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NEW PARADIGM TO ANALYZE

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WITH SPECIAL REFERENCE TO CANADA

BY

P.S.K. MURTY INPUT-OUTPUT DIVISION STATISTICS CANADA OTTAWA, ONTARIO K1A OT6 CANADA

Prepared for presentation at the Second Annual Convention, Congress of Political Economists (COPE) International to be held January 9-12, 1991 at the Boston Park Plaza Hotel, Boston, MA. The views expressed in this paper are those of the author and not necessarily those of Statistics Canada.



Mr. 1089605

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P.S.K. MURTY
INPUT-OUTPUT DIVISION
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K1A 0T6
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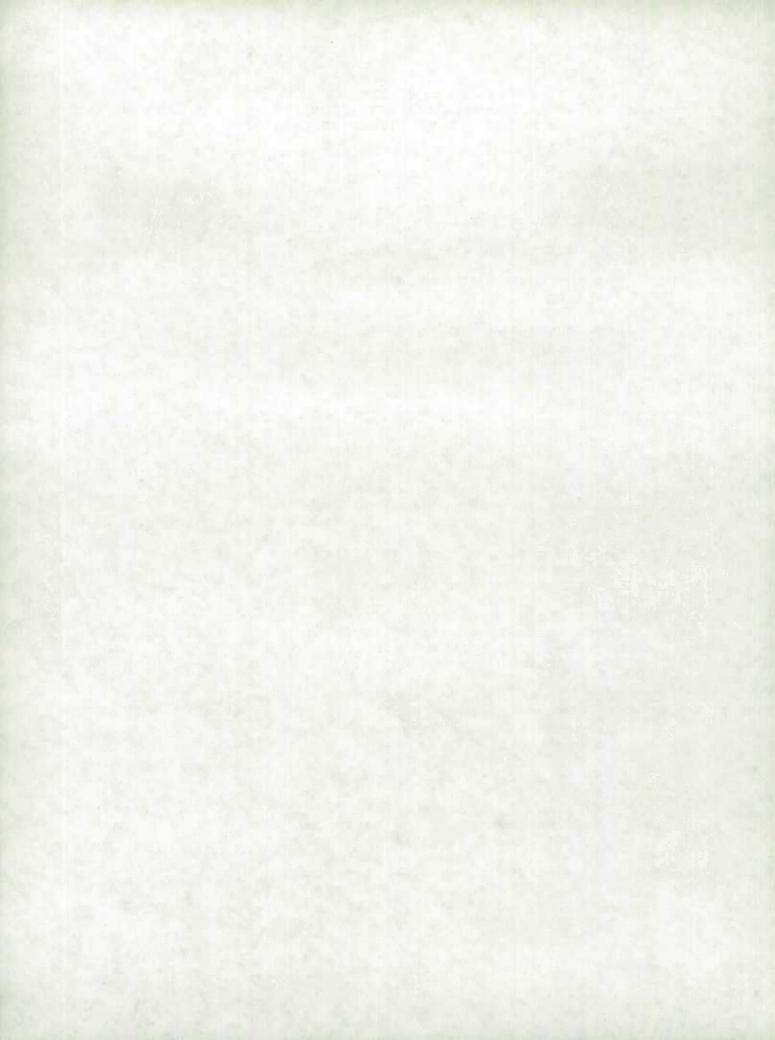
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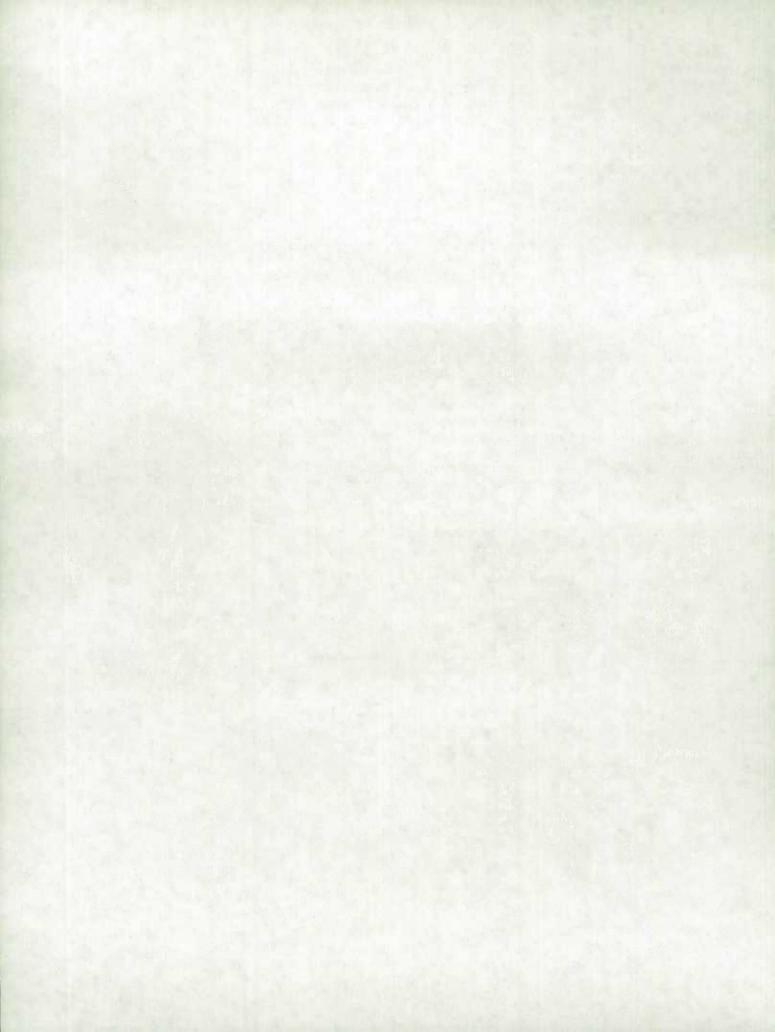
### NEW PARADIGM TO ANALYZE GOVERNMENT TRANSFER PAYMENTS WITH SPECIAL REFERENCE TO CANADA

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## NEW PARADIGM TO ANALYZE GOVERNMENT TRANSFER PAYMENTS WITH SPECIAL REFERENCE TO CANADA

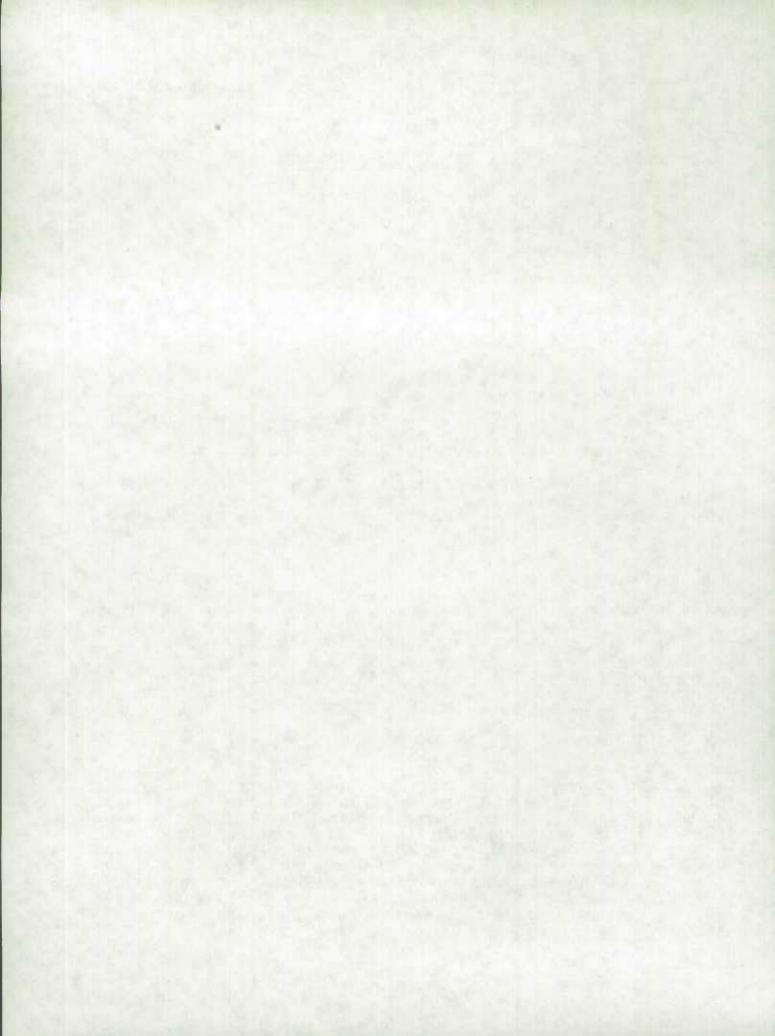
BY

P.S.K. MURTY

#### I Introduction

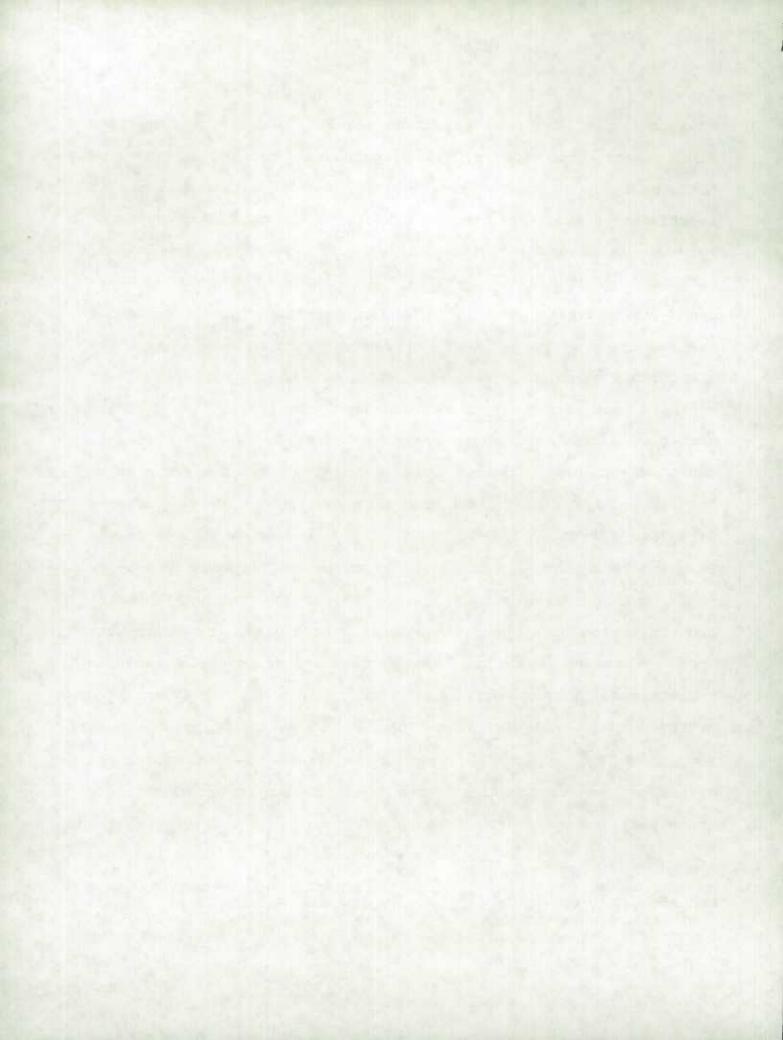
In recent years, government spending, budget deficits and public debt have been receiving widespread attention, both in Canada and the U.S.A. In fact, it is not inappropriate to say that it is one of the universal phenomenon, because several countries in the world have been faced with similar problem of deficit-financing due to increased government spending without proportionately matching revenues. This phenomenon might have been due to two main reasons: (1) persistent application of Keynesian remedy of increased government spending to shore up aggregate income and to stimulate consumption of other sectors in the economy; (2) increased demand for government services such as public

<sup>\*</sup>P.S.K. Murty is the Chief of Public Sector, Input-Output Division of Statistics Canada which is the central statistical agency in Canada. The views expressed in this paper are those of the author and not necessarily those of Statistics Canada. The author thanks Louis David, David LeBlanc, Bea Sequin, and Gordon Johnston for their contribution. This paper draws heavily on the paper entitled "Government Expenditures on Goods and Services and Tranfer Payments in Canada, 1961-1985, by P.S.K. Murty and Yusuf Siddiqi presented at American Economics Association meetings in Atlanta, December 1989.



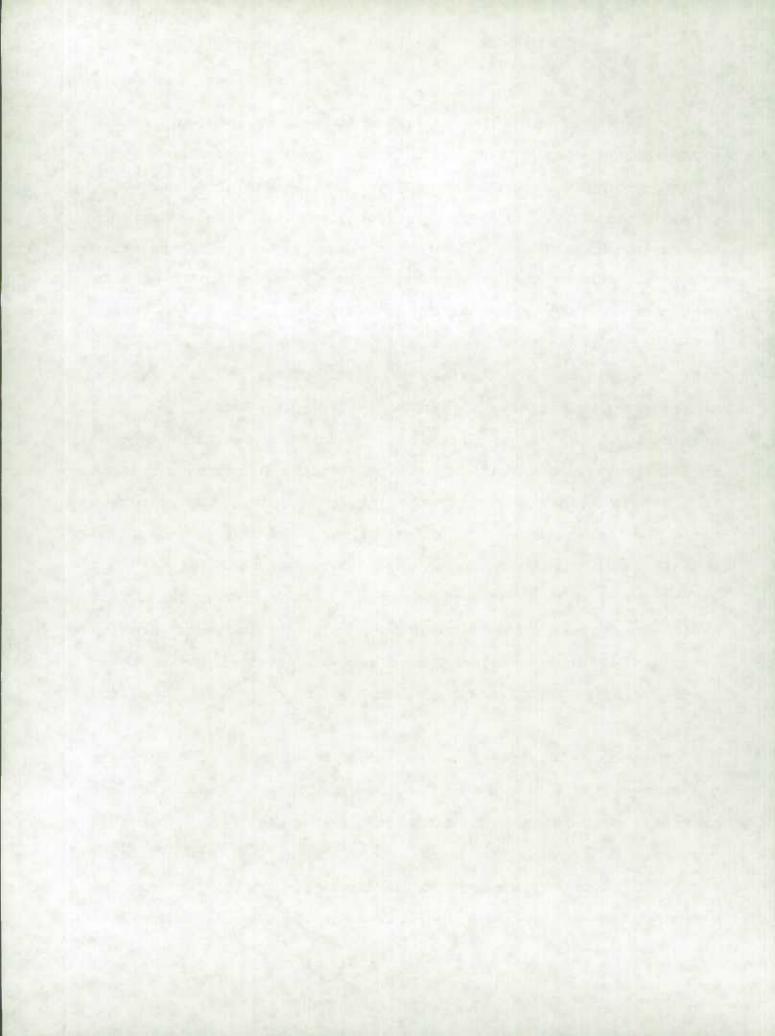
administration, defence, education, health, public works and the like, all of which require funds to purchase goods and services for their delivery to the society. In this context, it is relevant to recall from the literature what exactly is the role of government, so that government transfer payments can be better evaluated. Professor Kenneth Boulding wrote: "the functions of government.... can be divided fairly simply into the provision of public goods and the reduction of public bads through taxes, public purchases and grants." Public goods, says Boulding, are those that will not be supplied adequately through a system of markets and private property, simply because they cannot be appropriated. Highways, public health system, water supplies and utilities are examples of "public goods", while crime, arms race, pollution, and poverty are examples of "public bads". Thus, the government's role involves two main functions: (1) purchases of goods and services to provide public goods and to reduce public bads in the society; and (2) redistribution of income by grants. This division of government spending between public purchases to deliver services and grants to redistribute income is consistent with the internationally accepted macro-economic analytical framework called the System of National Accounts (SNA). In that System, a similar sub-division of government spending into two broad categories is recommended to articulate: (a) expenditure on goods and services and (b) transfer

<sup>&</sup>lt;sup>1</sup>Kenneth E. Boulding, "The Role of Government in a Free Economy", Review of Social Economy, December 1982, Volume 3, P. 420. Also, see Janos Horvath, "On the Evaluation of International Grants Policy", Public Finance, 1971, 26 (2), P. 379-393.



payments. The expenditure on goods and services represents a twoway exchange between transactors of the economy in which there is a "quid pro quo" and transfer payments involve unilateral transfer in which there is no guid pro guo. Normally, when spending exceeds the revenues, more attention is focused on the transfer payments category, because the government does not receive anything back from the recipients of those transfer payments. category, "expenditure on goods and services", also receives attention, but usually it stands a better chance of justification as the government receives something back in the form of goods and services. Therefore, in times of budget deficits, governments tend to look for ways and means of cutting programs in order to balance the budgets. In such times, the income redistribution programs contained in government transfer payments are relatively more vulnerable to cuts rather than expenditure on goods and services which have an element of quid pro quo. In such an event, the poor and the needy people to which the transfer payments are made may be at a serious disadvantage and the means of maintaining economic justice can, in that context, be threatened.

This paper discusses a new paradigm to analyze government transfer payments to persons, so that a database, which reflects the real world rather than a presumed world based on an outdated classification system, can be developed. Such a new database would promote an objective analysis of the income redistribution programs contained in the government transfer payments published in the

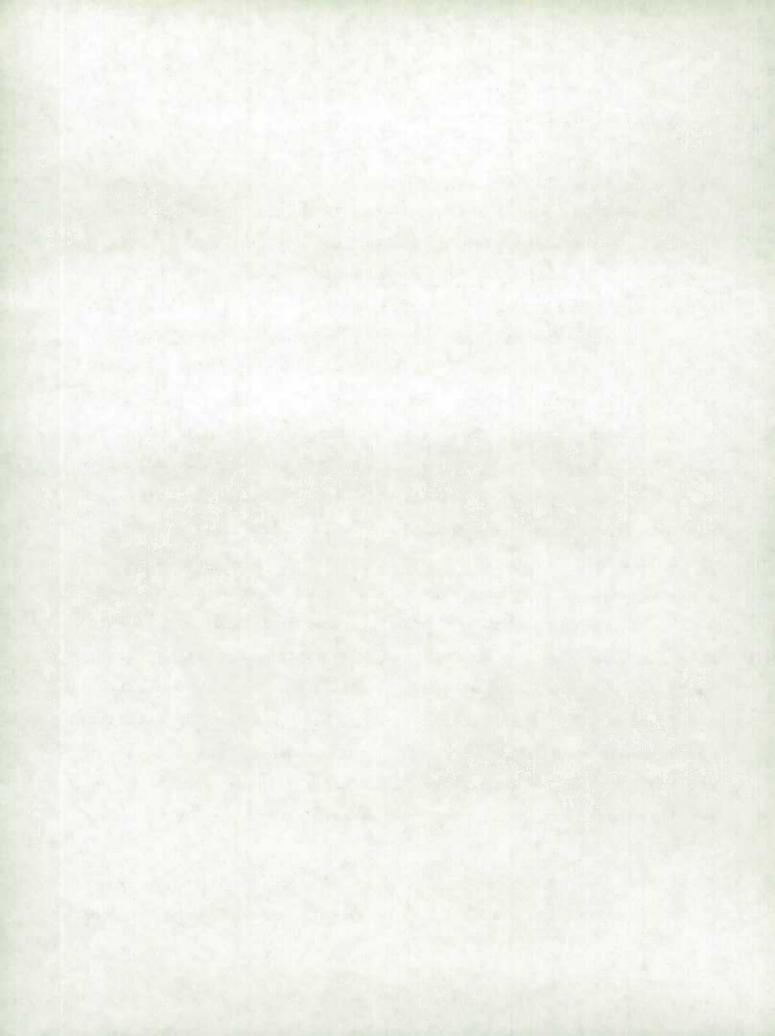


present official publications.

#### II Government Transfer payments

Government transfer payments fall in the area of Grants Economics and the new paradigm deals with the concepts of Grants Economics. According to Grants Economics concepts, a grant is "simply a one-way transfer of exchangeables, which in an accounting sense increases the net worth of the recipient and diminishes the net worth of the grantor". 2 As the government transfer payments are "grants" by definition, the concept of "grants" has been applied to the items of the existing database of transfer payments published in the Canadian National Income and Expenditure Accounts. It is noticed that such an analysis and filtering of transfer payments through "grants economics concepts" disqualified several items to be part of those "transfer payments" as discussed later. Therefore, it is felt that the existing published structure needs modifications to make it analytically meaningful and conceptually relevant. In these circumstances, a new structure using grants economics concepts with a revised classification system has been developed. The presentation which follows gives a detailed description of the existing framework, its reclassification of the items of transfer payments, and the resulting new structure. One of the main objectives of this new

<sup>&</sup>lt;sup>2</sup>Kenneth E. Boulding, Martin Pfaff, Janos Horvath, "Grants Economics. A Simple Introduction" <u>American Economist</u>, Spring 1972, P.20. Also, see Janos Horvath, "Rural America and the Grants Economy", <u>American Journal of Agricultural Economics</u>, December 1971, 53 (5), P. 740.



structure is to provide a database based on actual transactions which would meet with the criteria of "grants", so that the new database would contain only the legitimate grants in the transfer payments category for an objective analysis.

