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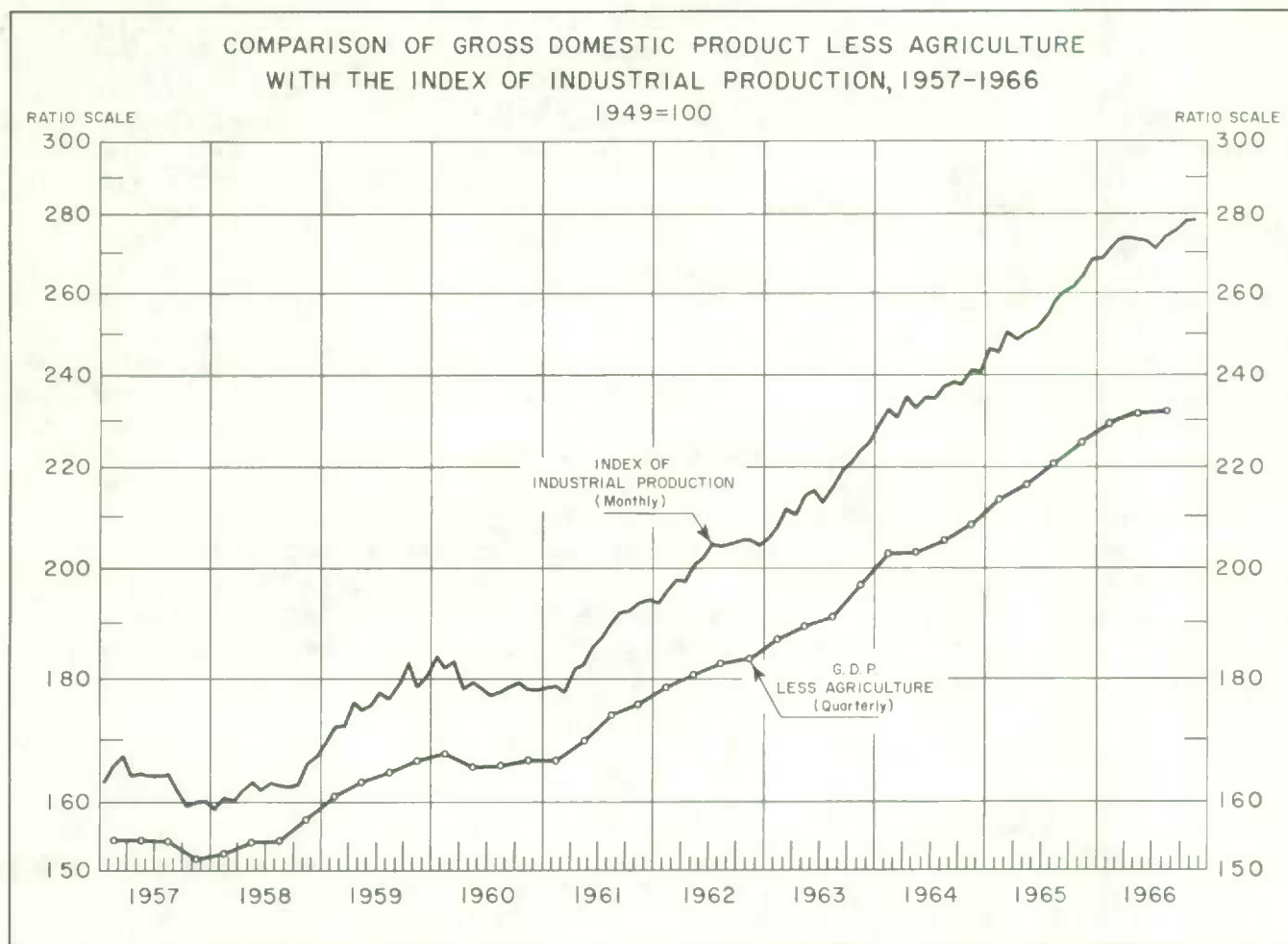
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## INDEX OF INDUSTRIAL PRODUCTION (1949=100)

NOVEMBER 1966

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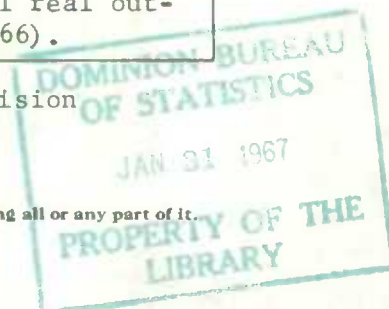


This issue contains indexes of non-agricultural real output for the latest available quarter (3rd quarter 1966).

National Accounts and Balance of Payments Division  
Industrial Output Section

January 1967  
2205-502

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## NOVEMBER INDEX OF INDUSTRIAL PRODUCTION

The seasonally adjusted Index of Industrial Production advanced by 0.3 per cent in November, rising to 279.1 from the October level of 278.3. The bulk of this gain originated in electric power and gas utilities, as they rose by 2.5 per cent, while manufacturing and mining rose only fractionally (+ 0.1 and 0.2 per cent respectively). Both components shared in the utilities advance, electric power rising by more than 2 per cent and gas by more than 3. The gain in manufacturing was entirely due to a 0.2 per cent rise in non-durables as durables fell slightly from October.

In non-durable manufacturing 8 of the 11 major groups rose by amounts ranging from fractional to 5 per cent while leather products, foods and beverages, and products of petroleum and coal fell by amounts ranging from fractional to 5 per cent. Within the detail, the bulk of the drop in foods and beverages was in the beverages component (- 6%), with breweries (- 12%) being the major contributor. In the foods component (- 1%) most of the drop occurred in meat products, which fell by 5 per cent.

In durable manufactures, which fell marginally, 3 of the 6 major groups rose. Both advances and declines, at the group level, were in the range of 1 to 3 per cent. Within the detail the gain of 2 per cent in electrical apparatus and supplies was primarily due to a better than 7 per cent gain in telecommunication equipment. This was partially offset by a 4 per cent drop in refrigerators and appliances. In transportation equipment (+ 1%) nearly all of the increase was due to gains of 1 per cent in both motor vehicles and motor vehicle parts. The 2 per cent drop in iron and steel products was in large part the result of declines of 5 per cent and 6 per cent in primary iron and steel and iron castings which were only partially offset by gains in the other components. The decline in primary iron and steel was in part attributable to a labour dispute. The decline of 3 per cent in non-metallic mineral products was almost entirely due to the 6 per cent fall in concrete products.

In mining (+ 0.2%), both metals and non-metals fell by 2 per cent, while fuels advanced by nearly 4 per cent. In metals drops of 6 to 10 per cent in lead, copper and nickel were only partially offset by gains of 2 per cent and 9 per cent in iron ore and zinc. In non-metals (- 2%) both components contributed to the decrease. Although all 3 fuel components advanced the bulk of the gain was due to the near 4 per cent increase in natural gas.

