry ( $35-211-\mathrm{P}$ ); Publishing and Printing ( $36-203-\mathrm{P}$ ) ; Publishing only (36-203-P); Communications Equipment Manufacturers (43-206-P); Other Rubber Industries (33-206-P); Pulp and Paper Mills (36-204-P), \$3.50 for annual series on manufacturing industries.


[^0]:    p Preliminary

[^1]:    p Preliminary