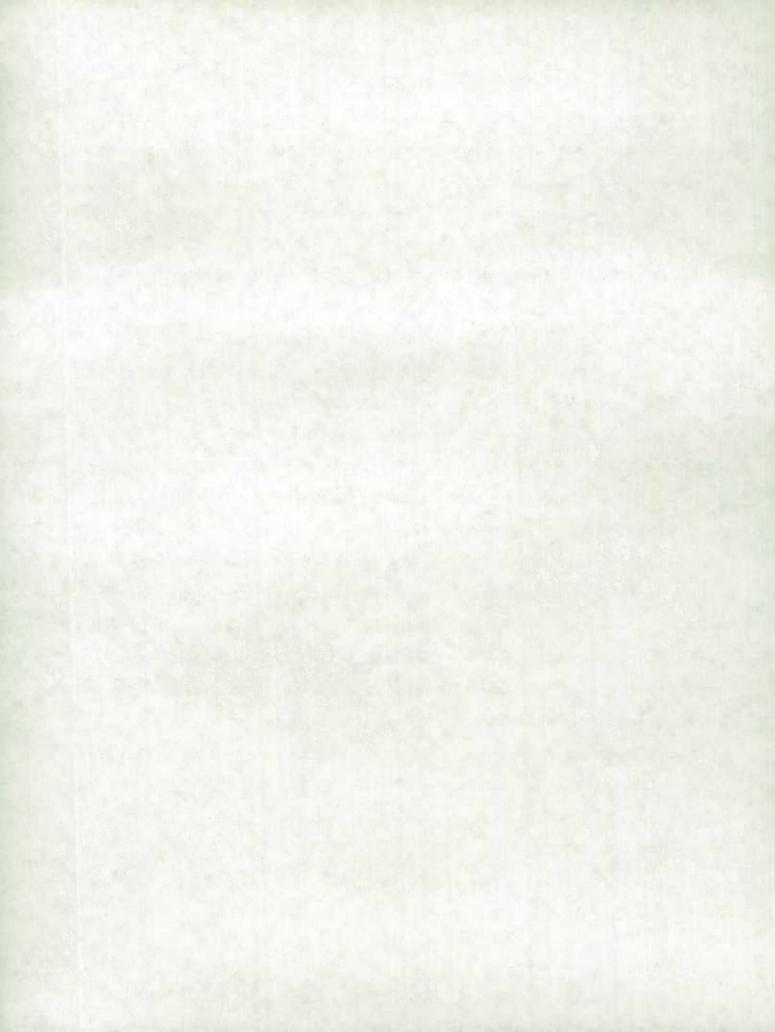
#### III Present Structure of Government Transfer Payments

#### 1. <u>United Nations</u> SNA (1968)

According to the present internationally accepted macroeconomic structure, (namely, United Nations Manual, A System of
National Accounts), the Income and Outlay Account of the General
Government is expected to show separate data for expenditure on
goods and services as well as current transfers to other sectors of
the economy. The category of current transfers is supposed to
include all unrequited transfers. These transfers are supposed
to be sub-divided into those made to the non-resident sector and
those made to the resident sectors. By following the Guidelines of
the U.N. Manual, the countries are free to develop their own
detailed structure. As is the case with many countries, Canada
developed its own System of National Accounts (CSNA) within these
U.N. guidelines and from here on, I will make reference to the
Canadian SNA (CSNA) and the analytical structure that is available
there for the new paradigm.

<sup>&</sup>lt;sup>3</sup>United Nations, <u>A System of National Accounts</u>, Studies in Methods, Series F No. 2, Rev. 3, New York, 1968, Table C, Account 3, General Government, P. 161.

<sup>&</sup>lt;sup>4</sup>Ibid, PP. 127-129.



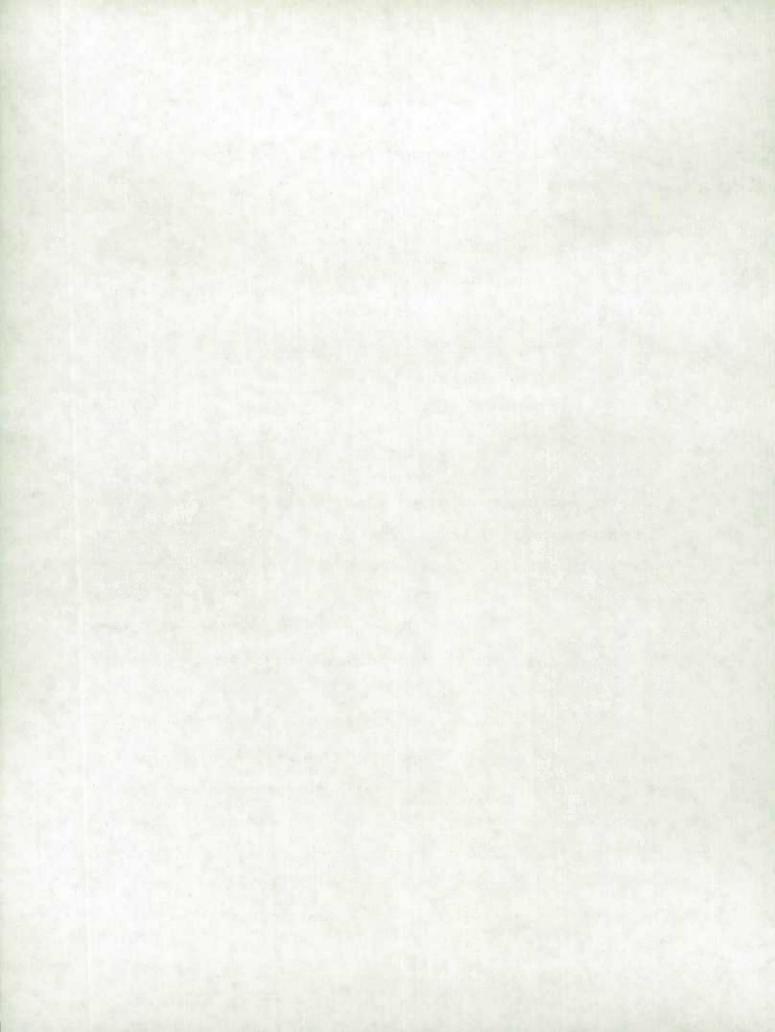
#### 2. Canadian SNA

In the Canadian SNA, government transfer payments are shown in four parts:

- (i) to personal sector
- (ii) to business sector
  - subsidies
  - capital assistance
- (iii) to non-residents
- (iv) interest on the public debt
- (v) current transfers from one level of government to the other.

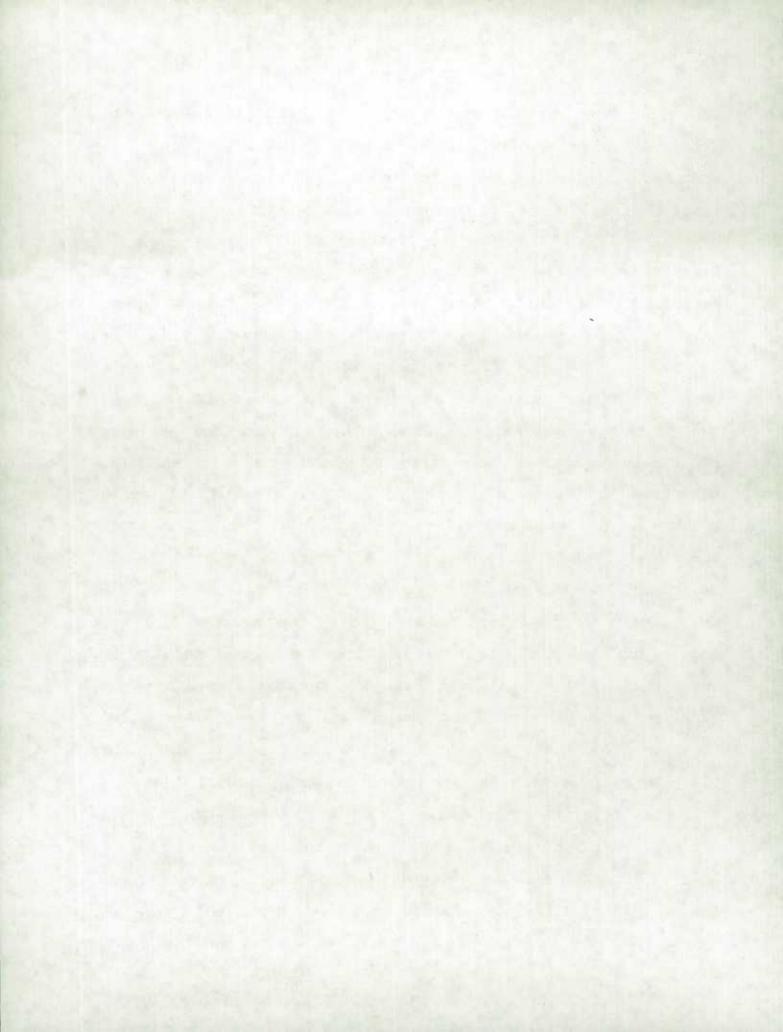
As the last item of transfer payments represents inter-governmental transfers which appears in both donor and recipient sub-sectors, it is eliminated in the consolidated accounts of the total government sector to avoid duplication. Therefore, the analysis of transfer payments covers only four categories. The total government spending as per the consolidated accounts is shown in Appendix VIII.

For this study, all the items classified to transfer payments to persons (Appendix I) have been examined. By definition, these items should have no element of <u>quid pro quo</u>. However, when the concepts of grants economics are applied to those items, some of them did not meet with the criteria established for "grants". It was also noticed that some other items constituted disbursements



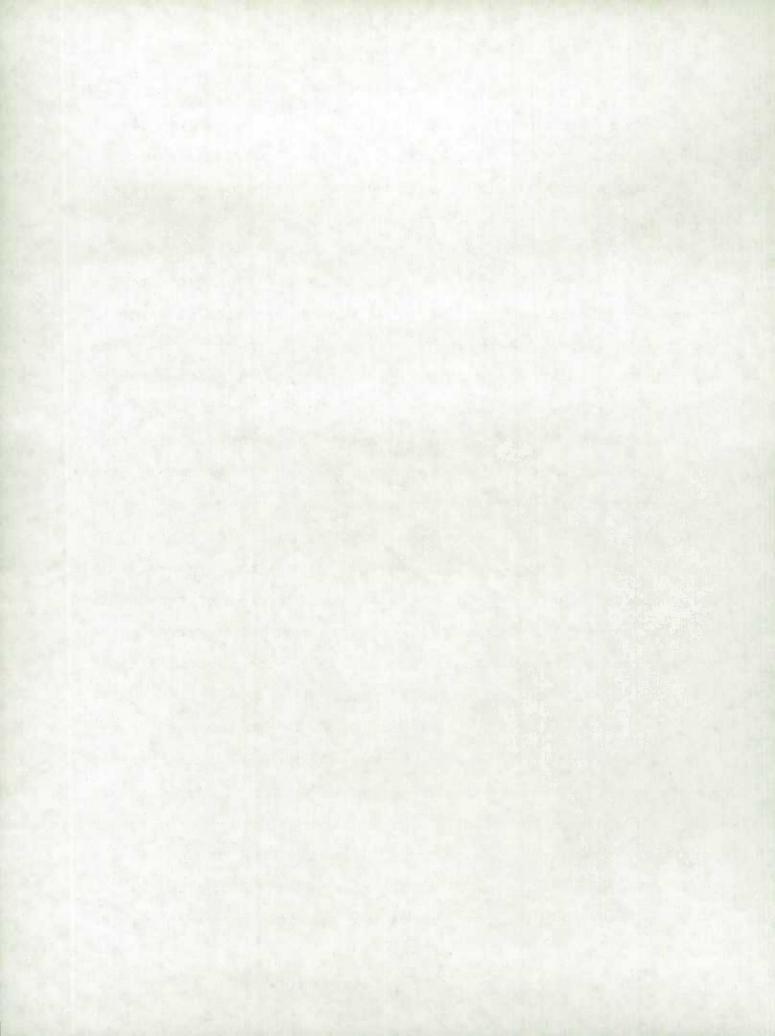
from the funds contributed by the recipients themselves, but deferred for payment to a later date. In addition, some other items constituted indirect purchase of goods and services through third parties for delivery of public services to the society.

Let me explain what these transactions are. As shown in Appendix II, the transfer payments to the personal sector include payments such as pension payments for past service, Canada and Quebec pension payments, old age security payments, workers' compensation payments, and unemployment insurance benefits. These are contributory plans to which both employees and employers contribute a certain proportion of wages and salaries. employers' contributions are quid pro quo expenditures of the government as they are merely "deferred payments" to employees for their services. As such, they are already treated in the Government Accounts as well as in the CSNA as supplementary labour income payments in the year during which the contributions were Employees, on the other hand, are contributing with the understanding that they will get back the funds when they are qualified to receive them. For example, when the employees retire, they expect to get back pensions from the funds to which they contributed, whether the government kept "in trust" the funds collected from the contributions or whether they spent them. effect, then, the contributions in these cases are intended to be held in "trust funds" until the contributors qualify for payment. The government transfer payments out of these "trust funds" are



return of funds received for the purpose merely the disbursements at the appropriate time. In this sense, the contributions are similar to bank deposits while the payments are synonymous to withdrawals. When we deposit money in a bank account and then withdraw it, the withdrawal cannot be considered a transfer or grant. By giving a label of transfer payments to the government payments out of the "trust funds", transfer payments to the personal sector are over-estimated. Therefore, both the contributions and investment income thereof (which are currently included in government revenues) and the repayments (which are currently included in transfer payments) should be excluded from the government sector's current operations accounts reclassified to the status of "trust fund" transactions. Following this procedure would eliminate the payments for pensions, unemployment insurance, Canada and Quebec pensions, and worker's compensation benefits from the present category of government transfer payments to persons. The amounts involved in these cases are substantial, about \$32 billion or 43% of the published total transfer payments to persons of \$76 billion in 1989. (Appendix V)

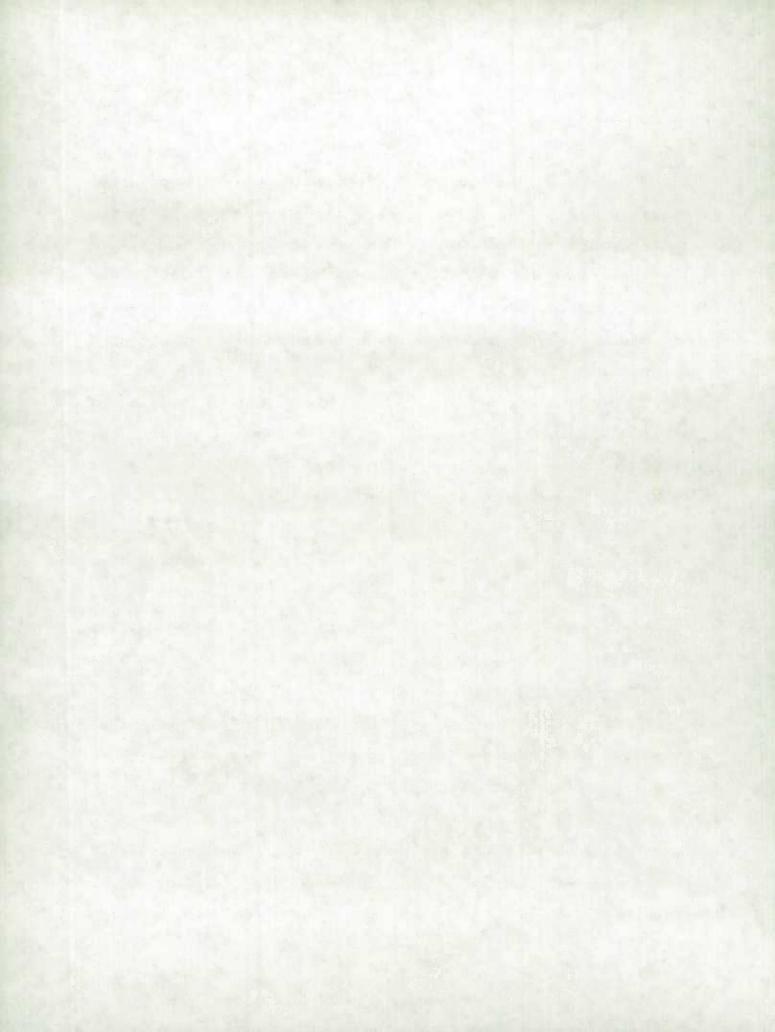
In addition to these payments, there are also transfer payments to universities, post-secondary educational institutions, and other non-profit organizations including Indian Bands, which contain an element of <u>quid pro quo</u>. (Appendix III) The purpose of such transfer payments is to enable these institutions to finance their operations in order to deliver specific services to the



personal sector.

In these cases, the government, instead of delivering specific services to the public directly, are choosing to provide those services through third parties. The funds given for the delivery of those services should not be regarded as grants under Grants Economics concepts. Though the services are not delivered directly by government, an exchange takes place and the element of quid pro quo is present between the donor and the recipient. Therefore, the transfer payments to those institutions should not be included in "grants", but should be regarded as government expenditure on goods and services. The amounts involved are about \$13 billion or 17% of the published transfer payments to persons in 1989. (Appendix V)

After removing the items falling into the two categories just described namely, payments out of "trust funds" -- (Appendix II), and payments that have the element of <u>quid pro quo</u> (Appendix III), the items that are qualified to be left in transfer payments or grants category are derived (Appendix IV). They include: family and youth allowances; old age security payments; scholarships and fellowships; adult occupational training payments; assistance to immigrants and farmers; international assistance; payments to the blind and disabled persons and the like. These grants amounted to about \$30 billion or 40% of the published total transfer payments to persons in 1989 (Appendix V). This means, the remaining 60% of the published total did not belong to the grants category in 1989.



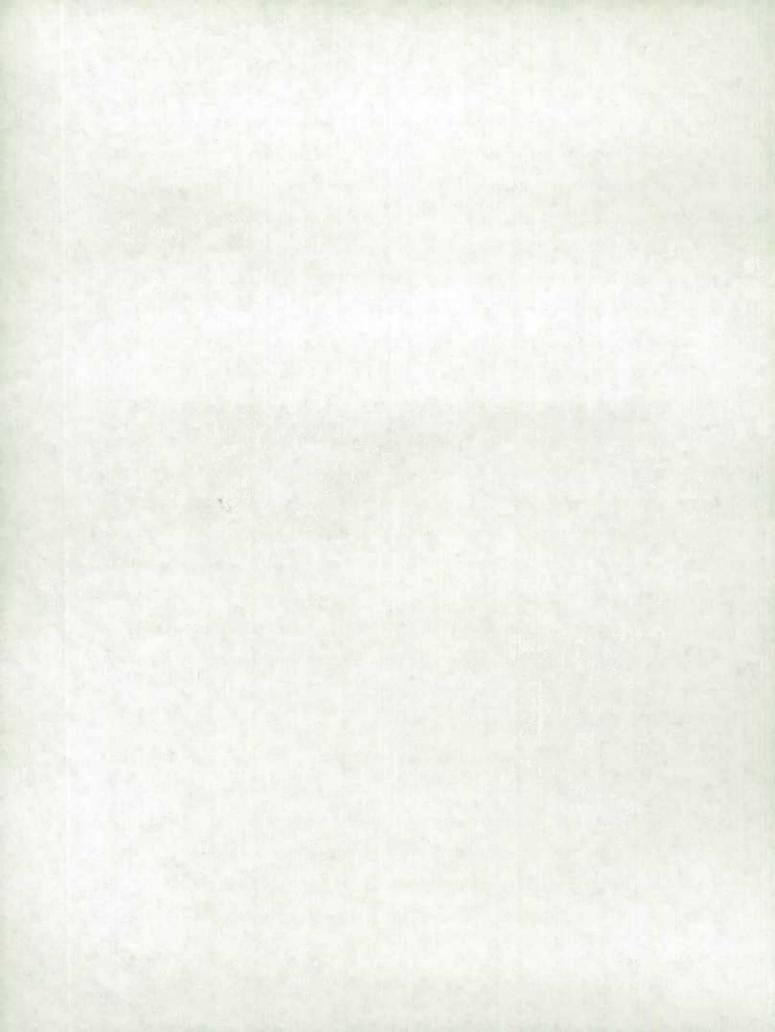
The content analysis of the published transfer payments to persons is summarized in Appendix V for 1961-1989 period. The trust fund type payments which were about 33% of the total in 1961 rose to 43% in 1989. The <u>quid pro quo</u> - indirect payments which were 11% in 1961 also rose to 17% in 1989. However, grants which were 55% in 1961 declined substantially to 40% in 1989. This shows that the apparent growth in the published figures of transfer payments to persons was in the items which did not belong to grants category.

#### IV New Structure of Government Transfer Payments to Persons

It appears from the analysis presented thus far that due to the lack of conceptually accurate classification, some items, which have no apparent <u>quid pro quo</u>, are thrown into one catch-all category of "transfer payments" in the existing structure. The new paradigm suggested here rectified the deficiency and reclassified the items into three types:

- (1) Transfer payments which meet with the definition of grants in the Grants Economics literature. (i.e. no quid pro quo)
- (2) Payments which are similar to "trust fund" withdrawals.
- (3) Payments which have an element of guid pro guo indirect.

In addition, governments have a tendency to show net expenditure in their official <u>Public Accounts</u>. By "net", I mean, gross expenditure <u>offset</u> by revenue or would-be revenue. For example, in Canada, low-income families are allowed to deduct child



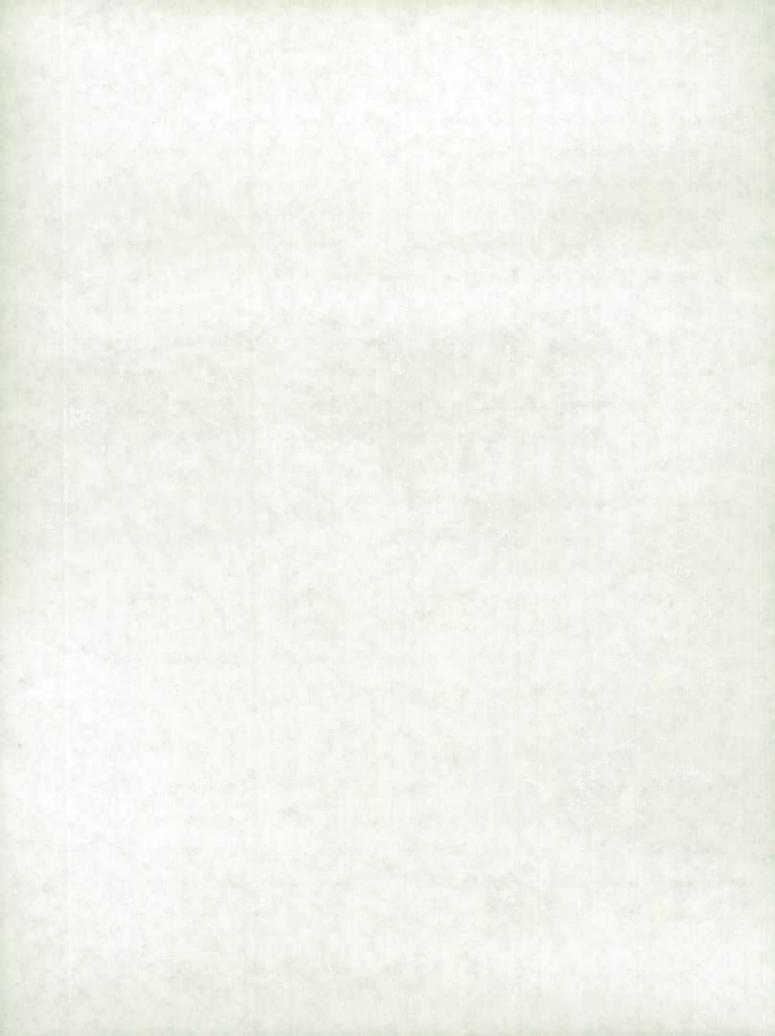
tax credits and sales tax credits from their income taxes. So, the transfer payments to persons will be understated in these cases as they do not appear in that category. Income taxes will also be understated to the extent of these credits. In fact, both income taxes and transfer payments to persons should be grossed-up to the extent of those credits. Therefore, there should be an additional item called "Grants offset from income taxes", which should be added to "transfer payments to persons". As data in this regard are not readily available, further research is needed to develop the necessary statistical information. Therefore, while the item is recognized for the new paradigm, the analysis is deferred until the required database is developed for these credits which are similar to transfer payments to persons.