### NOTES

1. Users should note that all previously published figures for the Index of Industrial Production and its components have been revised, both on a seasonally unadjusted and adjusted basis, from January, 1949 to date. Tables and charts together with a fuller explanation of these changes can be found in the recently published "Annual Supplement to the Index of Industrial Production (1949=100)", DBS Catalogue No. 61-005 May 1966. The revised data to the end of 1965 will be found there. Current issues of this report will provide the figures for 1966.

2. The figures in tables 1 and 2 may not reconcile with those on the Index of Industrial Production in table 3 because of small revisions to June which have not been incorporated in the latter table.

TABLE 1. Seasonally Adjusted Index of Industrial Production  
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		June	July	Aug.	Sept.	Oct.	Nov.
INDEX OF INDUSTRIAL PRODUCTION	32.231	273.3	270.8	274.2	275.7	278.3	279.1
MINING .....	3.245	391.5	376.3	389.6	384.4	401.1	401.9
Metals .....	1.925	258.5	224.5	241.9	246.5	258.7	253.1
Gold .....	0.575	69.4	74.2	66.1	69.7	66.0	65.7
Copper .....	0.352	194.4	165.5	162.2	181.0	206.6	188.2
Iron ore .....	0.099	1,257.2	733.3	1,237.6	1,273.1	1,309.0	1,339.8
Nickel .....	0.333	208.3	151.2	141.8	199.3	200.8	179.9
Non-metals .....	0.268	376.0	388.4	430.9	407.9	400.0	390.7
Asbestos .....	0.189	281.5	295.3	324.9	299.1	283.5	281.0
Fuels .....	0.915	658.5	678.1	674.8	651.8	685.9	711.1
Coal .....	0.553	55.5	49.9	61.7	55.0	55.3	55.9
Natural gas .....	0.035	1,632.8	1,560.1	1,557.7	1,678.5	1,666.9	1,755.3
Petroleum .....	0.327	1,573.9	1,646.0	1,617.2	1,551.2	1,647.3	1,707.4
MANUFACTURING, TOTAL .....	27.340	245.3	244.8	246.1	248.1	249.6	249.8
NON-DURABLE MANUFACTURES .....	14.742	240.2	240.2	240.7	239.3	241.4	241.8
Foods and beverages .....	3.814	207.8	208.6	205.4	204.0	210.4	204.9
Foods .....	2.896	197.9	198.2	193.0	194.6	201.4	198.6
Meat products .....	0.523	196.4	190.2	184.9	184.5	211.8	200.4
Dairy products .....	0.450	199.1	203.1	196.9	199.5	208.9	206.2
Canning and processing .....	0.453	216.9	212.8	211.8	223.8	222.5	217.0
Grain mill products .....	0.322	201.5	210.6	203.0	204.6	213.4	214.5
Bakery products .....	0.558	157.9	158.7	158.8	157.6	156.3	155.6
Miscellaneous foods .....	0.590	219.8	221.2	209.6	207.1	206.2	209.2
Beverages .....	0.918	239.0	241.3	244.7	233.5	239.0	224.5
Carbonated beverages .....	0.231	225.5	235.1	227.2	218.0	230.1	222.6
Breweries .....	0.463	195.2	208.8	212.6	208.3	220.7	194.9
Distilleries .....	0.203	357.5	324.6	340.5	312.4	292.7	293.9
Tobacco and tobacco products ..	0.248	241.4	233.7	241.6	267.4	257.1	263.2
Rubber products .....	0.430	237.5	261.7	261.7	240.1	257.7	270.7
Leather products .....	0.508	140.2	133.1	137.4	138.5	135.7	135.2
Boots and shoes .....	0.307	143.3	131.7	136.5	141.1	139.0	138.6
Textiles .....	1.623	225.9	223.9	232.2	234.3	239.1	239.9
Cotton goods .....	0.507	117.7	108.8	110.1	148.7	159.1	157.6
Woollen goods .....	0.300	101.4	89.2	98.5	91.1	84.5	86.2
Synthetic Textiles and Silk	0.429	431.7	440.1	465.9	440.0	451.4	454.1
Clothing .....	1.801	180.0	179.1	173.6	177.9	176.7	180.1
Paper products .....	2.649	219.3	214.2	219.1	214.0	214.0	216.4
Pulp and paper .....	2.108	213.3	207.0	213.9	207.2	207.3	209.0



TABLE 1. Seasonally Adjusted Index of Industrial Production - Concluded  
(1949=100)

Industry or industry group	1949 percentage weights	Seasonally adjusted					
		1966					
		June	July	Aug.	Sept.	Oct.	Nov.
<b>NON-DURABLE MANUFACTURES -</b>							
<b>Concluded:</b>							
Printing, publishing and allied industries .....	1.273	237.8	241.4	246.6	236.7	230.1	237.5
Products of petroleum and coal	0.513	377.4	378.2	366.5	369.4	374.0	356.8
Petroleum products .....	0.454	411.1	411.5	399.2	401.7	406.9	388.4
Chemicals and allied products	1.359	377.4	379.8	376.6	374.9	378.2	381.4
Acids, alkalies, salts and fertilizers .....	0.346	528.0	537.5	532.7	489.2	509.1	509.4
Miscellaneous manufactures ....	0.524	447.2	449.8	455.8	460.9	460.0	461.7
<b>DURABLE MANUFACTURES .....</b>	<b>12.598</b>	<b>251.3</b>	<b>250.2</b>	<b>252.4</b>	<b>258.5</b>	<b>259.2</b>	<b>259.1</b>
Wood products .....	2.108	185.1	188.2	182.8	180.8	179.9	184.8
Saw and planing mills .....	1.444	181.9	185.3	176.6	175.0	173.8	180.4
Veneers and plywoods .....	0.122	431.4	428.1	426.1	424.8	398.2	426.1
Sawmills .....	0.994	176.0	181.3	169.2	167.4	169.0	
Furniture .....	0.460	233.5	237.3	241.3	237.0	235.7	237.4
Iron and steel products .....	4.026	248.7	248.7	248.8	259.3	256.1	251.8
Machinery .....	0.851	271.0	271.2	274.7	280.3	281.5	282.4
Iron castings .....	0.387	191.4	178.5	203.7	228.1	239.2	222.4
Primary iron and steel .....	0.845	321.0	319.5	311.5	341.6	322.7	305.5
Sheet metal products .....	0.359	280.9	283.5	288.6	285.6	282.1	282.6
Transportation equipment .....	2.651	266.8	257.7	272.4	278.7	278.0	280.3
Aircraft and parts .....	0.203	406.5	418.9	423.0	451.3	455.3	455.0
Motor vehicles .....	1.035	367.0	336.7	368.8	379.6	369.0	372.6
Motor vehicle parts .....	0.462	327.2	339.4	346.7	346.7	363.6	368.5
Railway rolling stock .....	0.621	61.5	59.6	56.6	55.7	58.8	59.2
Shipbuilding and repairs ....	0.261	164.0	160.5	168.1	171.5	168.5	168.4
Non-ferrous metal products ....	1.601	200.2	190.9	186.0	196.9	197.9	195.0
Brass and copper products ...	0.241	184.3	182.2	184.2	179.2	178.5	177.7
Smelting and refining .....	1.028	198.9	185.2	175.9	194.0	193.9	189.5
Electrical apparatus and supplies .....	1.418	359.3	368.1	380.4	382.6	397.9	406.2
Heavy electrical machinery ..	0.489	269.0	272.0	281.8	284.5	283.8	283.0
Telecommunication equipment	0.142	1,017.0	1,082.5	1,101.4	1,126.7	1,178.2	1,264.1
Refrigerators and appliances	0.227	323.4	340.1	382.7	352.0	397.0	380.5
Non-metallic mineral products	0.794	298.8	306.3	293.5	295.2	299.0	289.3
Concrete products .....	0.098	892.7	901.7	860.6	889.5	887.5	834.5
Hydraulic cement .....	0.117	303.7	344.3	309.0	316.0	303.3	302.9
Domestic clay products .....	0.083	148.1	147.3	129.2	136.7	159.5	140.1
<b>ELECTRIC POWER AND GAS UTILITIES</b>	<b>1.646</b>	<b>504.8</b>	<b>495.6</b>	<b>513.7</b>	<b>519.3</b>	<b>512.0</b>	<b>524.7</b>
Electric power .....	1.480	469.2	461.0	477.7	478.4	467.3	477.9
Gas .....	0.166	821.8	804.1	834.9	883.7	910.1	941.6

TABLE 2. Index of Industrial Production, without Seasonal Adjustment  
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
INDEX OF INDUSTRIAL PRODUCTION	235.3	254.9	263.7	268.7	274.0	279.9	286.3	290.3
MINING .....	346.4	365.6	399.4	371.5	384.1	405.0	411.4	409.9
Metals .....	245.7	249.5	276.3	251.3	256.1	271.1	275.2	253.7
Gold .....	85.9	80.6	79.0	81.3	80.6	69.9	67.4	67.7
Copper .....	187.8	195.6	197.0	179.3	222.1	183.9	205.8	211.7
Iron ore .....	1,185.3	1,236.8	1,505.1	1,489.8	1,252.9	1,756.9	1,623.1	1,259.4
Nickel .....	181.0	209.9	189.8	198.9	214.2	178.0	193.0	184.2
Non-metals .....	312.8	377.2	387.4	446.5	423.7	421.5	438.6	423.4
Asbestos .....	259.9	269.4	270.0	305.9	281.2	301.8	309.0	307.4
Fuels .....	557.7	592.8	630.5	569.1	616.3	647.0	655.1	718.6
Coal .....	55.1	56.3	56.3	58.9	68.7	55.5	58.1	66.6
Natural gas .....	1,382.3	1,476.4	1,276.9	1,435.6	1,597.0	1,443.5	1,603.6	1,844.8
Petroleum .....	1,319.2	1,405.5	1,532.3	1,339.2	1,437.4	1,562.1	1,563.3	1,700.6
MANUFACTURING, TOTAL .....	211.9	230.1	239.0	245.5	247.2	254.0	259.0	260.3
NON-DURABLE MANUFACTURES .....	211.2	224.1	239.3	241.1	238.2	250.8	252.2	251.2
Foods and beverages .....	185.6	193.1	222.4	214.0	210.9	230.7	227.3	218.2
Foods .....	180.6	187.4	219.7	207.8	195.3	225.9	220.9	205.1
Meat products .....	182.6	192.3	201.0	210.1	216.5	189.5	226.6	225.6
Dairy products .....	189.6	196.0	217.1	191.6	174.5	217.5	202.8	182.9
Canning and processing ....	190.0	197.2	344.9	253.5	180.4	380.6	283.6	201.3
Grain mill products .....	184.1	189.3	195.3	205.2	206.9	203.1	222.5	223.2
Bakery products .....	151.3	151.7	156.4	156.1	154.5	162.8	161.9	159.7
Miscellaneous foods .....	190.6	201.9	215.4	233.3	236.2	218.0	236.3	240.1
Beverages .....	201.3	211.0	230.7	233.6	260.1	245.6	247.8	259.4
Carbonated beverages .....	181.0	186.2	215.6	151.9	181.3	240.0	188.9	215.7
Breweries .....	185.7	191.1	161.6	173.2	215.6	179.1	199.3	213.4
Distilleries .....	262.1	284.8	389.0	448.4	454.3	384.2	410.1	416.2
Tobacco and tobacco products	232.1	243.4	257.6	259.4	262.2	282.4	267.9	277.7
Rubber products .....	232.8	237.4	263.0	258.3	266.8	261.9	263.9	292.1
Leather products .....	137.3	135.2	142.0	139.3	141.0	143.7	137.3	139.1
Boots and shoes .....	136.9	134.3	142.7	138.9	138.2	146.9	139.0	139.7
Textiles .....	203.3	220.6	245.5	238.5	231.2	244.6	247.1	249.8
Cotton goods .....	141.2	149.7	176.0	160.5	149.8	156.1	168.3	168.6
Woollen goods .....	91.2	89.6	109.1	104.8	90.4	100.7	94.9	89.9
Synthetic textiles and silk	338.4	391.3	435.2	425.8	417.3	460.2	458.2	469.5
Clothing .....	163.4	171.2	178.0	181.4	177.4	185.0	182.7	181.0
Paper products .....	186.3	198.3	203.7	211.2	208.5	216.9	222.6	224.9
Pulp and paper .....	182.0	192.8	194.2	203.9	202.6	207.2	215.0	219.0

TABLE 2. Index of Industrial Production, without Seasonal Adjustment - Concluded  
(1949=100)