#### V Analysis of Database

First, the data as published in the existing official National Income and Expenditure Accounts are analyzed. Then, analysis of the reclassified data developed in this study is presented under the heading "Reclassified data base".

#### (i) National Accounts Basis

In Canada, the total government spending was about \$12 billion in 1961. Of this, about \$8 billion or 64% was expenditure on goods and services, and the remainder of \$4 billion or 36% was transfer payments including interest on public debt (Appendix VIII; Tables Q1 and Q2).



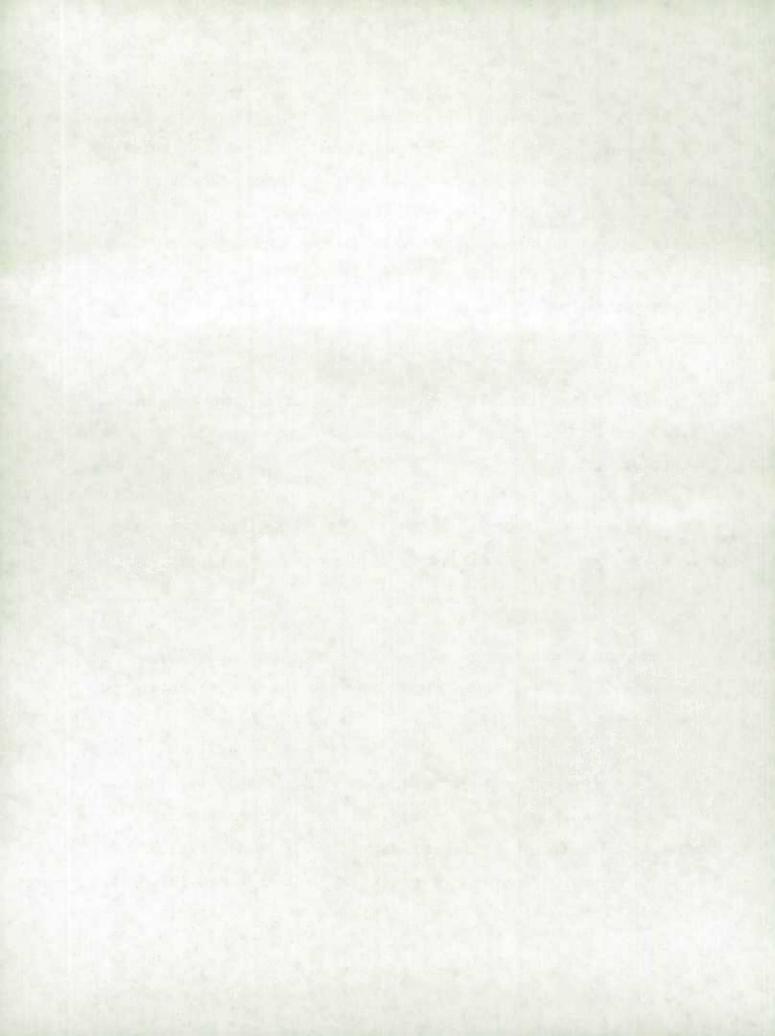
By 1989, the total spending rose to about \$286 billion (a 24-fold increase). Of this, the expenditure on goods and services increased to \$137 billion (a 17-fold rise). However, the proportion of expenditure on goods and services to total spending declined from 64% in 1961 to 48% in 1989. While the capital expenditures dropped from 14% of total spending in 1961 to 5% in 1989, the current expenditures declined from 51% in 1961 to 42% in 1989. (Table Q2)

However, the transfer payments including interest on the public debt which were 36% of total spending in 1961 rose to 52% in 1989 (Table Q2).

Of the total transfer payments, the personal sector's share was the largest. But the figure has declined, from about 63% in 1961 to 50% in 1989.

Interest on the public debt -- the second largest component of transfer payments -- increased its share of the total from about 27% in 1961 to 38% in 1989.

The business sector's share of transfer payments also increased from about 8% in 1961 to 9% in 1989. Transfers to the business sector are of two types: subsidies and capital assistance. Subsidies remained the same at 8% in 1961 and 1989, while capital assistance increased from about 1% in 1961 to 2% in 1989.

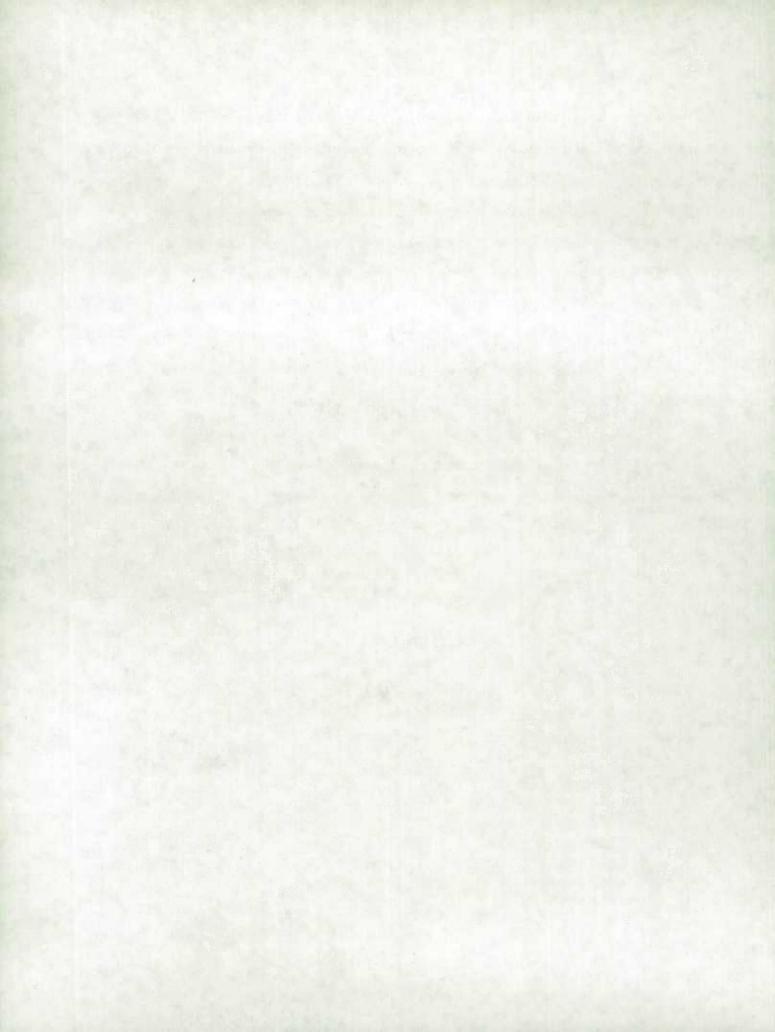


Calculating transfer payments as a percentage of GDP gives us a different picture. The total transfer payments including interest on the public debt were about 11% of GDP in 1961 and rose to 23% by 1989. Transfers to personal sector rose from about 7% in 1961 to 12% in 1989, while payments to the business sector more than doubled, from about 1% to 2%; interest on the public debt, on the other hand, tripled from about 3% to 9%.

The expenditures on goods and services as a percentage of GDP showed only a modest increase from 19% in 1961 to 21% in 1989.

In order to give a better perspective of increase in the government transfer payments, a few relevant points on the total government spending are given below:

	Nat	cional Accounts Basis	Reclassified Data Basis
	Increase	from 1961 to 1989	
1.	Total government spending	23-fold	22-fold
2.	Of which: (i) Goods and Services	17-fold	18-fold
	(ii) Total transfer Payments including interest on the public debt	34-fold	33-fold
	<ul><li>to persons</li><li>to business</li><li>to non-residents</li><li>interest on public debt</li></ul>	28-fold 38-fold 30-fold 49-fold	20-fold 38-fold 36-fold 49-fold



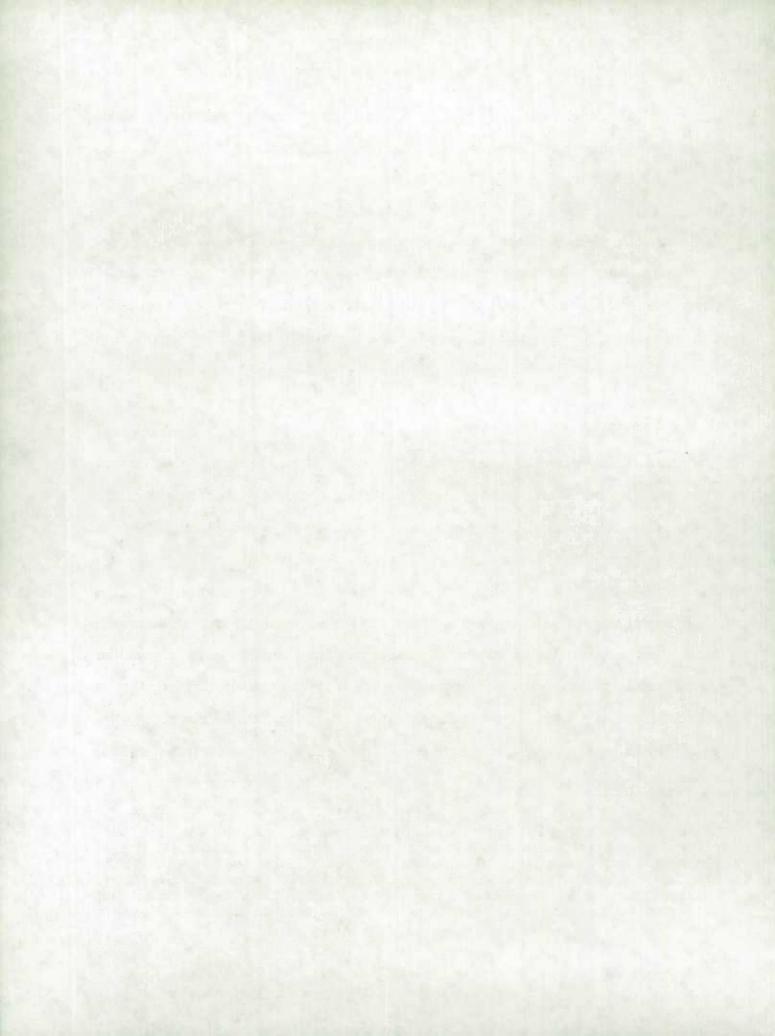
It can be observed from these data, that the transfer payments to persons show much smaller increase in the reclassified database.

#### (ii) Reclassified Data Basis

Government transfer payments to the personal sector include payments such as pensions for past service, old age security pensions, workers' compensation, family and youth allowances<sup>5</sup>, unemployment insurance benefits, grants to post-secondary educational institutions and other non-profit institutions.

Both employees and employers contribute to unemployment insurance, workers' compensation, Canada Pension Plan and Quebec Provincial Pension Plan, and public service pensions. The employers' contributions to these plans were already treated as quid pro quo expenditures for services rendered in the years when the contributions were made. They were included in the supplementary labour income of the employees. Both employees' and employers' contributions were also treated as payments to the government sector by the personal sector to be held in "trust funds" until the contributors qualify for repayment. The repayments when made out of those funds (i.e. which can be called

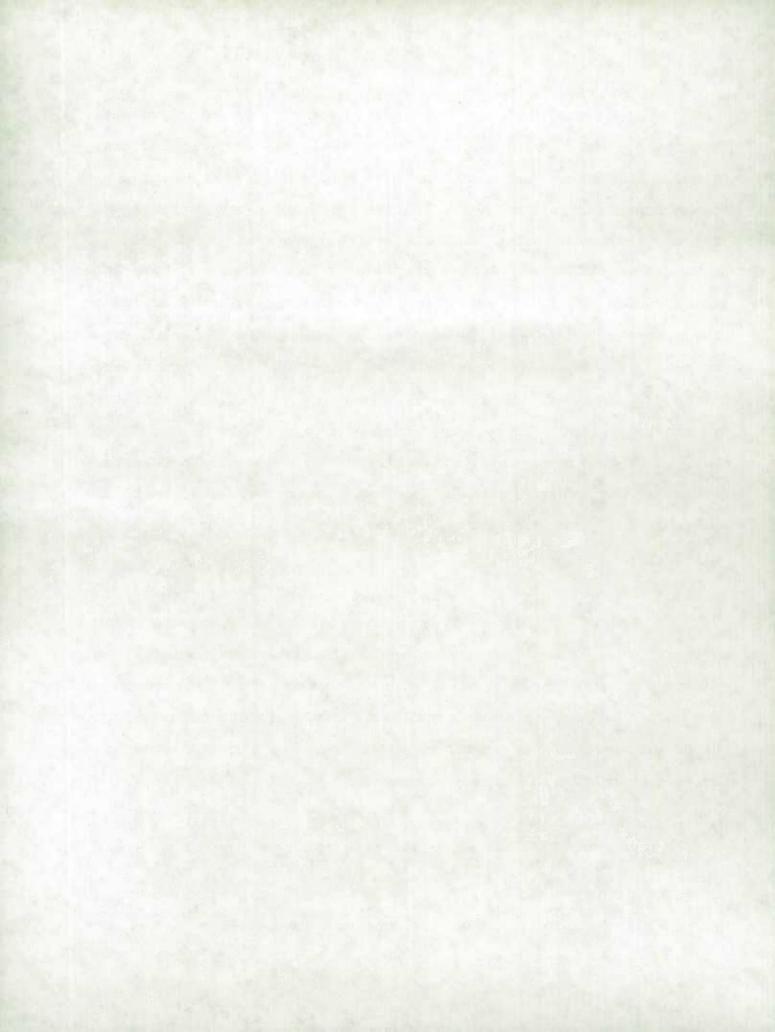
<sup>&</sup>lt;sup>5</sup>The old-age security pension has been in effect since 1952. It provides monthly benefits to all persons aged 65 and over provided the resident requirements are met. The federal family allowance programs, established at the end of the Second World War, provides a monthly allowance for each child up to the age of 16. In 1964, under the Youth Allowances Act, this allowance was extended to include children aged 17 and 18 who continued to attend school.



for our analysis "trust funds") do not qualify to be called "grants" since they are synonymous to bank account withdrawals. Although the government accounts (i.e. Public Accounts) do not show these funds separately, by definition, they have to be treated as "segregated" funds, i.e. segregated from the rest of the funds. Those funds are meant for repayments at a later date and have the characteristics of bank accounts of savings type. Therefore, both the contributions and investment income thereof (which are currently included in revenues) and the repayments (which are currently included in transfer payments) are excluded from the government sector's current operations accounts and reclassified to the status of "trust fund" transactions. Following this procedure, payments for pensions, unemployment insurance, and workers' compensation programs have been removed from the transfer payments category.

In addition to these payments, there are also grants to universities, post-secondary educational institutions, and other non-profit organizations, which contain an element of <u>quid pro quo</u>. The purpose of grants to universities and non-profit organizations is to enable these institutions to finance their services and to deliver them to the personal sector. So the institutions receiving

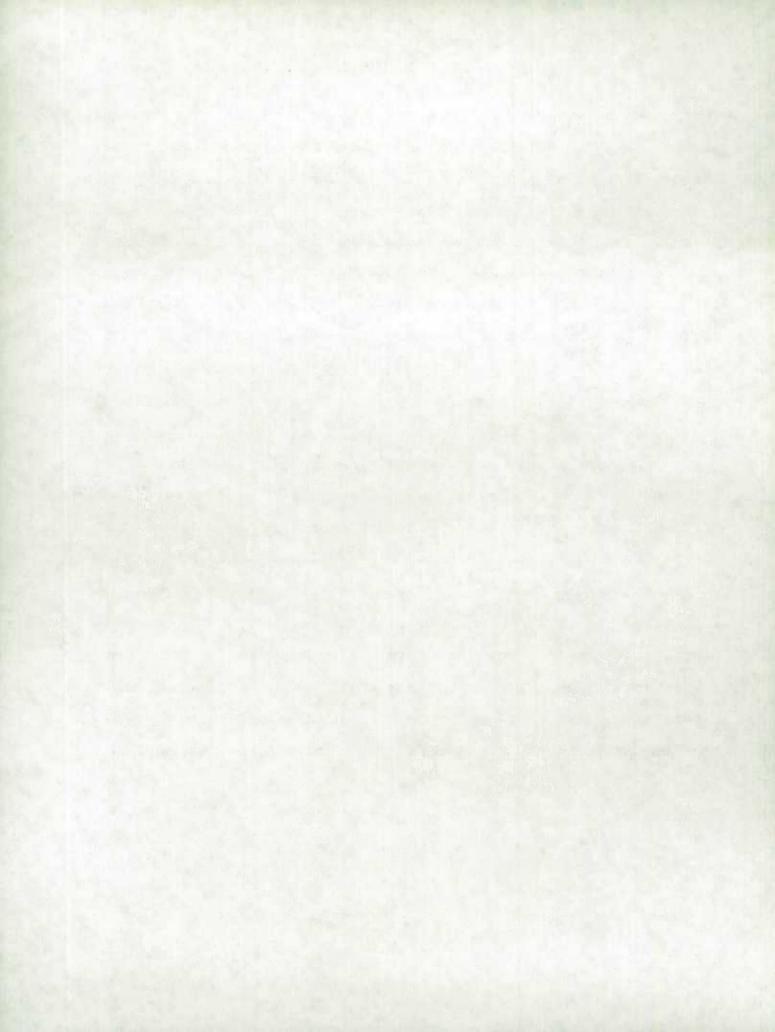
<sup>&</sup>lt;sup>6</sup> These programs include: Federal Pensions - World Wars I & II, War Veterans Allowances, Re-establishment credits, Rehabilitation credits, Unemployment insurance benefits, Pensions to government employees, and Canada Pension Plan benefits; Provincial Workers' Compensation Benefits, Provincial Pensions to government employees, and Quebec Pension Plan benefits.



the payments are in fact rendering a service to the personal sector. For example, universities and other educational institutions are given funds to deliver education services; payments to "native peoples organizations" and to local initiative programs are meant to deliver some other specific pre-determined services to the personal sector. Therefore, an exchange is implied in these payments. According to the United Nations System of National Accounts, such payments by government to non-profit institutions should be classified as "government expenditure on goods and services".

In general, government expenditures on goods and services are intended to produce and deliver public services. However, in certain instances, the government may choose to provide funds to non-profit institutions to produce and deliver services that the government sector does not. These cases involve "quid pro quo: indirect" of, as it were, a second degree. An exchange takes place, though the services are not delivered directly by government. Therefore, in this study we have treated these payments as government expenditures on goods and services, rather than transfers to the personal sector (Tables N, Q1, Q2, and Q3).

<sup>7</sup>United Nations, <u>A System of National Accounts</u>, op. cit, P.75 (Para. 5.28) P.105 (Para. 6.92) P.110 (Para. 6.100).



All such transfer payments which have an element of exchange or "quid pro quo: indirect" have been identified and payments which have grant elements derived.<sup>8</sup>

These "grant" payments after reclassification of the published data made up only about 4% of GDP in 1961 and 5% in 1989 and they are much smaller than the payments before reclassification which amounted to about 7% in 1961 and 12% in 1989.

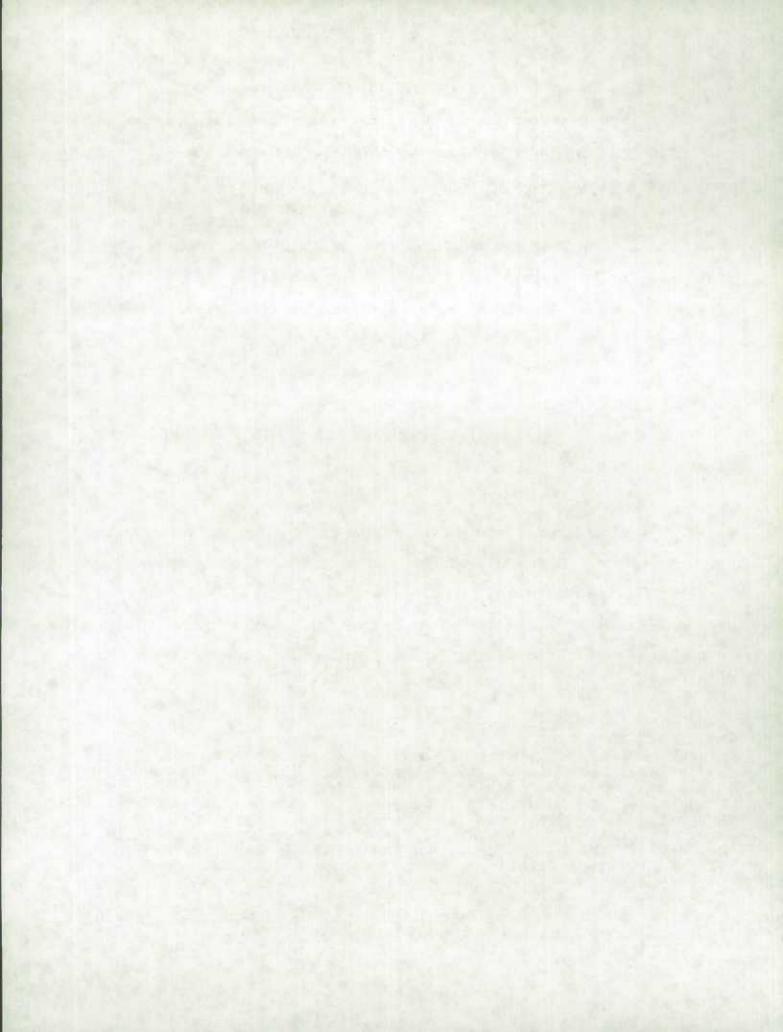
### Transfer Payments to the Business Sector

As already observed, transfer payments to the business sector contain subsidies and capital assistance.