Industry or industry group	Annual averages		Without seasonal adjustment					
			1965			1966		
	1964	1965	Sept.	Oct.	Nov.	Sept.	Oct.	Nov.
NON-DURABLE MANUFACTURES - Concluded:								
Printing, publishing and allied industries .....	207.4	223.3	222.8	243.3	245.8	237.9	244.7	251.5
Products of petroleum and coal	330.1	345.9	347.6	347.2	339.5	370.9	370.7	356.8
Petroleum products .....	357.9	375.5	377.3	377.2	368.4	403.3	403.2	388.4
Chemicals and allied products	312.7	344.7	355.6	369.6	363.1	375.5	386.5	384.6
Acids, alkalies, salts and fertilizers .....	416.5	469.0	488.3	498.3	509.6	479.4	516.2	524.2
Miscellaneous manufactures ....	386.5	407.3	432.2	436.9	436.4	483.0	485.8	483.9
DURABLE MANUFACTURES .....	212.7	237.2	238.7	250.7	257.7	257.7	267.0	270.9
Wood products .....	174.3	181.7	195.3	188.7	177.3	191.0	181.9	174.7
Saw and planing mills .....	180.0	182.8	199.0	187.7	170.3	186.8	173.1	162.2
Veneers and plywoods .....	397.7	403.8	429.2	427.2	435.4	433.7	403.0	435.9
Sawmills .....	172.8	177.1	194.3	179.8	153.8	181.3	166.3	
Furniture .....	192.6	216.3	227.1	231.3	233.0	245.5	246.1	246.9
Iron and steel products .....	215.2	239.1	253.0	250.7	250.6	266.0	260.4	256.2
Machinery .....	213.1	248.1	259.2	262.6	265.0	282.8	286.0	287.8
Iron castings .....	199.3	218.9	230.5	207.0	219.8	231.7	214.3	210.0
Primary iron and steel .....	291.2	320.0	339.6	334.3	336.0	346.0	329.2	317.1
Sheet metal products .....	248.1	274.2	296.1	289.0	279.3	302.5	291.7	282.9
Transportation equipment .....	210.5	250.0	197.1	259.3	298.2	233.9	275.9	311.4
Aircraft and parts .....	336.3	319.3	258.1	321.0	341.0	446.8	459.4	465.5
Motor vehicles .....	274.2	347.6	226.7	363.3	448.2	275.2	369.0	447.1
Motor vehicle parts .....	262.2	317.2	312.1	332.2	352.0	329.4	349.1	372.2
Railway rolling stock .....	58.9	62.6	62.9	63.2	63.6	55.6	59.4	60.3
Shipbuilding and repairs ....	148.7	161.9	160.9	163.5	167.8	168.6	167.0	169.1
Non-ferrous metal products ....	174.2	186.9	188.9	192.6	198.4	194.2	199.6	199.0
Brass and copper products ...	155.6	162.7	175.2	180.9	182.6	181.3	177.8	177.7
Smelting and refining .....	176.5	188.9	185.6	189.0	196.1	187.8	195.1	193.5
Electrical apparatus and supplies .....	279.1	319.2	341.1	347.9	352.7	403.9	428.8	437.4
Heavy electrical machinery ..	213.0	241.6	244.2	252.4	257.4	283.1	286.9	287.5
Telecommunication equipment	744.5	895.1	971.8	1,041.2	1,086.7	1,240.5	1,449.2	1,539.7
Refrigerators and appliances	274.9	301.9	342.3	323.4	313.7	387.2	397.0	376.7
Non-metallic mineral products	268.2	286.9	337.1	329.5	322.1	339.5	343.4	312.9
Concrete products .....	814.1	858.0	1,088.7	1,047.7	1,008.5	1,106.6	1,100.5	918.0
Hydraulic cement .....	277.5	298.8	358.4	367.7	320.0	385.5	376.1	327.1
Domestic clay products .....	138.3	142.8	165.1	156.0	155.3	154.7	173.4	152.3
ELECTRIC POWER AND GAS UTILITIES	405.7	448.3	406.8	451.6	502.5	463.9	492.5	552.3
Electric power .....	371.5	408.8	388.4	424.7	458.7	447.3	464.0	507.1
Gas .....	711.0	800.6	570.4	691.8	892.7	612.4	746.3	955.7



# Real Domestic Product less Agriculture

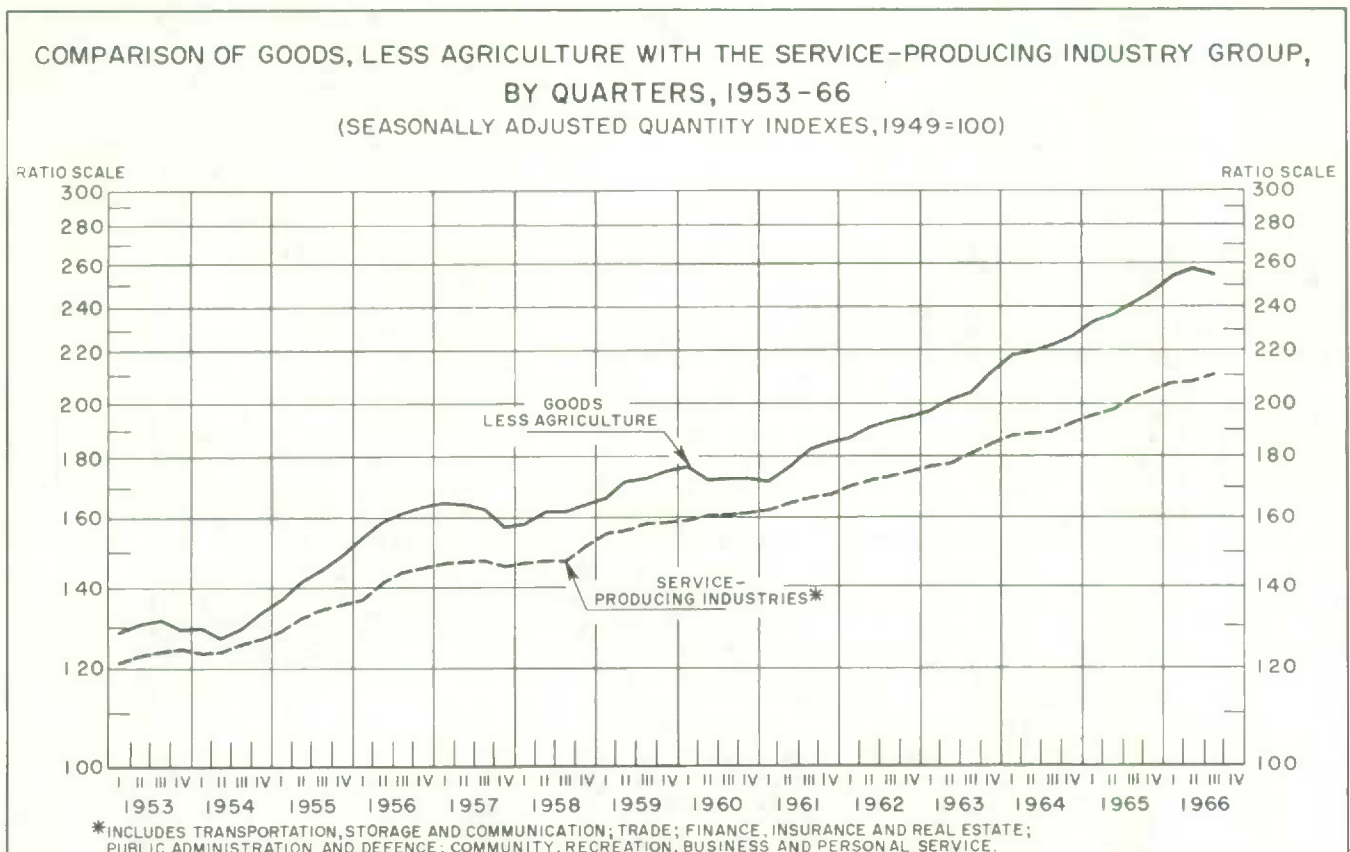
## Note to Users

The indexes of real domestic product at factor cost (the sum of the unduplicated output of all industries located in Canada) are an extension of the "Index of Industrial Production" to cover the whole range of domestic industries. In addition to mining, manufacturing and electric power and gas utilities, total domestic product includes the following industry groups: agriculture; forestry; fishing and trapping; construction; transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; and community, recreation, business and personal service.

The real domestic product indexes are also an elaboration of the supply side of the National Accounts. Total domestic product differs conceptually from constant dollar expenditure on Gross National Product by (1) the inclusion of income paid to non-residents (2) the exclusion of income received from non-residents, and (3) the exclusion of "indirect taxes less subsidies". In addition, of course, statistical differences may exist between these two measures of aggregate production.

The real output indexes in Table 3 serve to bring up to date the historical record of production in Canada published in the 1966 Annual Supplement to the Index of Industrial Production publication. For a detailed description of concepts and methods used as well as other relevant material, see D.B.S. Occasional Paper 61-505, "Indexes of Real Domestic Product by Industry of Origin, 1935-61".

Quarterly indexes for agriculture and for aggregate domestic production will not be available, except on a once-a-year basis; they will appear in the annual supplement to this report each spring.



Real Domestic Product less Agriculture,

Third Quarter, 1966

At an index level of 231.8 for the third quarter of 1966, seasonally adjusted Real Domestic Product, less agriculture, was virtually unchanged from its second quarter level. This was the result of a 1.1 per cent increase in the service-producing industry group being offset by a 0.9 per cent decline in the output of the goods-producing industry group, exclusive of agriculture. The following table shows the per cent changes in the major industry groupings from the second to the third quarter of 1966.

	<u>Per cent change</u>
Real Domestic Product, less agriculture .....	-
Forestry .....	- 7.6
Fishing and trapping .....	8.9
Mining .....	- 2.8
Manufacturing .....	0.1
Non-durable .....	-
Durable .....	0.3
Construction .....	- 4.7
Electric power and gas utilities .....	2.3
Transportation, storage and communication .....	- 2.2
Transportation .....	- 3.3
Trade .....	2.5
Wholesale .....	1.2
Retail .....	3.2
Finance, insurance and real estate .....	1.7
Public administration and defence .....	2.0
Community, recreation, business and personal service .....	1.2

Within the goods-producing industry group, declines ranging from about 3 to 7 1/2 per cent were recorded in mining, construction and forestry. Within mining, it was the 8.6 per cent decline in the strike-affected metal mining component which accounted for almost the entire 2.8 per cent decrease in total mining output. Fuel mining and non-metal mining advanced by 1 and 2.7 per cent, respectively. Within construction, it was the private residential construction component which showed the largest decline, accounting for about half of the total 4.7 per cent drop in construction. Among the remaining goods-producing industry groups, electric power and gas utilities advanced by 2.3 per cent, with most of the increase coming from a 2.5 per cent gain in the electric power component. Gas utilities increased by 1.4 per cent.

Manufacturing increased only fractionally from its second quarter level, as a result of the recovery of its durable manufacturing component from a marginal decline in the second quarter. Non-durable manufacturing showed no change from its second quarter level. Within durables, the increase came from the 4.8 and 1.5 per cent advances in the output of the electrical apparatus and supplies and the transportation equipment groups, the former largely as a result of the 9.1 per cent increase in its telecommunication equipment component. Increases in motor vehicle parts and aircraft and parts production accounted for the bulk of the gain in the transportation equipment group. Motor vehicle production was virtually unchanged in the third quarter, following a sharp decline in the second quarter of this year. It is now at a level slightly below that attained during the third quarter of 1965. On a monthly basis, however, there were considerable increases in production in both August and September, following a very low level for the month of July. The remaining major industry groups with-in durables showed declines in the third quarter, ranging from 0.3 per cent for the iron and steel products group to 3.6 per cent for non-ferrous metal products, the former largely as a result of a 1.6 per cent decline in the primary iron and steel component, the second consecutive decrease to be exhibited by this industry. The 5.7 per cent decline in the strike-affected smelting and refining industry accounted for almost all of the drop in the non-ferrous metals group.

Within non-durables, movements were mixed, with increases in such industry groups as foods and beverages, printing and publishing, rubber, miscellaneous manufacturing and textile products, offset by declines of one to 2 per cent in the remaining industry groups, with clothing, paper products and chemicals accounting for most of the decrease. The bulk of the increase in the third quarter came from strong gains in the brewery component of beverage products and the synthetic textiles and silk industry, which continued on its path of rapid and almost uninterrupted expansion begun in 1961.



Among the service-producing industries all but one of the major industry groupings showed increases from the second quarter, ranging from about one per cent in community, recreation, business and personal service, to 2 per cent in public administration and defence and 2.5 per cent in trade. The only decline (3.3 per cent) within the service-producing industry group was recorded by transportation, and was almost entirely the result of a drop in the output of the strike-affected railway industry, which more than offset the strong gains in such other components as air, bus and truck transport.

Trade was the largest single contributor to the third quarter gain in service-industry output, accounting for about three-quarters of this increase. Within trade, both components showed gains in the third quarter. Wholesale trade advanced by 1.2 per cent, with most components showing moderate increases in the quarter. Declines were recorded by petroleum bulk tank stations, wholesalers of construction materials and supplies and such other components as meat and dairy products, and fresh fruit and vegetable products. The bulk of the third quarter increase in trade came from the 3.2 per cent gain in retail trade, which in turn originated largely with the very sharp recovery in motor vehicle dealer sales from the drop the output of this industry took during the second quarter. It is now at a level slightly above the previous peak reached during the fourth quarter of 1965. The next largest contribution to the increase in total retail trade came from department stores, followed by furniture and appliance and by variety stores. Among the retail trades which showed declines in the third quarter were fuel dealers and lumber and building material dealers. Most of the remaining retail trades recorded moderate increases in the third quarter.

TABLE A.

	IQ'61 - IVQ'65		IQ'61 - IQ'66		IQ'61 - IIQ'66		IQ'61 - IIIQ'66	
	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture	% △	Effect on GDP less Agri- culture
Gross domestic product								
less agriculture ....	35.2	35.2	37.9	37.9	39.0	39.0	39.1	39.1
Forestry .....	22.0	.4	27.9	.5	37.5	.7	27.1	.5
Fishing and trapping ..	12.9	-.1	15.6	-.1	8.2	-	-	-
Mining .....	39.2	2.3	42.3	2.5	46.4	2.7	42.2	2.5
Manufacturing .....	49.3	14.5	53.0	15.6	53.7	15.8	53.8	15.9
Non-durable .....	37.9	6.3	41.6	6.9	43.1	7.1	43.0	7.2
Durable .....	64.2	8.2	67.8	8.7	67.4	8.6	67.9	8.7
Construction .....	38.5	2.6	40.9	2.8	44.5	3.0	37.7	2.6
Electric power and gas utilities .....	55.5	1.9	61.1	2.0	63.5	2.1	67.3	2.3
Other goods, n.e.c. ...	15.2	.2	16.1	.2	16.8	.2	17.1	.2
Transportation, storage and communication ...	37.9	3.6	39.8	3.8	44.6	4.2	41.4	3.9
Transportation .....	40.4	2.8	43.2	3.0	48.3	3.3	43.4	3.0
Trade .....	31.4	4.8	33.6	5.1	30.0	4.5	33.2	5.0
Wholesale .....	45.2	2.3	43.7	2.3	43.0	2.2	44.7	2.3
Retail .....	24.3	2.4	28.4	2.8	23.1	2.3	27.1	2.7
Finance, insurance and real estate .....	23.8	2.5	26.3	2.8	27.7	2.9	29.9	3.2
Public administration and defence .....	5.1	.3	5.3	.3	6.3	.4	8.4	.5
Community, recreation, business and personal service .....	22.2	2.3	23.6	2.4	24.4	2.5	25.9	2.7

Note: The columns may not add to the total due to rounding.