By definition, subsidies are grants on "current account by the government to (a) private enterprises and public corporations, or (b) unincorporated public enterprises when clearly intended to compensate for losses resulting from the price policies of government". 9

These grant payments are: Federal Family and Youth Allowances, Old Age Security Payments, Grants from Canada Council, Adult Occupational Training Payments, Assistance to Immigrants, Prairie Farm Assistance Act (existed up to 1973 in small amounts), Payments to Western Grain Producers (existed in 1962 only), and Grants in support of International Assistance Programs; Provincial Government Direct Relief, Old Age and Blind Pensions, Mother's and Disabled Persons Allowances, Miscellaneous; and Local Government Direct Relief.

<sup>&</sup>lt;sup>9</sup>United Nations, <u>National Accounts Statistics: Main</u>
<u>Aggregates and Detailed Tables</u> 1984, New York 1986, P.XVI.

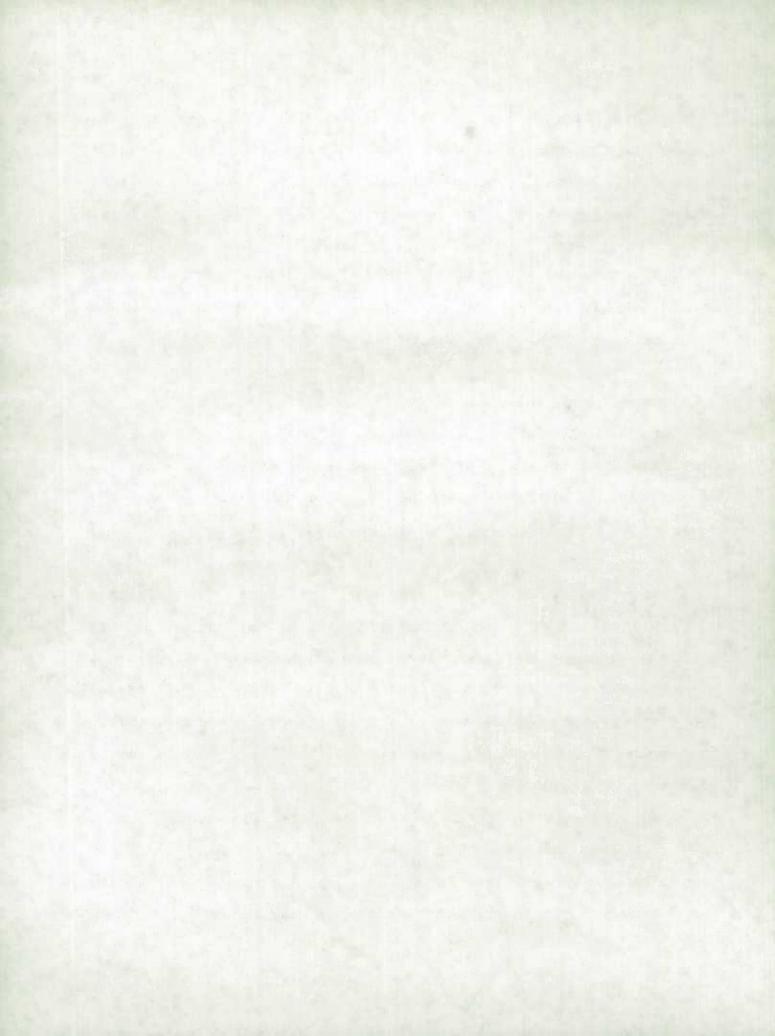


In other words, government subsidies compensate the business sector for the cost of production while the lower prices benefit consumers. There is no direct exchange of goods or services between business back to government.

In Canada, agriculture and related services, transportation, communication, finance and real estate industries account for a major portion of the total subsidies.

The payments for capital assistance to business are intended for new machinery and equipment and new construction. The business sector receives the funds and incurs a capital outlay, and there is no exchange of goods or services between business back to the government.

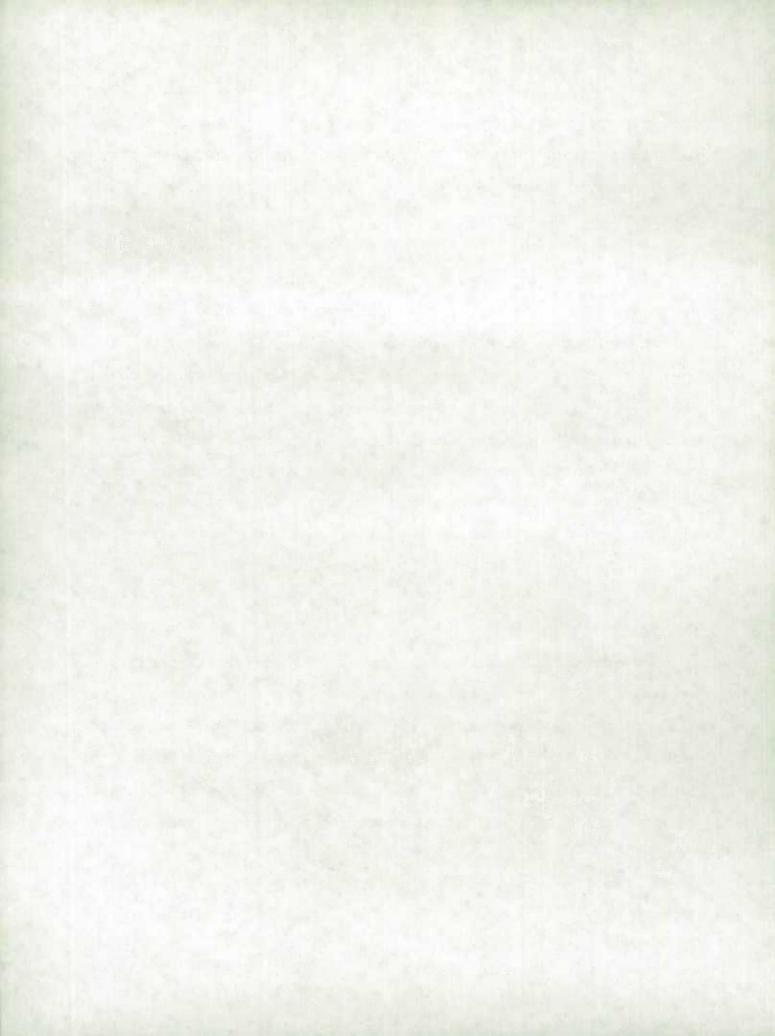
The analysis presented thus far pertains to the database currently published in the Canadian System of National Accounts. But there are certain transactions which may not be revealed in the present database. Those transactions involve rebates or offsets to the taxes payable by business or personal sectors. For example, the government may wish to give some relief to low or middle income groups for the income tax burden through sales tax remittances by allowing a deduction of a portion of the sales tax. In a transaction of this type, the government is actually giving a transfer payment — in the form of a grant to the low and middle income groups. In theory, the transfer should be recorded as an



increase in personal income as well as the income taxes to show the actual transactions beneath the surface. At the present time, these adjustments are not made to the data published in the Canadian SNA.

Consider another example involving the business sector. The government may wish to reduce the burden of rents to low and middle income families by asking the business sector to reduce the property taxes owed to the government. The business sector is in effect receiving a subsidy to compensate for the lost revenue due to lower rents. But, of course, the property taxes actually paid as well as subsidies should be increased in those instances. The Canadian SNA does not reflect such transactions. Similar practices can be observed in the case of business capital tax credits and they should all be rectified to determine the actual level of subsidies.

Sometimes, the losses of some government business enterprises are written off by the government by appropriating funds equal to those losses. These appropriations might not be routed as subsidies in the official <u>Public Accounts</u>. This practice understates the levels of subsidy payments to industries, because the business sector is in effect receiving a subsidy to the extent of losses written-off.



All these transactions underestimate the government grants by the "shortcut" methods in the settlement of accounts. Although such short-cut methods are necessary for administrative purposes, for statistical purposes and above all for the economic analysis purposes, the subsidies data should be adjusted upward to reflect those short-cuts. Otherwise the potential factors contributing to trends are lost and meaningful economic analysis of published totals will become rather difficult.

# Transfer Payments to Non-resident Sector

This category contains official contributions to the international agencies for aid programs and pensions to Canadians and others living abroad.

The pensions are for past services rendered to the government and they should be classified as "trust fund" type payments mentioned earlier. As they do not fit into the "grant" concept, they have been removed from the transfer payments category.

# (iii) Analysis of Reclassified database

The grant element derived in this study excluding interest on the public debt constituted about 5% of GDP in 1961. This proportion increased to about 7% in 1989 (Table Q3). Interest on the public debt which was about 3% in 1961 rose to 9%, in 1989. Together, grants including interest on the public debt were about 8% of the GDP in 1961 and increased to 16% in 1989 (Table Q3).

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The current treatment of interest on the public debt as a transfer or a grant deserves to be re-evaluated because this flow can be considered exchange of services from borrowers to lenders. 10 This controversial subject is discussed at length by Goldberg in a recent paper, but no definite conclusion is available at this stage 11. However, there are some encouraging developments in the recently proposed revisions to the present United Nations System of National Accounts which provide alternatives to the existing treatment. One proposal under consideration assumes "that interest flows consist of two parts, including a service charge and a net interest flow." 12 It is hoped that this alternative treatment will be consistently applied to all sectors of the economy.

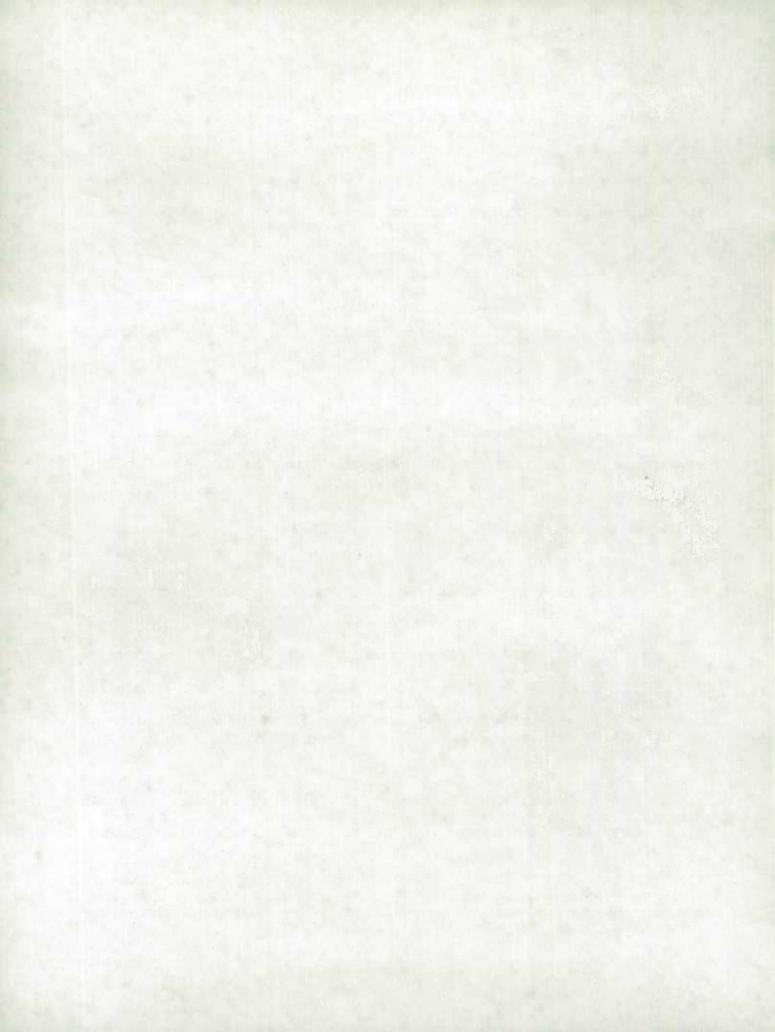
Based on the preceding analysis, total adjusted government spending can be divided into:

- expenditure on goods and services (current and capital);
- Transfer Payments to Persons:
  - Trust Fund type payments;

<sup>10</sup> Preetom S. Sunga, "The Treatment Of Interest And Net Rents In The National Accounts Framework," International Association For Research in Income and Wealth, The Review of Income and Wealth, March 1967.

<sup>11</sup>S.A. Goldberg, "The Treatment of Interest in the National Accounts: A Review," International Association For Research in Income and Wealth, Nineteenth General Conference, August 1985. (Mimeographed paper)

<sup>12</sup> See paper by Vu Viet, on "The Revision of SNA, Input-Output Standards in the SNA Framework", International Association For Research in Income and Wealth, Nineteenth General Conference, August 1985, P.44. (Mimeographed paper)

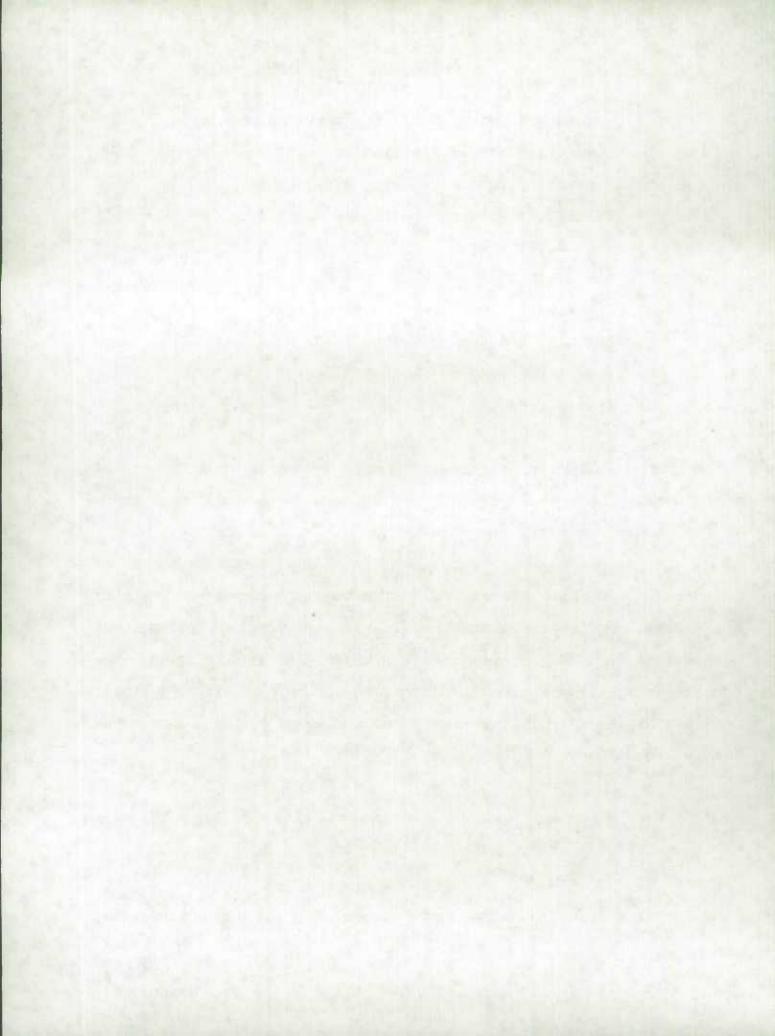


- <u>quid pro quo</u> payments for services obtained through institutions as explained;
- grants payments
- Transfer Payments to Business Sector:
  - Subsidies;
  - Capital assistance;
- Transfer Payments to non-residents:
  - Trust Fund type payments;
  - grants payments;
- Interest on the public debt.

The "Trust Fund" type payments are eliminated from the total spending. Tables N, Q1, Q2, and Q3 show the data for 1961 and 1989 before and after the adjustments.

If we exclude "Trust Fund" type payments from the transfer payments, total government spending as a percentage of GDP was about 28% in 1961 and rose to 39% by 1989 (Table Q3). Unadjusted data (as published) show total spending at about 30% in 1961 rising to 44% by 1989. Thus, spending levels are much lower based on the adjusted data.

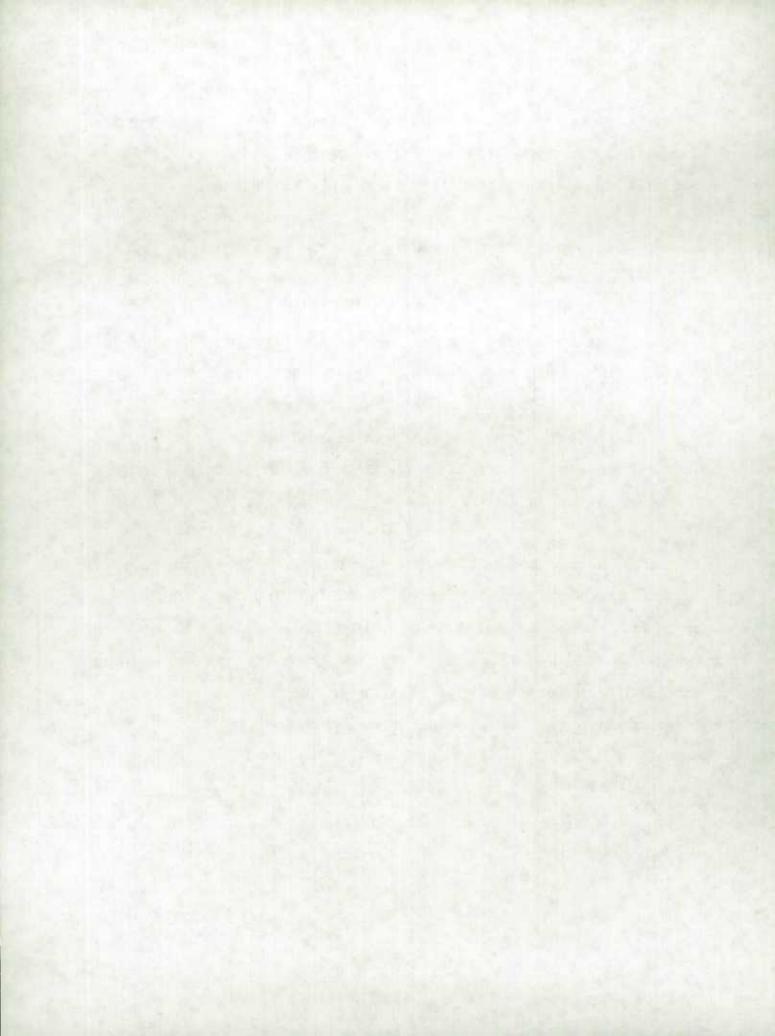
<sup>&</sup>lt;sup>13</sup>Revenues of these "Trust Funds" should also be excluded from the Government revenues to be consistent with the expenditures and to derive deficit or surplus.



By including the transfer payments classified as "guid pro quo - indirect", government current expenditure on goods and services, stood at about \$8 billion in 1961 and \$150 billion in 1989 (Table Q1). As a percentage of GDP, these expenditures represented about 20% in 1961 and 23% in 1989 (Table Q3). Unadjusted figures were lower at about 19% in 1961 and 21% in 1989 of the GDP.

The adjusted transfer payments to persons (which are synonymous to grants) amounted to about \$2 billion in 1961 or about 4% of GDP and they rose to \$30 billion or about 5% of GDP by 1989 (Tables Q1 and Q3). By contrast, the unadjusted data showed much higher figures, about \$3 billion in 1961 or about 7% of GDP and \$76 billion in 1989 or about 12% of GDP (See Tables Q1, Q2, and Q3).

The adjusted total transfer payments to all sectors (i.e. personal, business, and non-residents) excluding interest on public debt stood at about \$2 billion in 1961 or about 5% of GDP and increased to \$46 billion by 1989 or about 7% of GDP. The unadjusted data were about \$3 billion or about 8% of GDP in 1961 and \$92 billion in 1989 or about 14% of GDP.



able N Total Spending Before and After Adjustments Based on Reclassification of Transfer Payments with adjustments.