The above table shows the percentage increases of the major industry groupings and their contributions to the 39.1 per cent advance in non-agricultural real output from its first quarter, 1961, cyclical low. During the 1957-60 and the 1954-56 expansions, non-agricultural real output increased by 10.5 and 23.1 per cent, respectively, as measured from the trough to the peak of the cycle in aggregate production (see Table on page 16). The current expansion has been of considerably longer duration than the preceding two, the third quarter of 1966 being the twenty-second quarter following the 1961 cyclical low. The

current quarter was the first time during the current expansion that non-agricultural real output showed virtually no increase from the level attained in the previous quarter. However, the Index of Industrial Production, which constitutes about 36 per cent of non-agricultural real output, continued to advance in the fourth quarter as indicated by an increase of one per cent for the month of October, with both manufacturing and mining contributing to the gain.

Turning to developments during the first nine months of 1966 as compared with the comparable period in the preceding year, it can be seen from the following table that non-agricultural real output advanced by 6.6 per cent. Although slightly lower than the 7.4 per cent increase indicated by the comparison of the first six months, it is still well above the post-war average annual rate of growth of 4.7 per cent. For instance, if a change of plus or minus one per cent, on a seasonally adjusted basis, is assumed for the fourth quarter of 1966 as compared with the third quarter of 1966, the former change would yield a year over year increase of 5.9 per cent for the year 1966 as a whole, while the latter would yield an annual increase of 5.4 per cent. The following table shows per cent changes in major industry groupings for the first nine months of 1966 as compared with the first nine months of 1965.

	<u>Per cent change</u>
Real Domestic Product, less agriculture .....	6.6
Forestry .....	5.1
Fishing and trapping .....	12.8
Mining .....	6.4
Manufacturing .....	8.2
Non-durable .....	8.0
Durable .....	8.4
Construction .....	7.6
Electric power and gas utilities .....	13.2
Transportation, storage and communication .....	7.5
Transportation .....	7.9
Trade .....	4.5
Wholesale .....	3.6
Retail .....	5.1
Finance, insurance and real estate .....	5.0
Public administration and defence .....	2.0
Community, recreation, business and personal service .....	4.6

Almost 60 per cent of the increase in non-agricultural real output for the first nine months of 1966 came from expansion in the output of the cyclically volatile manufacturing, transportation and trade industries, with increases also recorded by all other major industry groupings. Most industries advanced at rates exceeding their 1946-65 average annual rates of growth. The only exceptions were mining, wholesale trade and public administration and defence.

TABLE 3. Indexes of Real Domestic Product, less Agriculture  
1949=100

	Real domestic product, less agriculture	Forestry	Fishing and trapping	Mining				Manufacturing	
				Total	Metals	Non-metals	Fuels	Total	Non-durable manu- facturing
									Total
1949 Weights ...	89.286	2.108	0.540	3.245	1.925	0.268	0.915	27.340	14.742
	Seasonally adjusted								
1963 - 1 .....	187.0	148.8	122.4	308.4	218.0	265.3	507.7	188.1	189.2
2 .....	189.2	137.8	134.6	318.3	232.8	264.5	507.4	191.8	193.3
3 .....	191.0	149.4	130.0	316.2	223.6	274.5	516.8	194.8	196.6
4 .....	197.0	161.4	121.1	331.7	238.4	287.4	535.8	200.8	200.4
1964 - 1 .....	202.8	161.4	131.1	344.3	249.7	294.8	544.8	207.7	206.6
2 .....	203.1	153.3	115.9	350.1	252.6	309.6	558.8	210.7	210.2
3 .....	205.4	166.4	119.7	341.4	239.1	320.4	553.1	214.0	211.2
4 .....	208.5	156.3	136.9	347.8	236.4	324.9	575.5	216.2	216.7
1965 - 1 .....	213.4	168.6	124.4	359.4	253.9	353.2	570.2	223.0	218.7
2 .....	216.4	174.0	117.1	355.7	240.2	366.3	582.6	226.5	220.3
3 .....	220.7	155.0	116.8	372.8	248.5	384.6	618.2	232.6	226.2
4 .....	225.4	157.3	123.6	375.0	256.0	401.5	601.7	239.1	231.4
1966 - 1 .....	229.8	164.8	119.8	383.4	263.7	421.2	604.2	244.9	237.6
2 .....	231.7	177.3	130.3	394.3	259.9	398.5	660.6	246.0	240.1
3 .....	231.8	163.8	141.9	383.1	237.5	409.1	667.4	246.3	240.0
4 .....									
	Without seasonal adjustment								
1963 .....	191.1	149.4	125.2	318.3	227.5	273.0	516.6	193.9	194.9
1964 .....	204.8	159.3	123.6	346.4	245.7	312.8	557.7	211.9	211.2
1965 .....	219.0	160.4	120.4	365.6	249.5	377.2	592.8	230.1	224.1
1966 .....									
1963 - 1 .....	175.7	123.7	78.0	303.8	203.4	243.3	550.4	183.5	183.1
2 .....	192.1	129.1	136.9	317.6	240.6	271.3	482.4	196.6	195.1
3 .....	195.2	175.8	168.4	322.6	235.5	274.5	496.9	192.6	198.5
4 .....	201.4	169.0	117.5	329.1	230.4	302.9	536.9	203.1	202.7
1964 - 1 .....	191.1	138.5	78.6	337.9	232.9	272.1	591.8	203.3	200.4
2 .....	206.1	135.9	118.3	350.7	264.1	317.4	530.1	215.8	212.1
3 .....	208.7	195.7	168.2	348.8	253.6	319.0	530.6	209.8	213.1
4 .....	213.4	166.9	129.2	348.2	232.2	342.8	578.1	218.7	219.3
1965 - 1 .....	202.3	144.3	74.7	351.5	233.8	326.3	619.9	218.6	212.1
2 .....	219.2	151.5	118.1	356.2	252.4	376.7	551.6	231.8	222.1
3 .....	223.2	184.9	163.7	379.1	261.2	381.9	594.7	227.3	227.3
4 .....	231.1	161.0	125.2	375.6	250.9	423.7	605.0	242.7	234.8
1966 - 1 .....	218.3	145.9	78.6	371.4	238.1	390.0	655.9	240.9	231.4
2 .....	234.5	161.6	124.8	396.5	270.7	409.4	638.7	251.2	241.9
3 .....	234.4	197.7	198.6	388.4	248.4	405.6	643.4	241.0	241.1
4 .....									



TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued  
1949=100

	Manufacturing							
	Non-durable manufacturing							
	Foods and beverages	Tobacco and tobacco products	Rubber products	Leather products	Textiles	Clothing	Paper products	Printing, publishing and allied industries
1949 Weights ...	3.814	0.248	0.430	0.508	1.623	1.801	2.649	1.273
	Seasonally adjusted							
1963 - 1 .....	169.8	232.7	205.2	131.9	177.0	146.1	163.0	190.7
2 .....	171.3	228.5	206.1	131.4	182.8	149.5	168.7	193.0
3 .....	172.7	218.1	206.3	130.2	187.6	151.4	172.0	198.7
4 .....	175.6	221.5	212.3	134.4	196.4	154.3	176.4	198.7
1964 - 1 .....	182.3	214.0	225.7	135.3	197.5	159.9	182.2	202.6
2 .....	184.2	230.2	234.6	138.3	204.3	163.0	184.1	214.1
3 .....	184.7	240.2	229.0	138.7	205.0	164.3	187.4	201.7
4 .....	190.9	241.1	235.3	137.1	206.4	166.8	192.0	209.8
1965 - 1 .....	192.4	241.3	230.2	135.5	211.1	167.0	194.5	216.8
2 .....	189.6	240.8	227.4	132.9	213.5	168.9	196.1	219.2
3 .....	195.2	238.9	234.9	134.9	228.3	172.1	199.9	223.4
4 .....	197.6	248.1	253.3	137.5	229.3	177.2	202.7	233.9
1966 - 1 .....	201.0	267.8	263.0	135.8	232.0	175.8	216.0	238.1
2 .....	204.2	251.9	251.1	138.6	224.7	181.0	218.4	239.6
3 .....	206.2	247.6	254.5	136.3	230.2	176.9	215.9	241.5
4 .....								
	Without seasonal adjustment							
1963 .....	172.2	225.3	207.4	132.1	186.0	150.3	170.1	195.2
1964 .....	185.6	232.1	232.8	137.3	203.3	163.4	186.3	207.4
1965 .....	193.1	243.4	237.4	135.2	220.6	171.2	198.3	223.3
1966 .....								
1963 - 1 .....	145.6	231.2	209.5	141.1	181.3	150.6	158.3	187.8
2 .....	170.9	243.5	218.6	132.5	187.9	146.8	170.2	197.9
3 .....	191.9	204.9	183.6	121.4	173.9	155.2	173.0	191.5
4 .....	180.2	221.7	217.9	133.5	200.7	148.6	178.8	203.8
1964 - 1 .....	158.5	212.1	235.0	144.7	201.8	164.7	176.8	198.8
2 .....	183.3	245.7	250.9	139.1	210.1	160.2	185.2	221.4
3 .....	205.0	228.9	203.1	128.8	189.6	167.7	188.2	194.4
4 .....	195.6	241.7	242.2	136.6	211.5	161.0	194.9	215.2
1965 - 1 .....	166.5	239.3	238.9	144.5	216.1	171.9	189.7	212.3
2 .....	188.1	257.3	243.0	133.4	220.1	165.9	196.8	227.6
3 .....	214.8	228.2	206.3	126.0	211.4	175.2	200.6	213.7
4 .....	203.0	248.9	261.4	137.0	234.9	171.9	206.2	239.7
1966 - 1 .....	175.8	267.8	276.4	144.8	238.9	180.7	210.0	233.4
2 .....	202.4	266.9	267.5	138.8	231.8	177.9	219.0	249.6
3 .....	228.5	233.9	220.2	127.7	213.3	180.4	216.7	229.7
4 .....								

TABLE 3. Indexes of Real Domestic Product, less Agriculture - Continued  
1949=100

	Manufacturing							
	Non-durable manufacturing			Durable manufacturing				
	Products of petroleum and coal	Chemicals and allied products	Miscellaneous manufacturing	Total	Wood products	Iron and steel products	Transportation equipment	Non-ferrous metal products
1949 Weights ....	0.513	1.359	0.524	12.598	2.108	4.026	2.651	1.601
	Seasonally adjusted							
1963 - 1 .....	307.7	273.4	333.5	186.7	163.2	186.9	179.9	157.1
2 .....	310.9	280.6	352.4	190.2	166.4	189.7	182.6	158.3
3 .....	325.8	286.5	359.8	192.7	167.5	190.4	186.2	161.7
4 .....	327.6	290.2	364.9	201.2	171.7	197.0	211.1	162.0
1964 - 1 .....	327.3	306.7	376.5	209.0	175.8	206.7	218.1	168.4
2 .....	329.8	303.6	383.8	211.2	171.4	212.2	215.0	173.9
3 .....	327.7	313.4	391.0	217.4	174.4	216.0	229.5	174.0
4 .....	335.3	328.7	393.9	215.6	175.9	226.5	191.2	180.3
1965 - 1 .....	342.1	326.5	397.0	228.0	177.0	229.6	234.3	182.4
2 .....	344.8	339.9	403.7	233.7	180.1	236.0	243.3	183.8
3 .....	350.6	346.9	411.7	240.1	180.0	243.5	256.2	188.1
4 .....	345.7	364.7	415.9	248.1	190.6	247.6	269.8	192.8
1966 - 1 .....	354.5	375.9	431.9	253.5	186.4	257.2	275.7	194.3
2 .....	377.5	381.0	446.7	252.9	188.2	253.1	265.7	198.4
3 .....	371.0	376.4	455.7	253.7	183.9	252.3	269.6	191.3
4 .....								
	Without seasonal adjustment							
1963 .....	318.0	282.5	353.0	192.9	167.3	191.0	190.2	159.8
1964 .....	330.1	312.7	386.5	212.7	174.3	215.2	210.5	174.2
1965 .....	345.9	344.7	407.3	237.2	181.7	239.1	250.0	186.9
1966 .....								
1963 - 1 .....	312.0	273.8	322.1	183.9	163.8	180.9	190.8	156.9
2 .....	297.1	292.5	344.7	198.3	167.5	196.2	211.3	159.6
3 .....	332.5	277.0	365.8	185.8	176.2	191.6	138.2	158.7
4 .....	330.5	286.8	379.4	203.5	161.6	195.5	220.7	164.0
1964 - 1 .....	333.3	305.9	363.3	206.7	177.1	199.9	233.6	168.3
2 .....	314.0	314.9	375.2	220.1	171.3	219.6	248.1	175.5
3 .....	333.9	304.5	398.8	206.0	182.5	216.1	161.9	170.2
4 .....	339.1	325.4	408.7	217.9	166.4	225.1	198.2	182.7
1965 - 1 .....	349.4	326.1	382.6	226.2	178.5	222.3	254.7	182.5
2 .....	327.5	352.2	394.6	243.2	179.9	244.0	278.7	185.7
3 .....	356.3	336.0	420.7	227.4	187.9	243.3	184.3	183.5
4 .....	350.2	364.5	431.3	251.9	180.6	246.6	282.3	195.8
1966 - 1 .....	362.4	376.2	416.0	252.0	188.4	249.0	300.1	194.9
2 .....	357.9	394.0	436.4	262.1	188.3	260.1	300.9	200.2
3 .....	378.3	360.5	466.3	240.9	190.2	252.0	201.4	186.1
4 .....								