	Before Ad	justments	After Adj	ustments					
	1961	1989	1961	1989					
		\$ Millions							
Expenditures	6,166	121,242	6,166	121,242					
. Adjustments: Add: " <u>quid pro quo</u> -indirec	t"		+308	+13,054					
. Sub-total	6,166	121,242	6,474	134,296					
. Capital	1,674	15,283	1,674	15,283					
. Inventories	8	-3	8	-3					
. Sub-total: Goods & Services	7,848	136,522	8,156	149,576					
. Transfers (a) to persons Less (i) trust fund type payments	2,724	75,901	2,724 -910	75,901 -32,448					
<pre>(ii) "quid pro quo indirect" (iii) Equals: Adjuste total to persons</pre>	ed		-308 1,506	-13,05 <u>4</u> 30,39 <u>9</u>					
(b) to business	370	14,010	370	14,010					
(c) to non- residents Less	77	2,340	77	2,340					
(i) trust fund type payments			-21	-344					
(ii) Equals: Adjuste total to non-resider			56	1,996					
. Interest on public dek	ot 1,184	57,718	1,184	57,718					
. Sub-total: Transfers including interest on the public debt	4,355	149,969	3,116	104,123					
O. Total spending	12,203	286,491	11,272	253,699					

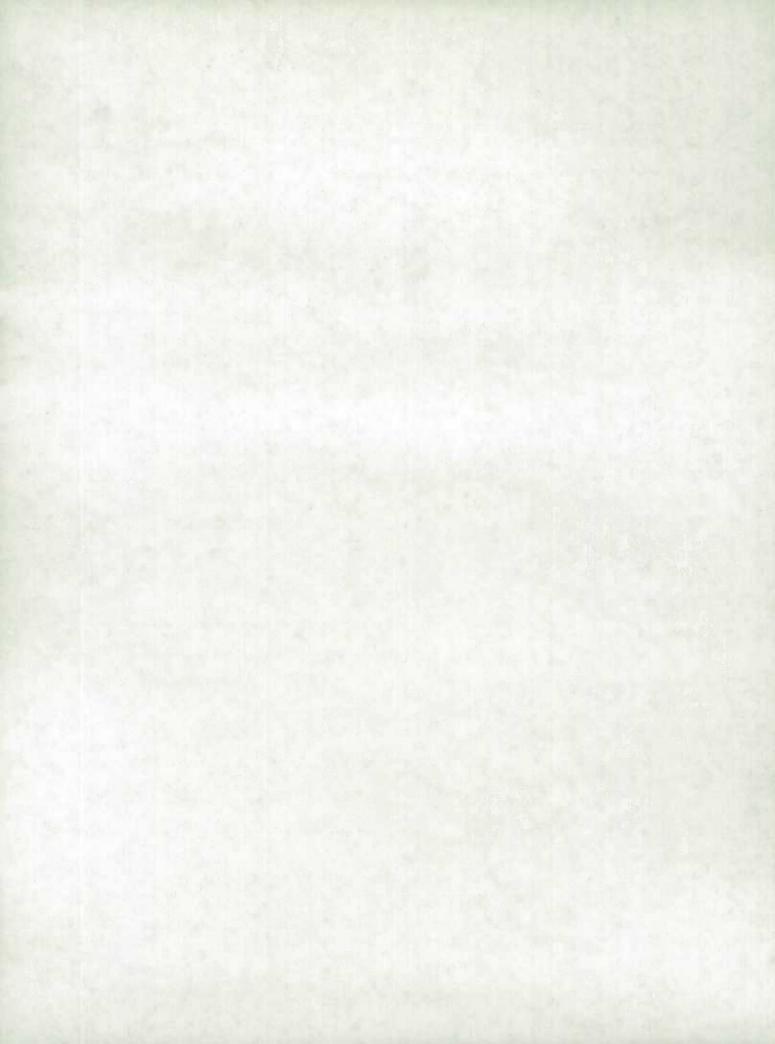


Table Q1 Total Spending Before and After Adjustments Based on Reclassification of Transfer Payments: Summary

	Be	efore Adju	stments	After Adj	<u>ustments</u>					
		1961	1989	1961	1989					
			\$	Millions	ions					
Sur	mmary									
1.	Current	6,166	121,242	6,474	134,296					
2.	Capital	1,674	15,283	1,674	15,283					
3.	Inventories	8	-3	8	-3					
4.	Sub total: Goods & Services	7,848	136,522	8,156	149,576					
5.	Transfers: (a) to persons (b) to business (c) to non- residents	2,724 370 77	75,901 14,010 2,340	1,506 370 56	30,399 14,010 1,996					
	(d) sub-total	3,171	92,251	1,932	46,405					
6.	Interest on the public debt	1,184	57,718	1,184	57,718					
7.	Sub-total: Transfers including interest on the pubic debt	4,355	149,969	3,116	104,123					
8.	Total Spending	12,203	286,491	11,272	253,699					
9.	Total GDP at market prices	40,886	651,616	40,886	651,616					

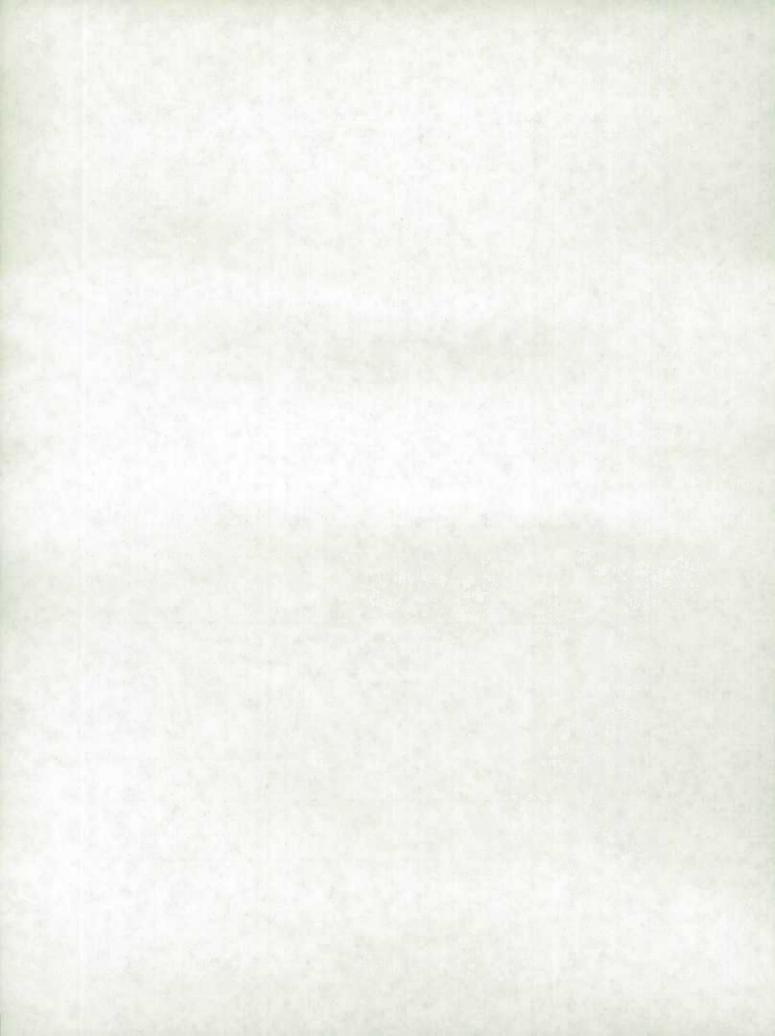


Table Q2 Total Spending Before and After Adjustments Based on Reclassification of Transfer Payments: Summary (Percentages)

	Before A	djustments	After Adju	stments
	1961	1989	1961	1989
		% Dist	ribution	
Summary				
1. Current	50.5	42.3	57.4	52.9
2. Capital	13.7	5.3	14.8	6.0
3. Inventories	0.1	-	0.1	-
4. Sub-total: Goods & Services	64.3	47.6	72.3	58.9
5. Transfers: (a) to persons (b) to business (c) to non- residents	22.3 3.1 0.6	26.5 4.9 0.8	13.4 3.3 0.5	12.0 5.5 0.8
(d) sub-total	26.0	32.1	17.2	18.3
6. Interest on the public debt	9.7	20.2	10.5	22.8
7. Sub-total: Transfers including interest on the public debt	35.7	52.3	27.7	41.1
8. Total spending	100.0	100.0	100.0	100.0

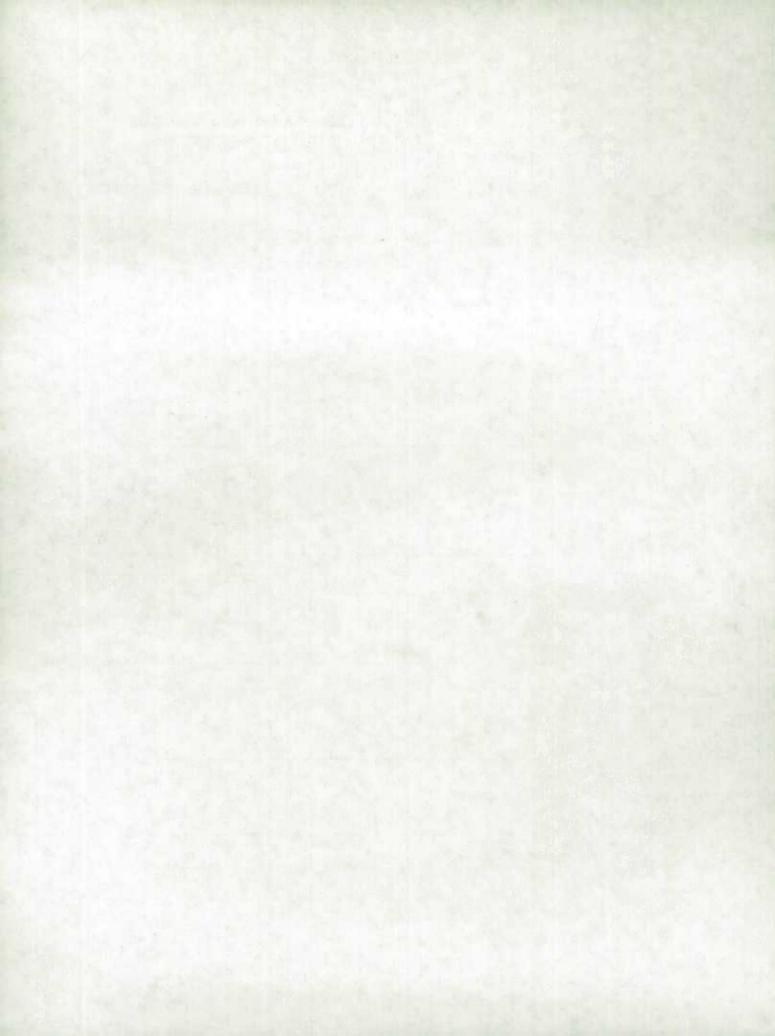
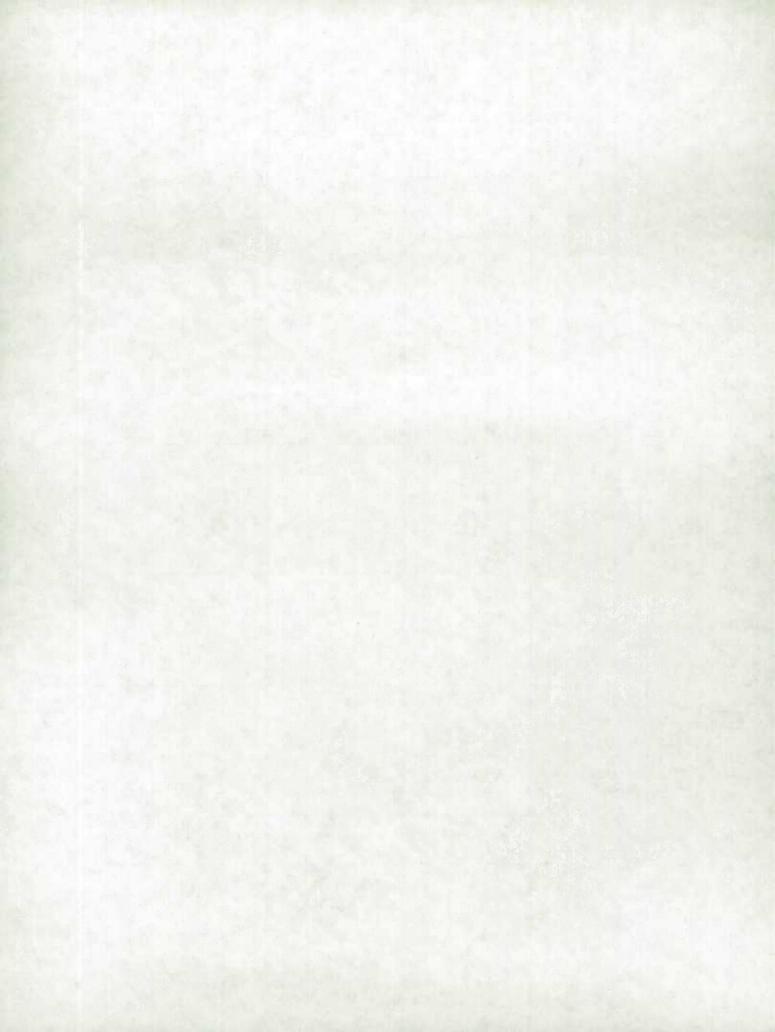


Table Q3 Total Spending Before and After Adjustments Based on Reclassification of Transfer Payments: Summary (Percentage to GDP)

		Before Ad	ljustments	After Adju	stments
		1961	1989	1961	1989
		% t	o GDP at Man	rket Prices	
Sun	mmary				
1.	Current	15.1	18.6	15.8	20.6
2.	Capital	4.1	2.3	4.1	2.3
3.	Inventories	_			-
4.	Sub-total: Goods & Services	19.2	20.9	19.9	22.9
5.	Transfers: (a) to persons (b) to business (c) to non- residents	6.7 0.9 0.2	11.6 2.2 0.4	3.7 0.9 0.1	4.7 2.1 0.3
	(d) sub-total	7.9	14.2	4.7	7.1
6.	Interest on the public debt	2.9	8.9	2.9	8.9
7.	Sub-total: Transfers including interest on the public debt	10.8	23.1	7.6	16.0
8.	Total spending	29.9	44.0	27.5	38.9



#### VI Summary

This paper outlined a new paradigm to analyze government transfer payments of the Canadian System of National Accounts and developed the database for the new structure from 1961 to 1989.

The new database contains only grants as defined in the Grants Economics for an objective analysis.

# Data Highlights Before Reclassification

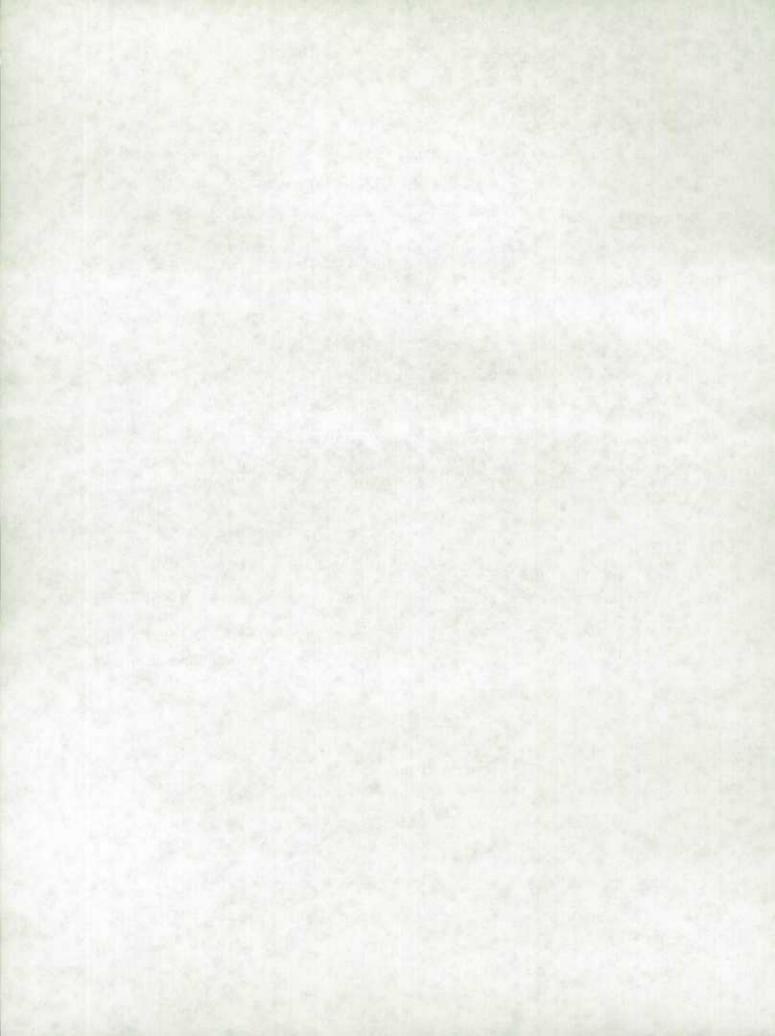
In Canada, government capital expenditures dropped from about 14% of total spending in 1961 to about 5% in 1989. In relation to Gross Domestic Product at market prices (GDP), capital expenditures declined from about 4% in 1961 to 2% in 1989.

Current expenditures on goods and services also declined, from about 50% of total spending in 1961 to about 42% in 1989. On the other hand, government transfer payments (including interest on the public debt) increased from about 36% of total spending in 1961 to over 52% in 1989.

Both current and capital expenditures combined increased only moderately from 19% of GDP in 1961, to 21% in 1989.

# Analysis of Transfer Payments

An analysis of the transfer payments revealed that not all items are grants as defined in the Grants Economics. Payments

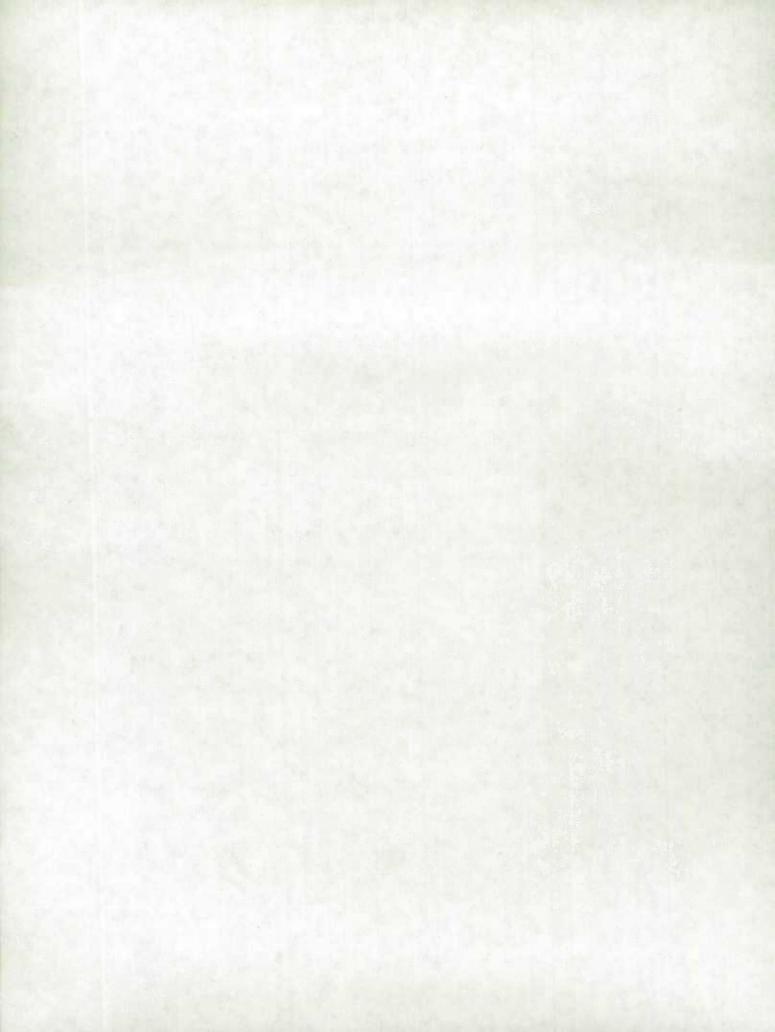


for pensions and other contributory social security programs such as unemployment insurance are neither transfer payments nor grants because they are coming out of "trust funds" specified for those programs. They are similar to bank withdrawals by the legitimate claimants to the extent of their entitlement - be it pensions, workers' compensation, or unemployment insurance.

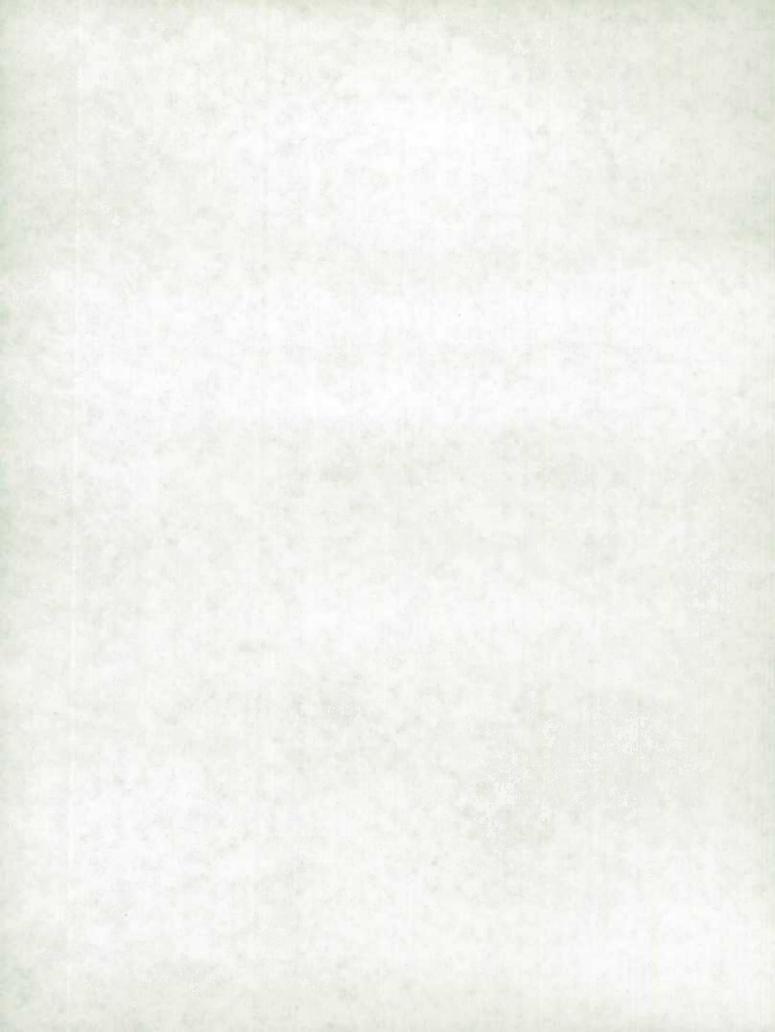
Other items, such as transfer payments to non-profit institutions (e.g. universities) for rendering services to the personal sector have characteristics of guid pro quo, and they qualify to be included in the government sector's outlays, rather than in the personal sector.

Based on the database of the new paradigm (i.e. after classification), it is worth noting that grants to the personal sector increased only moderately from 4% of GDP in 1961 to 5% in 1989, while government transfers to business sector almost doubled from 1% of GDP in 1961 to 2% in 1989. Interest on the public debt also tripled from 3% of the GDP in 1961 to 9% in 1989.

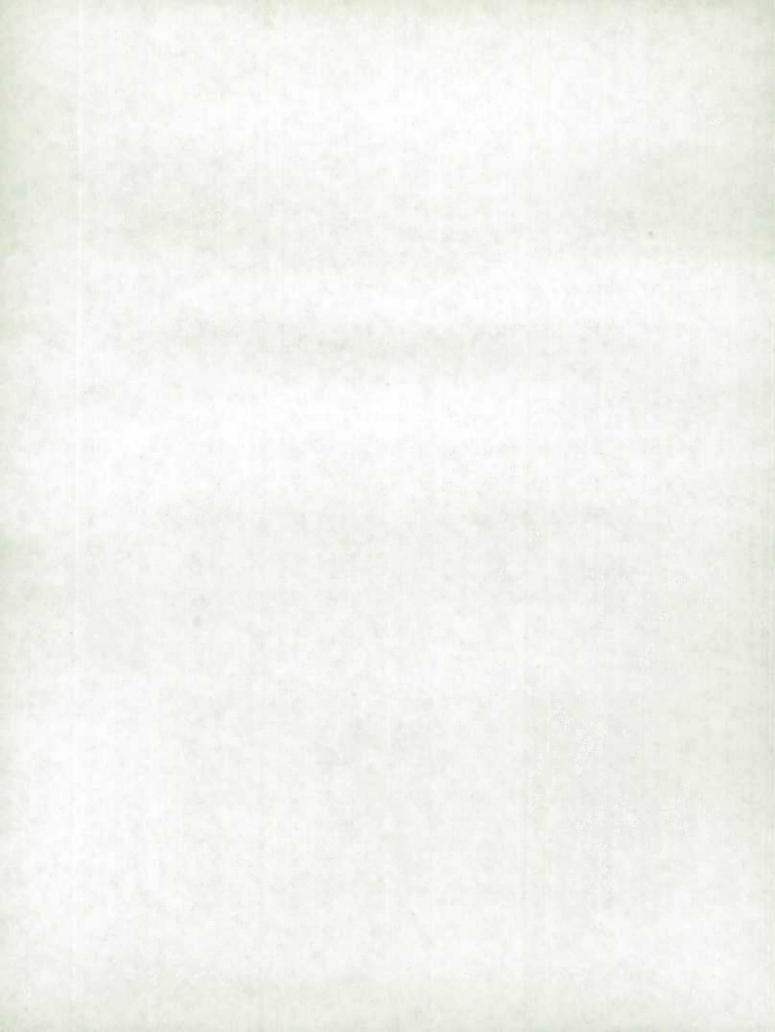
This analysis suggests that grants to the personal sector are not the areas to be looked at for cuts, but public debt interest and subsidies to the business sector are the ones to be reviewed in that context.