TABLE 3. Indexes of Real Domestic Product, less Agriculture - Concluded  
1949=100

	Trade	Finance, in- surance and real estate	Public adminis- tration and defence	Com- munity, recre- ation, business and personal service	Special Industry Indexes				
	Retail				Goods less agri- culture	Service- pro- ducing indus- tries(2)	Commercial indus- tries, less agri- culture	Non- com- mercial indus- tries(3)	Index of In- dustrial Pro- duction
1949 Weight ....	9.567	9.127	4.666	10.202	42.366	46.920	81.015	8.271	32.231
Seasonally adjusted									
1963 - 1 .....	165.4	190.1	186.6	162.7	197.4	177.6	186.9	187.5	208.5
2 .....	166.7	192.9	187.7	164.4	201.0	178.6	189.2	189.4	213.2
3 .....	168.2	195.9	189.2	165.6	203.0	180.1	191.0	191.2	216.2
4 .....	173.3	198.9	189.2	167.0	210.7	184.7	197.5	192.3	223.4
1964 - 1 .....	176.7	200.6	190.3	168.4	218.8	188.3	203.7	193.9	230.8
2 .....	174.8	201.6	190.0	170.2	219.0	188.8	204.0	194.9	234.4
3 .....	177.8	203.7	189.3	171.9	222.0	190.4	206.4	195.5	237.0
4 .....	179.2	206.4	189.5	173.3	226.3	192.4	209.7	196.1	240.0
1965 - 1 .....	180.6	208.1	190.4	175.0	233.2	195.5	215.0	197.1	247.5
2 .....	186.0	211.4	189.9	178.0	236.0	198.7	218.3	197.7	250.2
3 .....	189.6	213.4	190.6	180.0	241.4	201.9	222.9	199.1	257.8
4 .....	192.6	214.3	191.8	182.1	248.1	204.9	227.9	200.5	264.7
1966 - 1 .....	199.0	218.7	192.1	184.2	254.1	207.9	232.7	202.0	271.4
2 .....	190.8	221.1	194.0	185.3	257.6	208.4	234.6	204.1	273.8
3 .....	197.0	224.8	197.8	187.6	255.2	210.6	234.3	207.2	273.5
4 .....									
Without seasonal adjustment									
1963 .....	168.8	194.5	188.1	165.0	202.9	180.4	191.2	190.1	215.3
1964 .....	176.8	203.0	189.8	171.0	221.4	189.9	205.8	195.1	235.3
1965 .....	187.5	211.9	190.7	178.8	239.4	200.5	221.0	198.6	254.9
1966 .....									
1963 - 1 .....	143.6	186.5	181.0	158.3	184.6	167.6	174.8	184.1	206.5
2 .....	171.4	194.4	188.0	164.4	203.5	181.8	192.3	189.7	216.6
3 .....	164.5	199.3	196.0	170.0	208.7	182.9	195.1	195.4	212.5
4 .....	195.6	197.7	187.5	167.1	214.9	189.1	202.4	191.1	225.8
1964 - 1 .....	153.1	196.9	183.8	164.1	205.3	178.2	191.2	189.8	228.9
2 .....	179.1	202.8	190.3	170.3	221.9	191.8	207.2	195.2	238.2
3 .....	172.5	206.9	197.1	176.3	226.7	192.5	209.6	200.2	231.3
4 .....	202.5	205.2	187.9	173.5	231.5	197.1	215.3	195.1	243.0
1965 - 1 .....	157.2	204.4	183.7	170.5	220.8	185.7	203.3	192.9	245.9
2 .....	190.6	212.5	190.6	178.1	237.9	202.3	221.3	198.3	254.0
3 .....	183.8	216.7	198.6	184.5	244.7	203.7	225.1	204.0	250.7
4 .....	218.2	214.0	189.8	182.1	254.4	210.1	234.4	199.2	268.9
1966 - 1 .....	172.6	214.7	185.7	179.3	242.0	196.9	220.4	197.9	270.0
2 .....	194.7	222.5	194.4	185.6	259.8	211.5	237.5	204.4	277.5
3 .....	191.6	228.3	204.6	192.3	258.3	212.8	236.7	211.6	266.0
4 .....									

(2) Includes transportation, storage and communication; trade; finance, insurance and real estate; public administration and defence; community, recreation, business and personal service.

(3) Includes public administration and defence; hospitals; education; welfare, religion and other community service, n.e.c. and domestic service.



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Per cent changes in major industry groupings  
over recent cycles in production

	Peak to peak			Trough to peak		
	3Q'53 - 4Q'56	4Q'56 - 1Q'60	1Q'60 - IIIQ'66	2Q'54 - 4Q'56	4Q'57 - 1Q'60	1Q'61 - IIIQ'66
Real domestic product less						
agriculture .....	21.4	9.0	38.2	23.1	10.5	39.1
Forestry .....	19.0	1.3	13.4	17.9	33.7	27.1
Fishing and trapping .....	1.8	- 18.4	63.9	3.9	- 7.4	-
Mining .....	55.5	24.7	34.8	48.6	16.2	42.2
Manufacturing .....	20.1	6.1	49.7	24.4	12.8	53.8
Non-durable .....	19.3	12.9	43.9	19.4	14.6	43.0
Durable .....	21.1	- 1.2	56.8	30.1	10.9	67.9
Construction .....	27.8	- 0.9	29.9	34.0	- 3.9	37.7
Electric power and gas						
utilities .....	44.4	38.1	73.3	33.9	28.9	67.3
Other goods industries, n.e.c.	9.7	- 4.1	17.0	21.2	1.5	17.1
Transportation, storage and						
communication .....	26.4	7.9	44.6	34.6	9.7	41.4
Transportation .....	25.7	4.7	45.9	40.1	9.0	43.4
Trade .....	20.7	6.9	31.2	24.5	9.7	33.2
Wholesale .....	20.8	11.0	34.7	31.9	16.8	44.7
Retail .....	20.6	4.7	29.2	20.8	6.1	27.1
Finance, insurance and real						
estate .....	16.9	15.5	34.4	12.0	9.6	29.9
Public administration and						
defence .....	10.4	9.1	13.4	7.0	5.1	8.4
Community, recreation, business						
and personal service .....	12.0	12.2	28.8	10.6	11.1	25.9