1.FEOERAL	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977
a) FAMILY & YOUTH ALLOWANCES	517	529	537	559	599	606	611	615	618	618	619	611	711	1769	1961	1942	2084
b)PENSIONS - WORLO WARS I & II	158		160	162	170	175	181	206		197	209	219	254	290	312	347	372
c) HAR VETERANS' ALLOHANCES	76		89	95	108	110	110	106		102	88	93	120	136	195	206	
d)RE-ESTABLISHMENT CREDITS	2	1	0	0	0	0	0	1 1	0	0	0	0	0	0	0	0	
e) REHABILITATION BENEFITS	1	1	1	4	1	1	1	1	0	0	0	0	0	0	0	0	
f)UNEMPLOYMENT INSURANCE BENEFITS	494	409	394	344	312	295	353	438	499	695		1869	2008	2121	3155	3332	
a) PENSIONS TO GOVERNMENT EMPLOYEES	65		83	99	111	125	138	154	175	216	249	308	327	351	390	508	604
h)OLD AGE SECURITY PAYMENTS	597		767	871	890	994		1478					2824	3303	3753		
i) GRANTS FROM CANADA COUNCIL	9						1318										
			14	12	10	8	16	20	26	30	32	40	38	43	54	60	66
j)SCHOLARSHIPS & GRANTS - RESEARCH	0	_	17	24	27	52	61	90	89	99	106	100	107	109	121	133	
K) ADULT OCCUPATIONAL TRAINING PAYMENTS	0	0	0	0	0	. 0	21	101	121	148	166	150	147	150	171	190	
1) ASSISTANCE TO IMMIGRANTS	2	1	2	2	2	1	2	4	5	2	2	2	3	1	5	2	_
m) PRAIRIE FARM ASSISTANCE ACT	35	30	15	9	11	6	3	8	9	6	3	3	5	0	0	0	
n) PAYMENTS TO WESTERN GRAIN PRODUCERS	0	0.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
o)GRANTS TO UNIVERSITIES	16	19	26	27	27	57	42	0	0	0	0	7	9	9	8	7	
p)LOCAL INITIATIVES PROGRAM	0	0	0	0	0	0	0	0	0	0	0	145	194	83	121	107	
q)GRANTS TO NATIVE PEOPLES	0		0	0	24	23	31	30	33	29	46	60	87	120	183	195	
r) GRANTS TO NATIONAL ORGANIZATIONS	0	0	0	0	0	0	0	0	0	0	14	38	62	71	88	102	
s)GRANTS IN SUPPORT OF INTERNATIONAL ASSISTANCE PROGRAMS	0	0	0	0	0	0	0	0	0	7	11	16	18	25	32	33	33
†)MISCELLANEOUS	33	37	29	36	19	31	30	43	58	46	134	95	94	124	71	64	248
u)SUB-TOTAL FEOERAL	2005	2110	2134	2241	2311	2484	2918	3295	3598	4057	4684	6186	7008	8705	10620	11533	13089
2. PROVINCIAL																	
a) OIRECT RELIEF	34	39	49	59	73	143	257	381	454	535	712	751	828	1014	1200	1392	1611
blold AGE & BLIND PENSIONS	82	103	103	116	122	101	68	40	24	18	17	23	78	162	274	334	327
CIMOTHERS' & DISABLEO PERSONS' ALLOHAN	72	81	79	93	108	113	91	69	55	41	50	41	37	43	39	64	72
d) HORKERS' COMPENSATION BENEFITS	94	104	111	124	142	156	162	177	203	230	238	280	335	415	546	701	750
e)PENSIONS TO GOVERNMENT EMPLOYEES	20	23	25	32	33	43	48	54	66	75	87	100	112	147	176	206	237
f) GRANTS TO POST-SECONDARY EDUCATIONAL	139	165	179	214	264	323	580	635	758	866	1107	1194	1232	1431	1721	2136	2303
INSTITUTIONS																	
g) GRANTS TO BENEVOLENT ASSOCIATIONS	149	161	173	168	202	201	241	327	354	432	459	570	664	881	1122	1418	1718
h)MISCELLANEOUS	50	58	59	64	80	93	200	320	396	391	464	268	268	309	332	317	398
																	3,0
i)SUB-TOTAL PROVINCIAL	640	734	778	870	1024	1173	1647	2003	2310	2588	3134	3227	3554	4402	5410	6568	7416
3. MUNICIPAL																	
a)OIRECT RELIEF	75	79	81	80	83	89	98	131	141	211	258	244	248	214	255	270	266
b)GRANTS TO CHARITABLE & OTHER ORGANIZATIONS	4	5	7	9	- 11	13	15	17	19	21	24	30	37	42	48	57	64
								100									
c)SUB-TOTAL MUNICIPAL	79	84	88	89	94	102	113	148	160	232	282	274	285	256	303	327	330
4. CANADA PENSION PLAN	0	0	0	0	0	0	0	11	38	78	129	190	253	360	527	775	997
5. QUEBEC PENSION PLAN	0	0	0	0	0	0	0	4	13	26	43	58	113	135	194	261	359
6.TOTAL TRANSFER PAYMENTS TO PERSONS	2724	2928	3000	3200	3429	3759	4678	5461	6119	6981	8272	9935	11213	13858	17054	19464	22191



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1.FEDERAL	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
B) FAMILY & YOUTH ALLOHANCES	2224	1696	1812	1958	2204	2303	2393	2492	2524	2552	2595	2632
b) PENSIONS - HORLD HARS I & II	397	427	447	487	544	598	625	637	653	676	702	737
C) MAR VETERANS' ALLOMANCES	251	278	297	346	390	424	468	519	505	475	448	436
d) RE-ESTABLISHMENT CREDITS	0	0	0	0	0	0	0	0	0	0	0	0
REHABILITATION BENEFITS	0	0	0	0	0	0	0	0	0	0	0	0
FIUNEMPLOYMENT INSURANCE BENEFITS	4507	4030	4332	4757	8454	10062		10118	10394	10369	10781	11445
PENSIONS TO GOVERNMENT EMPLOYEES	741	924	1096	1243	1447	1602	1769	1961	2168	2400	2626	2761
JOLD AGE SECURITY PAYMENTS	5238	6085	7020	8213	9304	10137		12150	13148	14006	14801	15718
GRANTS FROM CANADA COUNCIL	50	43	44	50	59	65	70	72	81	87	84	80
SCHOLARSHIPS & GRANTS - RESEARCH	164	170	210	273	330	377	442	459	492	495	521	554
ASSISTANCE TO INMICRANTS		77	91	97	97	100	103	132	63	0	0	0
ASSISTANCE TO IMMIGRANTS	2	12	27	26	26	24	0	0	0	0	0	0
) PRAIRIE FARM ASSISTANCE ACT ) PAYMENTS TO WESTERN GRAIN PRODUCERS	0	0	0	0	0	0	0	0	0	0	0	0
GRANTS TO UNIVERSITIES	17	13	32	39	47	57	66	94	95	95	102	102
DILOCAL INITIATIVES PROGRAM	2	0	0	0	0	0	0	0	0	0	0	0
GRANTS TO NATIVE PEOPLES	251	328	413	536	633	773	990	1052	1397	1444	1701	1863
IGRANTS TO NATIONAL ORGANIZATIONS	129	117	97	169	247	349	111	273	209	256	237	255
SIGRANTS IN SUPPORT OF INTERNATIONAL ASSISTANCE PROGRAMS	48	52	72	80	112	153	173	207	0	0	0	0
MISCELLANEOUS	485	405	480	410	486	1055	1631	1572	1462	1411	1582	1369
SUB-TOTAL FEDERAL	14647	14657	16470	18684	24380	28079	29699	31738	33191	34266	36180	37952
. PROVINCIAL												
DIRECT RELIEF	1762	1941	2214	2617	3313	4077	4509	4888	5120	5371	5636	5986
JOLO AGE & BLIND PENSIONS	309	294	565	615	649	663	673	706	727	814	834	857
IMOTHERS' & DISABLED PERSONS' ALLOHAN	89	107	116	151	173	204	254	265	295	310	310	319
IMORKERS' COMPENSATION BENEFITS	891	959	1192	1425	1759	1894	2144	2294	2675	2962	3147	3411
IPENSIONS TO GOVERNMENT EMPLOYEES	305	388	448	518	639	733	781	923	1097	1385	1494	1631
IGRANTS TO POST-SECONDARY EDUCATIONAL INSTITUTIONS	2524	2766	3049	3480	3900	4199	4345	4581	4687	4864	5366	5689
IGRANTS TO BENEVOLENT ASSOCIATIONS	1888	2183	2578	2886	3359	3592	3471	3716	3776	4226	4637	5045
MISCELLANEOUS	506	638	788	904	957	1047	1249	1501	1642	1727	1834	1728
ISUB-TOTAL PROVINCIAL	8274	9276	10950	12596	14749	16409	17426	18874	20019	21659	23258	24666
. MUNICIPAL												
DIRECT RELIEF	307	337	394	443	532	666	726	773	865	961	1055	1156
ORGANIZATIONS	71	76	85	86	89	86	86	93	99	97	98	100
ISUB-TOTAL MUNICIPAL	378	413	479	529	621	752	812	866	964	1058	1153	1256
CANADA PENSION PLAN	1246	1535	1903	2321	2873	3485	4045	4676	5349	6948	8095	9137
QUEBEC PENSION PLAN	455	554	664	828	1006	1222	1554	1841	2073	2326	2619	2890
S. TOTAL TRANSFER PAYMENTS TO PERSONS	25000	26435	30466	34958	43629	49947	53536	57995	61596	66257	71305	75901



APPENDIX II: GOVERNMENT TRANSFER PAYMENTS TO PERSONS, 1961 - 1989, (\$ MILLIONS)

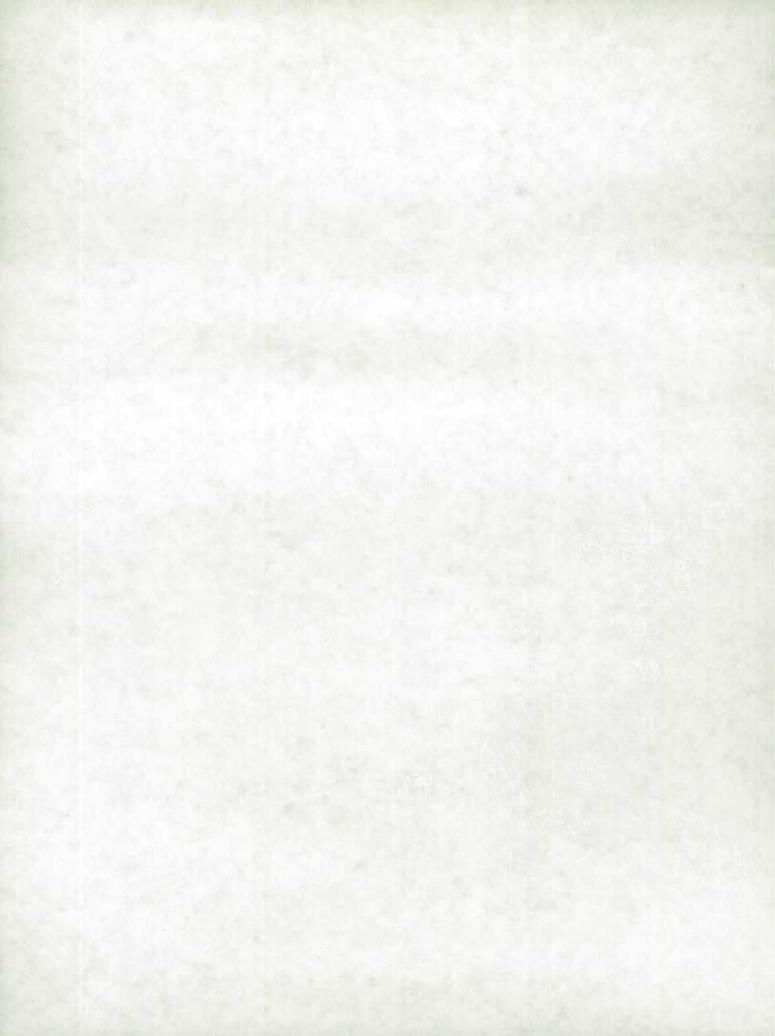
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APPENDIX II: GOVERNMENT TRANSFER PAYMENTS TO PERSONS, 1961 - 1989, (\$ MILLIONS)

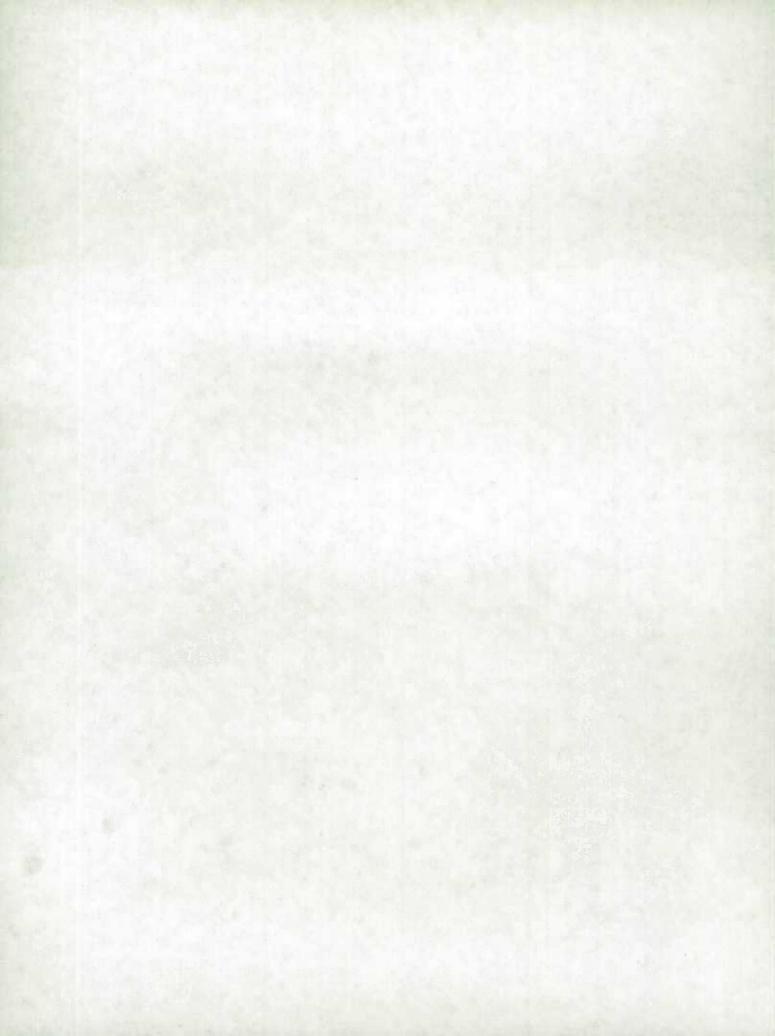
TRUST FUND TYPE OR DEFERRED SALARY PAYMENT

(Reclassified as per New Paradigm proposed in Paper by P.S.K. Murty)

	1961	1962	1963	1966	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	
1.FEOERAL			1,02	,,,,,	1703	1700	1,01	1700	.,0,	1770	1771	17/2	17/3	17/7	17/3	17/0	17//	
a) PENSIONS - WORLD WARS I & II	158	162	160	162	170	175	181	206	201	197	209	219	254	290	312	347	372	
b) HAR VETERANS' ALLOWANCES	76	87	89	95	108	110	110	106	105	102	88	93	120	136	195	206	229	
c)RE-ESTABLISHMENT CREDITS	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	
d) REHABILITATION BENEFITS	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	
e) UNEMPLOYMENT INSURANCE BENEFITS	494	409	394	344	312	295	353	438	499	695	891	1869	2008	2121	3155	3332	3904	
fipensions to government employees	65	74	83	99	111	125	138	154	175	216	249	308	327	351	390	508	604	
g)CANADA PENSION PLAN	0	0	0	0	0	0	0	11	38	78	129	190	253	360	527	775	997	
h)SUB-TOTAL FEDERAL	796	734	727	701	702	706	783	917	1018	1288	1566	2679	2962	3258	4579	5168	6106	
2.PROVINCIAL																		
a) MORKERS' COMPENSATION BENEFITS	94	104	111	124	142	156	162	177	203	230	238	280	335	415	546	701	750	
b) PENSIONS TO GOVERNMENT EMPLOYEES	20	23	25	32	33	43	48	54	66	75	87	100	112	147	176	206	237	
c)QUEBEC PENSION PLAN	0	0	0	0	0	0	0	4	13	26	43	58	113	135	194	261	359	
d)SUB-TOTAL PROVINCIAL	114	127	136	156	175	199	210	235	282	331	368	438	560	697	916	1168	1346	
3.TOTAL TRUST FUND TYPE DR DEFERRED SALARY PAYMENT	910	861	863	857	877	905	993	1152	1300	1619	1934	3117	3522	3955	5495	6336	7452	



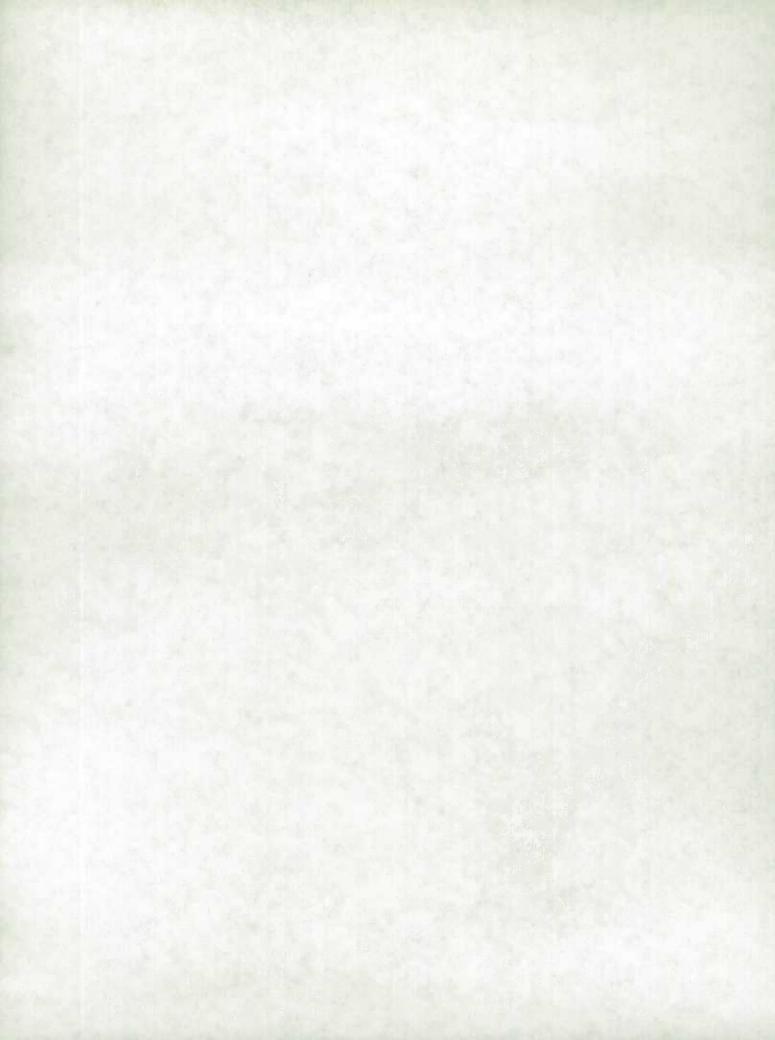
	APPENDIX II									- 198	9, (#	(ILLIONS)	
02:27:56 PM		TRUS	ST FUNI	TYPE	OR DE	FERRED	SALAR	Y PAYM	ENT				
10-DEC-1990		(Red	classi	fied as	per l	New Par	radigm	propos	sed in	Paper	by P.S	S.K. Murty	1)
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	
1.FEDERAL													
a)PENSIONS - WORLD WARS I & II	397	427	447	487	544	598	625	637	653	676	702	737	
b) HAR VETERANS' ALLOHANCES	251	278	297	346	390	424	468	519	505	475	648	436	
c)RE-ESTABLISHMENT CREDITS	0	0	0	0	0	0	0	0	0	0	0	0	
d) REHABILITATION BENEFITS	0	0	0	0	0	0	0	0	0	0	0	0	
e) UNEMPLOYMENT INSURANCE BENEFITS	4507	4030	4332	4757	8454	10062	9859	10118	10394	10369	10781	11445	
f) PENSIONS TO GOVERNMENT EMPLOYEES		924	1096	1243	1447	1602	1769	1961	2168	2400	2626	2761	
g)CANADA PENSION PLAN	1246	1535	1903	2321	2873	3485	4045	4676	5349	6948	8095	9137	
h)SUB-TOTAL FEDERAL	7142	7194	8075	9154	13708	16171	16766	17911	19069	20868	22652	24516	
2. PROVINCIAL													
a) MORKERS' COMPENSATION BENEFITS	891	959	1192	1425	1759	1894	2144	2294	2675	2962	3147	3411	
b) PENSIONS TO GOVERNMENT EMPLOYEES	305	388	448	518	639	733	781	923	1097	1385	1494	1631	
C)QUEBEC PENSION PLAN	455	554	664	828	1006	1222	1554	1841	2073	2326	2619	2890	
d) SUB-TOTAL PROVINCIAL	1651	1901	2304	2771	3404	3849	4479	5058	5845	6673	7260	7932	
3. TOTAL TRUST FUND TYPE DR DEFERRED SALARY PAYMENT	8793	9095	10379	11925	17112	20020	21245	22969	24914	27541	29912	32448	



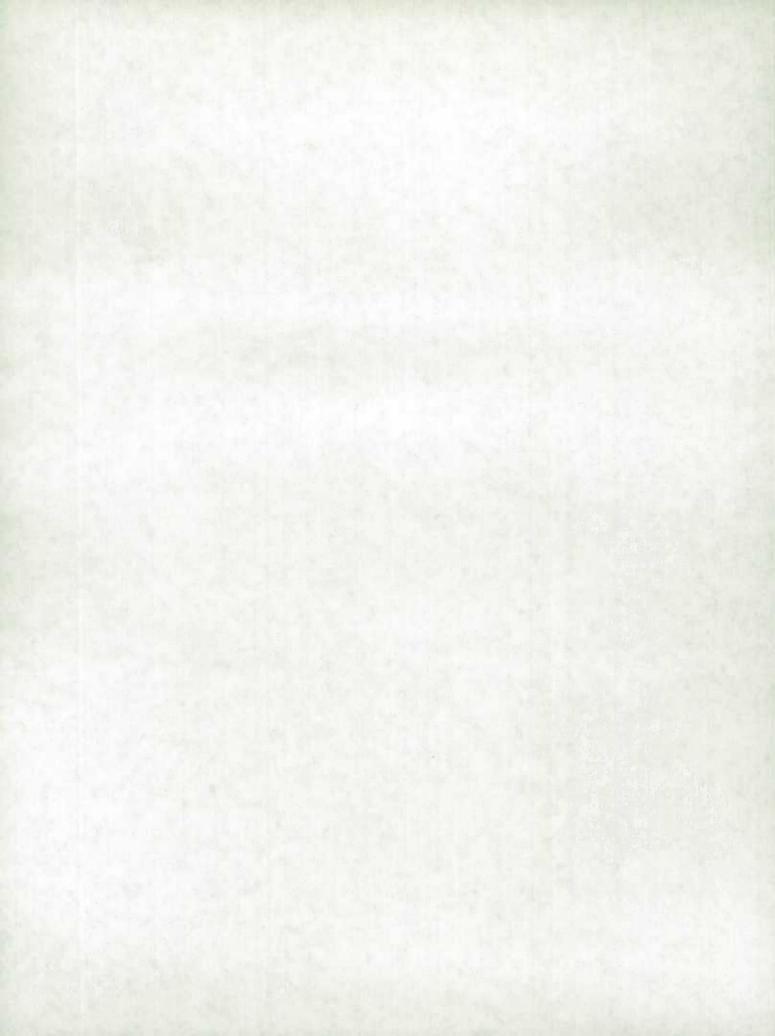
APPENDIX III: GOVERNMENT TRANSFER PAYMENTS TO PERSONS, 1961 - 1989, (\$ MILLIONS) 02:27:59 PM QUID PRO QUO - INDIRECT (Reclassified as per New Paradigm proposed in Paper by P.S.K. Murty) 10-DEC-1990 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977 1. FEDERAL a) GRANTS TO UNIVERSITIES b) LOCAL INITIATIVES PROGRAM c) GRANTS TO NATIVE PEOPLES d) GRANTS TO NATIONAL ORGANIZATIONS e)SUB-TOTAL FEDERAL 16 19 26 27 51 80 73 30 60 250 2. PROVINCIAL a) GRANTS TO POST-SECONDARY EDUCATIONAL 139 165 179 214 264 323 580 635 758 866 1107 1194 1232 1431 1721 2136 2303 INSTITUTIONS 149 161 173 168 202 201 241 327 354 432 459 570 664 881 1122 1418 1718 b) GRANTS TO BENEVOLENT ASSOCIATIONS 288 326 352 382 466 524 821 962 1112 1298 1566 1764 1896 2312 2843 3554 4021 CISUB-TOTAL PROVINCIAL 3. MUNICIPAL 7 9 11 13 15 17 19 21 24 30 37 42 48 algrants to Charitable & DTHER ORGANIZATIONS

4. TOTAL QUID PRO QUO - INDIRECT

308 350 385 418 528 617 909 1009 1164 1348 1650 2044 2285 2637 3291 4022 4597



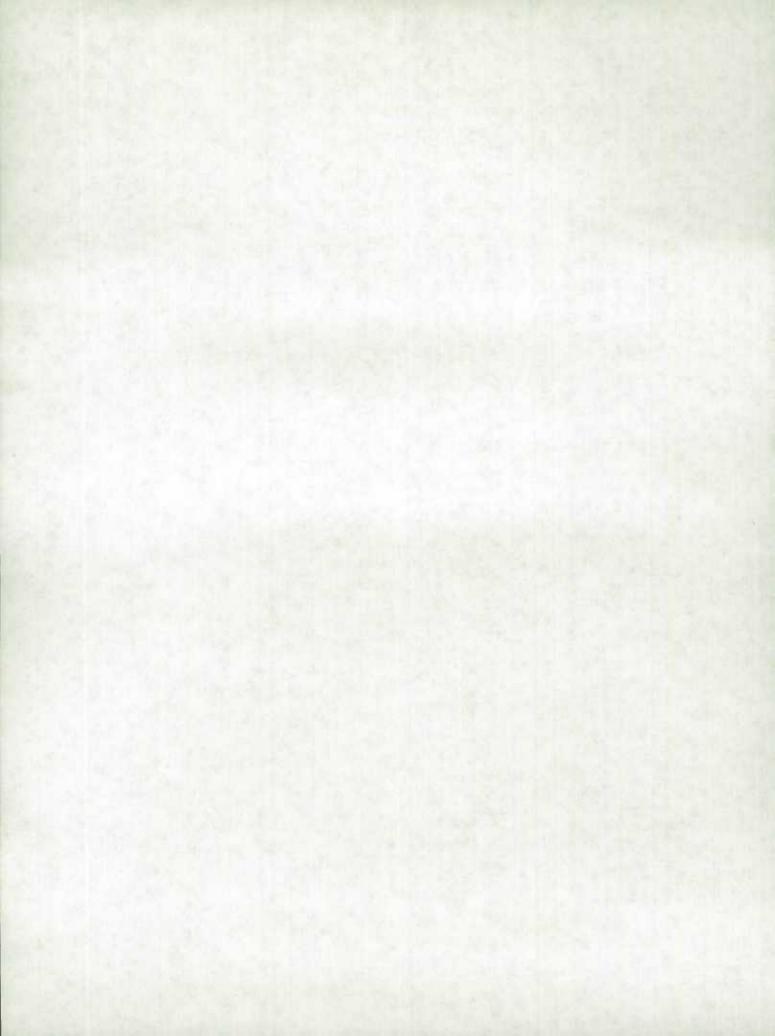
02:27:59 PM	DIX III			TRANS			TD PE	RSDNS	, 1961	- 198	9, (\$	MILLIONS)
10-DEC-1990							adigm	propos	sed in	Paper	by P.	S.K. Hurty
1.FEDERAL	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
a)GRANTS TO UNIVERSITIES b)LOCAL INITIATIVES PROGRAM c)GRANTS TO NATIVE PEOPLES d)GRANTS TO NATIONAL ORGANIZATIONS	17 2 251 129	13 0 328 117	32 0 413 97	39 0 536 169	47 0 633 247	57 0 773 349	66 0 990 111	94 0 1052 273	95 0 1397 209	0 1444	102 0 1701 237	0 1863
e)SUB-TOTAL FEDERAL	399	458	542	744	927	1179	1167	1419	1701	1795	2040	2220
2. PROVINCIAL												
a) GRANTS TO POST-SECONDARY EDUCATIONAL INSTITUTIONS	2524	2766	3049	3480	3900	4199	4345	4581	4687	4864	5366	5689
b) GRANTS TO BENEVOLENT ASSOCIATIONS	1888	2183	2578	2886	3359	3592	3471	3716	3776	4226	4637	5045
c)SUB-TOTAL PROVINCIAL	4412	4949	5627	6366	7259	7791	7816	8297	8463	9090	10003	10734
3. MUNICIPAL												
a)GRANTS TO CHARITABLE & OTHER ORGANIZATIONS	71	76	85	86	89	86	86	93	99	97	98	100
4. TOTAL QUID PRO QUO - INDIRECT	4882	5483	6254	7196	8275	9056	9069	9809	10263	10982	12141	13054



10-DEC-1990		- (	Recla	ssifi	ed as	per	New P	aradi	gm pro	opose	d in	Paper	by P.S	.K. M.	irty)			
1.FEDERAL	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	
a)FAMILY & YOUTH ALLOWANCES	517	529	537	559	599	606	611	615	618	618	619	611	711	1769	1961	1942	2084	
BIOLD AGE SECURITY PAYMENTS	597			871	890	994	1318					2430	2824	3303	3753	4305	4692	
c) GRANTS FROM CANADA COUNCIL	9		14	12	10	8	16	20	26	30	32	40	38	43	54	60	66	
d)SCHOLARSHIPS & GRANTS - RESEARCH	0	0	17	24	27	52	61	90	89	99	106	100	107	109	121	133	148	
e) ADULT DCCUPATIONAL TRAINING PAYMENTS	0	0	0	0	0	0	21	101	121	148	166	150	147	150	171	190	195	
f) ASSISTANCE TO IMMIGRANTS	2	1	2	2	2	1	2	4	5	2	2	2	3	150	5	2	2	
g)PRAIRIE FARM ASSISTANCE ACT	35	30	15	9	11	6	3	8	9	6	3	_	6	0	0		0	
hIPAYMENTS TO WESTERN GRAIN PRODUCERS	0	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
i)GRANTS IN SUPPDRT OF INTERNATIONAL ASSISTANCE PROGRAMS	0	0	0	0	0	0	0	0	0	7	11	16	18	25	32	33	33	
j)MISCELLANEDUS	33	37	29	36	19	31	30	43	58	46	134	95	94	124	71	64	248	
k)SUB-TOTAL FEDERAL	1193	1357	1381	1513	1558	1698	2062	2359	2585	2818	3187	3447	3947	5524	6168	6729	7468	
2. PROVINCIAL																		
a)DIRECT RELIEF	34	39	49	59	73	143	257	381	454	535	712	751	828	1014	1200	1392	1611	
blold AGE & BLIND PENSIONS	82	103	103	116	122	101	68	40	24	18	17	23	78	162	274	334	327	
CIMOTHERS & DISABLED PERSONS ALLOMANCE	72	81	79	93	108	113	91	69	55	41	50	41	37	43	39	64	72	
dimiscellaneous	50	58	59	64	80	93	200	320	396	391	464	268	268	309	332	317	398	
e)SUB-TOTAL PROVINCIAL	238	281	290	332	383	450	616	810	929	985	1243	1083	1211	1528	1845	2107	2408	
3. MUNICIPAL																		
a)DIRECT RELIEF	75	79	81	80	83	89	98	131	141	211	258	244	248	214	255	270	266	
4.TDTAL GRANT	1506	1717	1752	1925	2024	2237	2776	3300	3655	4014	4688	4774	5406	7266	8268	9106	10142	

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APPENDIX IV: GOVERNMENT TRANSFER PAYMENTS TO PERSONS, 1961 - 1989, (\$ MILLIONS)
GRANT



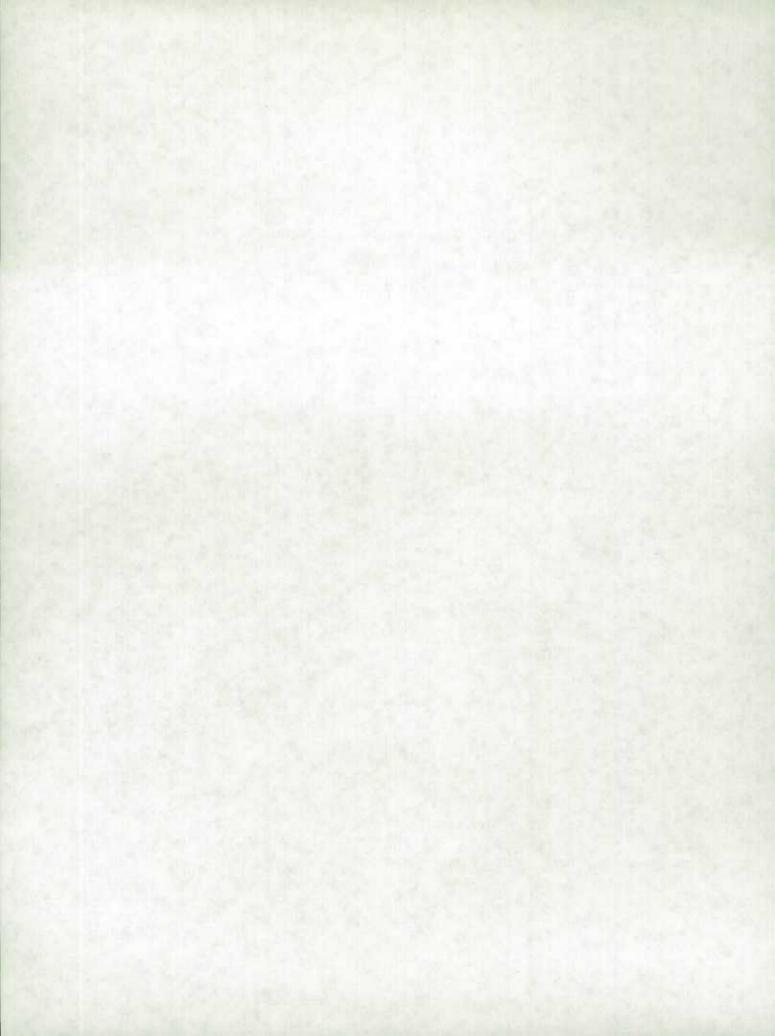
	DIX IV			TRANS	FER P	AYMENT:	5 TO P	RSONS,	, 1961	- 1989	9, (\$ 1	MILLIONS)
02:28:02 PM		GRAN										
10-DEC-1990		(Rec	lassi	fied as	per	New Par	radigm	propos	sed in	Paper	by P.S	S.K. Murty)
	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
1.FEDERAL	1770	.,,,	1,00	1701	1,02	1702	1,01	1,05	1700	1707	1700	1,0,
a)FAMILY & YOUTH ALLOWANCES	2224	1696	1812	1958	2204	2303	2393	2492	2524	2552	2595	2632
b)OLD AGE SECURITY PAYMENTS	5238	6085	7020	8213	9304	10137	10999	12150	13148	14006	14801	15718
c) GRANTS FROM CANADA COUNCIL	50	43	44	50	59	65	70	72	81	87	84	80
d)SCHOLARSHIPS & GRANTS - RESEARCH	164	170	210	273	330	377	442	459	492	495	521	554
e) ADULT OCCUPATIONAL TRAINING PAYMENTS	141	77	91	97	97	100	103	132	63	0	0	0
f)ASSISTANCE TO IMMIGRANTS	2	12	27	26	26		0	0	0	0	0	0
g)PRAIRIE FARM ASSISTANCE ACT	0	0	0	0	0		0	0	0	0	0	0
h) PAYMENTS TO WESTERN GRAIN PRODUCERS	0	0	0	0	0	0	0	0	0	0	0	0
i)GRANTS IN SUPPORT OF INTERNATIONAL ASSISTANCE PROGRAMS	48	52	72	80	112	153	173	207	0	0	0	0
j)MISCELLANEOUS	485	405	480	410	486	1055	1631	1572	1462	1411	1582	1369
k)SUB-TOTAL FEDERAL	8352	8540	9756	11107	12618	14214	15811	17084	17770	18551	19583	20353
2.PROVINCIAL												
a)DIRECT RELIEF	1762	1941	2214	2617	3313	4077	4509	4888	5120	5371	5636	5986
b)OLD AGE & BLIND PENSIONS	309	294	565	615	649	663	673	706	727	814	834	857
c)MOTHERS & DISABLED PERSONS ALLOWANCE	89	107	116	151	173	204	254	265	295	310	310	319
d)MISCELLANEOUS	506	638	788	904	957	1047	1249	1501	1642	1727	1834	1728
e)SUB-TOTAL PROVINCIAL	2666	2980	3683	4287	5092	5991	6685	7360	7784	8222	8614	8890
3. MUNICIPAL												

a)DIRECT RELIEF

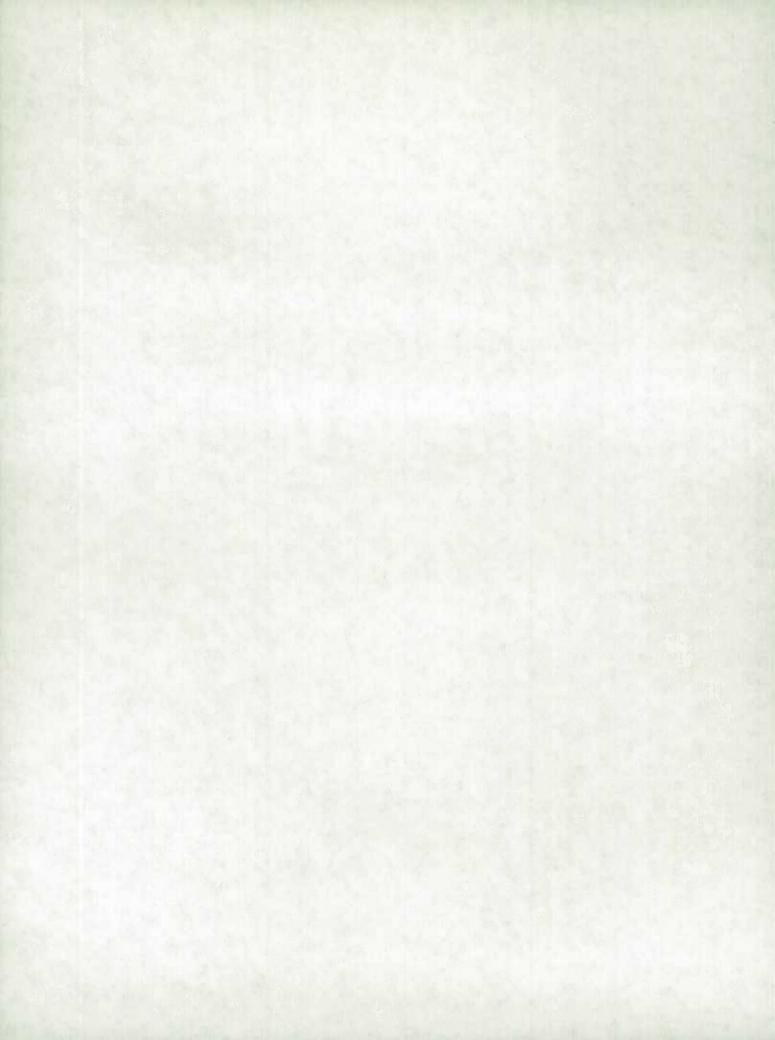
4. TOTAL GRANT

307 337 394 443 532 666 726 773 865 961 1055 1156

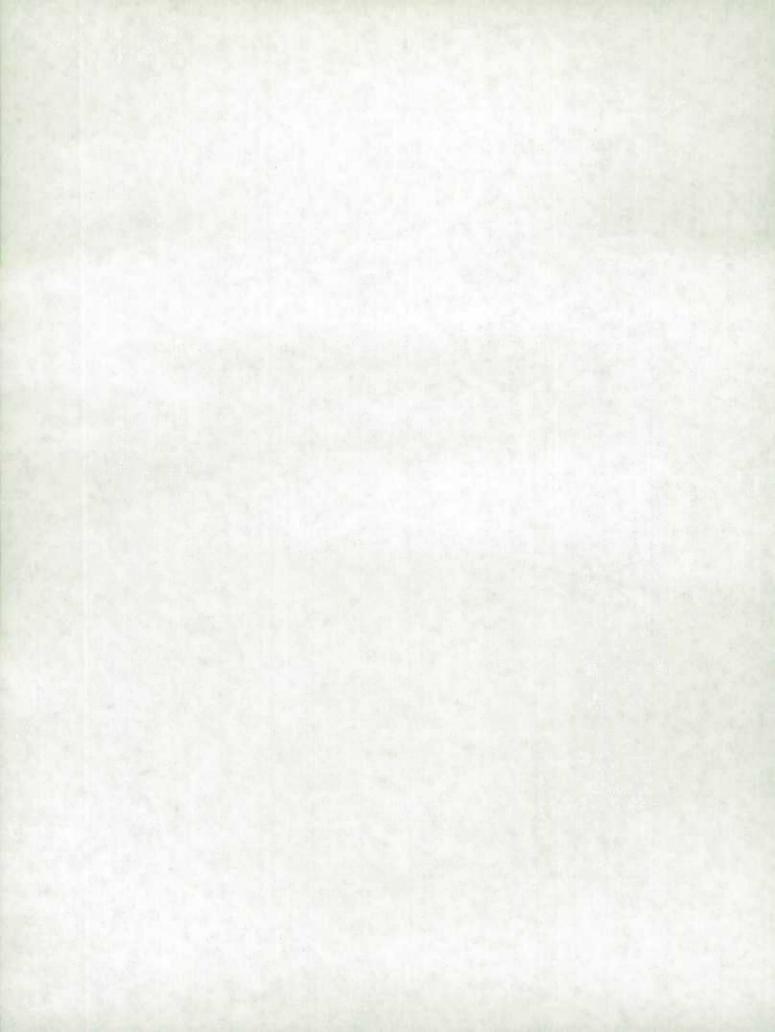
11325 11857 13833 15837 18242 20871 23222 25217 26419 27734 29252 30399



02:28:06 PM 10-DEC-1990	APPENDIX \										9, (\$ I by P.S				
PART I. \$MILLIONS	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
A.TRUST FUND TYPE OR DEFERRED SALARY PAYMENT	910	861	863	857	877	905	993	1152	1300	1619	1934	3117	3522	3955	5495
B.QUID PRO QUO - INDIRECT	308	350	385	418	528	617	909	1009	1164	1348	1650	2044	2285	2637	3291
C. GRANT	1506	1717	1752	1925	2024	2237	2776	3300	3655	4014	4688	4774	5406	7266	8268
D.TOTAL TRANSFER PAYMENTS TO PERSONS	2724	2928	3000	3200	3429	3759	4678	5461	6119	6981	8272	9935	11213	13858	17054
PART II. PERCENTAGE DISTRIBUTION															
A. TRUST FUND TYPE OR DEFERRED SALARY PAYMENT	33.4	29.4	28.8	26.8	25.6	24.1	21.2	21.1	21.2	23.2	23.4	31.4	31.4	28.5	32.2
B.QUID PRO QUO - INDIRECT	11.3	12.0	12.8	13.1	15.4	16.4	19.4	18.5	19.0	19.3	19.9	20.6	20.4	19.0	19.3
C. GRANT	55.3	58.6	58.4	60.2	59.0	59.5	59.3	60.4	59.7	57.5	56.7	48.1	48.2	52.4	48.5
D. TOTAL TRANSFER PAYMENTS TO PERSONS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

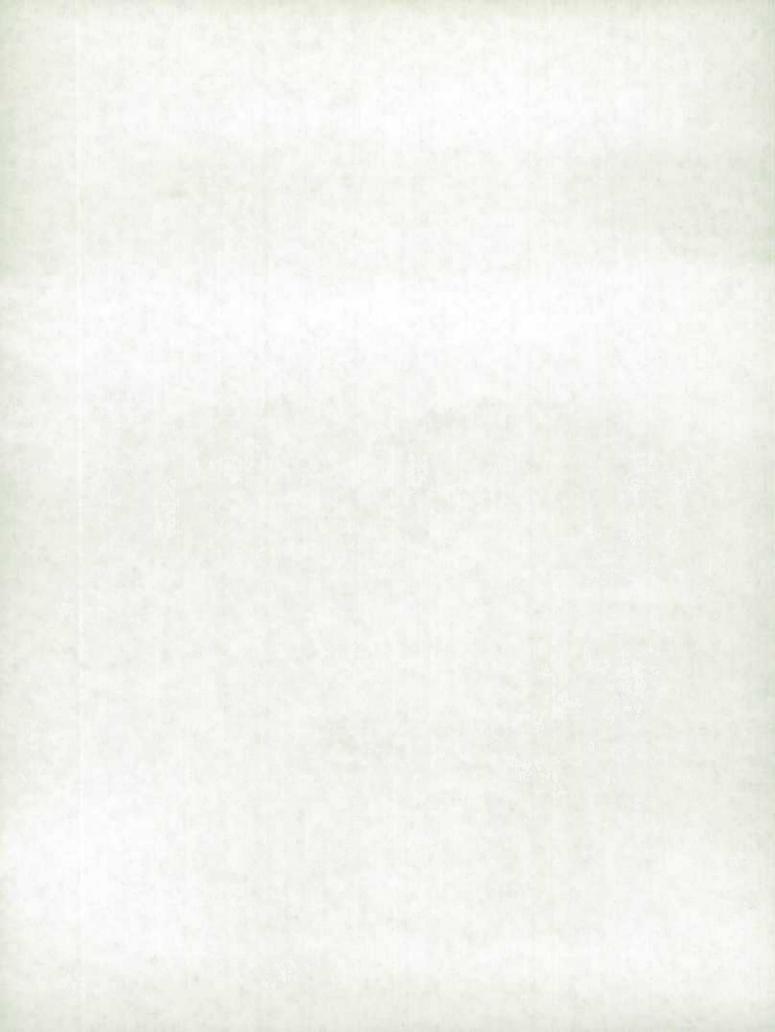


02:28:06 PM	PPENDIX Y							ERSONS propos						
10-DEC-1990	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
PART I. \$MILLIONS  A.TRUST FUND TYPE OR	6336	7452	8793	9095	10379	11925	17112	20020	21245	22969	24914	27541	29912	32448
DEFERRED SALARY PAYMENT														
B. QUID PRO QUO - INDIRECT		4597												
C.GRANT  D.TOTAL TRANSFER PAYMENTS TO PERSONS		10142												
PART II. PERCENTAGE DISTRIBUTION  A.TRUST FUND TYPE OR	72.6	33.6	75 2	76.6	76.4	76. 4	70.2	60.1	70.7	70 6	40.4	41.6	44 0	42 8
DEFERRED SALARY PAYMENT	32.0	33.0	35.2	34,4	34.1	54.1	37.2	40.1	37.7	27.0	40.4	41.0	41.7	42.0
B.QUID PRO QUO - INDIRECT														17.2
C. GRANT  D. TOTAL TRANSFER PAYMENTS TO PERSONS		45.7												100.0
D. TOTAL TRANSFER PATMENTS TO PERSONS	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0



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90					
	GROSS	TOTAL	TRUST	QUID	GRANT
	DOMESTIC	TRANSFER	FUND	PRO	
	PRODUCT	PAYMENTS	TYPE	QUO	
1961	40886	2724	910	308	1506
1962	44408	2928	861	350	1717
1963	47678	3000	863	385	1752
1964	52191	3200	857	418	1925
1965	57523	3429	877	528	2024
1966	64388	3759	905	617	2237
1967	69064	4678	993	909	2776
1968	75418	5461	1152	1009	3300
1969	83026	6119	1300	1164	3655
1970	89116	6981	1619	1348	4014
1971	97290	8272	1934	1650 .	4688
1972	108629	9935	3117	2044	4774
1973	127372	11213	3522	2285	5406
1974	152111	13858	3955	2637	7266
1975	171540	17054	5495	3291	8268
1976	197924	19464	6336	4022	9106
1977	217879	22191	7452	4597	10142
1978	241604	25000	8793	4882	11325
1979	276096	26435	9095	5483	11857
1980	309891	30466	10379	6254	13833
1981	355994	34958	11925	7196	15837
1982	374442	43629	17112	8275	18242
1983	405717	49947	20020	9056	20871
1984	444735	53536	21245	9069	23222
1985	477988	57995	22969	9809	25217
1986	505666	61596	24914	10263	26419
1987	551336	66257	27541	10982	27734
1988	603356	71305	29912	12141	29252
1989	651616	75901	32448	13054	30399



A.TRUST FUND TYPE OR 1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977

DEFERRED SALARY PAYMENT

1. FEDERAL

a) PENSIONS - WORLD WARS I & II 158 162 160 162 170 175 181 206 201 197 209 219 **DIMAR VETERANS' ALLOHANCES** c) RE-ESTABLISHMENT CREDITS d) REHABILITATION BENEFITS n elUNEMPLOYMENT INSURANCE BENEFITS 891 1869 fIPENSIONS TO GOVERNMENT EMPLOYEES a) CANADA PENSION PLAN h)SUB-TOTAL FEDERAL 796 734 727 701 702 706 783 917 1018 1288 1566 2679 2962 3258 2. PROVINCIAL a) HORKERS' COMPENSATION BENEFITS 94 104 111 124 142 156 162 177 203 230 b) PENSIONS TO GOVERNMENT EMPLOYEES c) QUEBEC PENSION PLAN dISUB-TOTAL PROVINCIAL 114 127 136 156 175 199 210 235 282 331 368 1168 1346 3. SUB-TOTAL TRUST FUND TYPE 910 861 863 857 877 905 993 1152 1300 1619 1934 3117 3522 3955 5495 6336 7452

B. QUID PRO QUO - INDIRECT

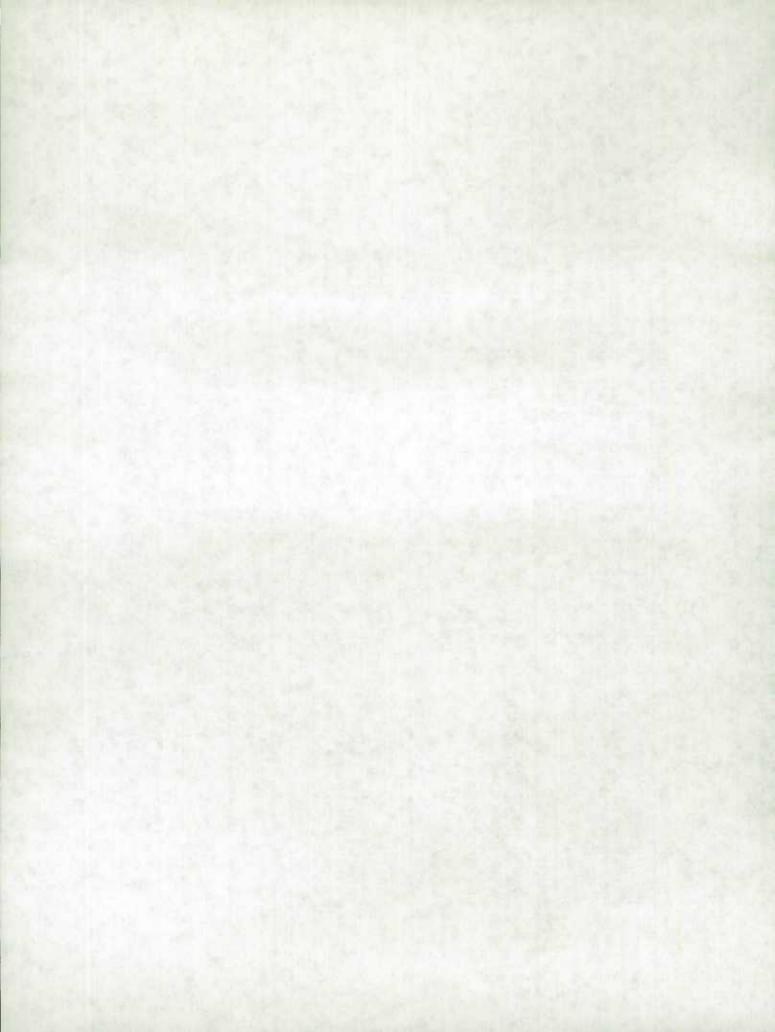
OR DEFERRED SALARY PAYMENT

4. SUB-TOTAL QUID PRO QUO - INDIRECT

1. FEDERAL

a) GRANTS TO UNIVERSITIES R b) LOCAL INITIATIVES PROGRAM CIGRANTS TO NATIVE PEOPLES dIGRANTS TO NATIONAL ORGANIZATIONS elSUB-TOTAL FEDERAL 60 250 2. PROVINCIAL a) GRANTS TO POST-SECONDARY EDUCATIONAL 139 165 179 214 264 323 580 635 758 866 1107 1194 1232 1431 1721 2136 2303 INSTITUTIONS **bigrants** To BENEVOLENT ASSOCIATIONS 149 161 173 168 202 201 241 327 354 432 459 570 881 1122 1418 1718 c) SUB-TOTAL PROVINCIAL 288 326 352 382 466 524 821 962 1112 1298 1566 1764 1896 2312 2843 3554 4021 3. MUNICIPAL a) GRANTS TO CHARITABLE & OTHER 9 11 13 15 17 19 21 24 DRGANIZATIONS

308 350 385 418 528 617 909 1009 1164 1348 1650 2044 2285 2637 3291 4022 4597

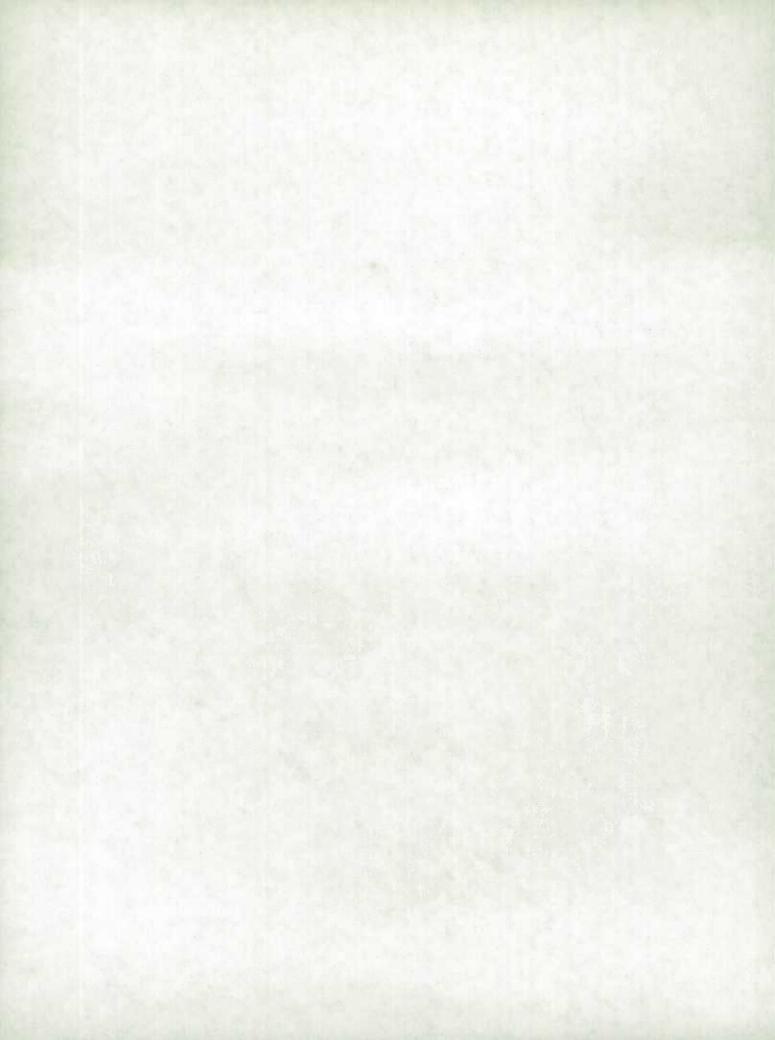


1961 1962 1963 1964 1965 1966 1967 1968 1969 1970 1971 1972 1973 1974 1975 1976 1977

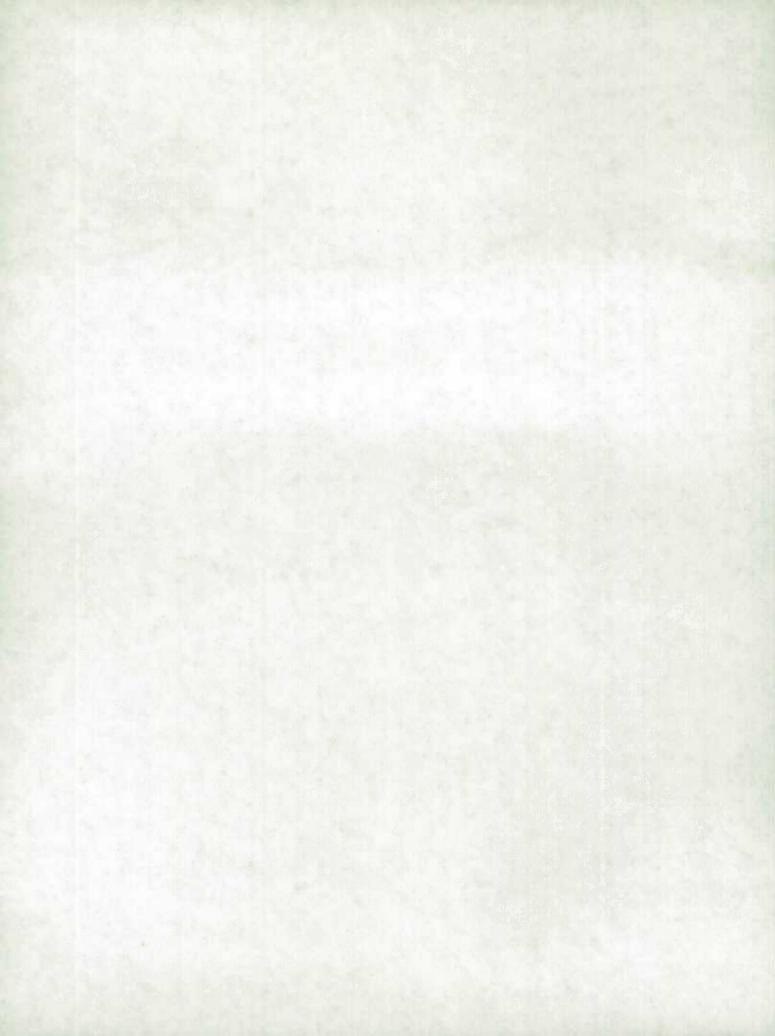
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	4	ь.	v	ъ.	n	~	м

	1.1 EDERAL																		
	a)FAMILY & YOUTH ALLOWANCES	517	529	537	559	599	606	611	615	618	618	619	611	711	1769	1961	1942	2084	
	b)OLO AGE SECURITY PAYMENTS	597	713	767	871	890	994	1318	1478	1659	1862	2114	2430	2824	3303	3753	4305	4692	
	c)GRANTS FROM CANADA COUNCIL	9	7	14	12	10	8	16	20	26	30	32	40	38	43	54	60	66	
	d)SCHOLARSHIPS & GRANTS - RESEARCH	0	0	17	24	27	52	61	90	89	99	106	100	107	109	121	133	148	
	e) ADULT OCCUPATIONAL TRAINING PAYMENTS		0	0	0	0	0	21	101	121	148	166	150	147	150	171	190	195	
	f) ASSISTANCE TO IMMIGRANTS	2	1	2	2	2	1	2	4	5	2	2	2	3	. 1	5	2	2	
	g)PRAIRIE FARM ASSISTANCE ACT	35	-	-	9	11	6	3	8	9	6	3	3	5	0	0	0	0	
	h)PAYMENTS TO WESTERN GRAIN PRODUCERS	0	, , ,	-	0	0	0	0	0	-	0	0	0	0	0	0	0	0	
	i)GRANTS IN SUPPORT OF INTERNATIONAL ASSISTANCE PROGRAMS	0	0	0	0	0	0	0	0	0	7	11	16	18	25	32	33	33	
	j)MISCELLANEOUS	33	37	29	36	19	31	30	43	58	46	134	95	94	124	71	64	248	
	K)SUB-TOTAL FEDERAL	1193	1357	1381	1513	1558	1698	2062	2359	2585	2818	3187	3447	3947	5524	6168	6729	7468	
	2.PROVINCIAL																		
	a)DIRECT RELIEF	34	39	49	59	73	143	257	381	454	535	712	751	828	1014	1200	1392	1611	
	b)OLD AGE & BLIND PENSIONS	82	103	103	116	122	101	68	40	24	18	17	23	78	162	274	334	327	
	CIMOTHERS & DISABLED PERSONS ALLOHANCE	72	81	79	93	108	113	91	69	55	41	50	41	37	43	39	64	72	
	d)MISCELLANEOUS	50	58	59	64	80	93	200	320	396	391	464	268	268	309	332	317	398	
	e)SUB-TOTAL PROVINCIAL	238	281	290	332	383	450	616	810	929	985	1243	1083	1211	1528	1845	2107	2408	
	3.MUNICIPAL																		
	a)DIRECT RELIEF	75	79	81	80	83	89	98	131	141	211	258	244	248	214	255	270	266	
	4.SUB-TOTAL GRANT	1506	1717	1752	1925	2024	2237	2776	3300	3655	4014	4688	4774	5406	7266	8268	9106	10142	
D	TOTAL TRANSFER PAYMENTS TO PERSONS	2724	2928	3000	3200	3429	3759	4678	5461	6119	6981	8272	9935	11213	13858	17054	19464	22191	



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	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
A. TRUST FUND TYPE OR												
DEFERRED SALARY PAYMENT												
1.FEDERAL												
a)PENSIONS - WORLD WARS I & II	397	427	447	487	544	598	625	637	653	676	702	737
b) HAR VETERANS' ALLOHANCES	251	278	297	346	390	424	468	519	505	475	448	436
c)RE-ESTABLISHMENT CREDITS	0	0	0	0	0	0	0	0	0	0	0	0
d) REHABILITATION BENEFITS	0	0	0	0	0	0	0	0	0	0	0	0
e)UNEMPLOYMENT INSURANCE BENEFITS	4507	4030	4332	4757	_	10062	_	10118	10394	_	10781	11445
f)PENSIONS TO GOVERNMENT EMPLOYEES	741	924	1096	1243	1447	1602	1769		2168	2400	2626	2761
g)CANADA PENSION PLAN	1246	1535	1903	2321	2873	3485	4045	4676	5349	6948	8095	9137
h)SUB-TOTAL FEDERAL	7142	7194	8075	9154	13708	16171	16766	17911	19069	20868	22652	24516
2.PROVINCIAL												
a) MORKERS' COMPENSATION BENEFITS	891	959	1192	1425	1759	1894	2144	2294	2675	2962	3147	3411
b) PENSIONS TO GOVERNMENT EMPLOYEES	305	388	448	518	639	733	781	923	1097		1494	1631
C)QUEBEC PENSION PLAN	455	554	664	_ , _	1006	1222	1554	1841	2073		2619	2890
d)SUB-TOTAL PROVINCIAL	1651	1901	2304	2771	3404	3849	4479	5058	5845	6673	7260	7932
3.SUB-TOTAL TRUST FUND TYPE	8793	0005	40770	44005	47440	20020	04045	220/0	24.044	07544	29912	70440
OR DEFERRED SALARY PAYMENT	0/73	7075	103/9	11725	1/112	20020	21243	22707	24714	2/341	27712	32440
B.QUID PRO QUO - INDIRECT												
1.FEDERAL												
a) GRANTS TO UNIVERSITIES	17	13	32	39	47	57	66	94	95	95	102	102
b)LOCAL INITIATIVES PROGRAM	2	0	0	0	0	0	0	0	0	0	0	0
c)GRANTS TO NATIVE PEOPLES	251	328	413	536	633	773	990	1052	1397	1444	1701	1863
digrants to national organizations	129	117	97	169	· 247	349	111	273	209	256	237	255
e)SUB-TOTAL FEDERAL	399	458	542	744	927	1179	1167	1419	1701	1795	2040	2220
2.PROVINCIAL												
a) GRANTS TO POST-SECONDARY EDUCATIONAL	2524	2766	3049	3480	3900	4199	4345	4581	4687	4864	5366	5689
INSTITUTIONS	2324	2700	3047	3400	3700	41//	7373	4301	4007	4004	3300	3007
b) GRANTS TO BENEVOLENT ASSOCIATIONS	1888	2183	2578	2886	3359	3592	3471	3716	3776	4226	4637	5045
c)SUB-TOTAL PROVINCIAL	4412	4949	5627	6366	7259	7791	7816	8297	8463	9090	10003	10734
3. MUNICIPAL												
a) GRANTS TO CHARITABLE & OTHER ORGANIZATIONS	71	76	85	86	89	86	86	93	99	97	98	100
4.SUB-TOTAL QUID PRO QUO - INDIRECT	4882	5483	6254	7196	8275	9056	9069	9809	10263	10982	12141	13054



APPENDIX VII: GOVERNMENT TRANSFER PAYMENTS TO PERSONS, 1961 - 1989, (\$ MILLIONS)

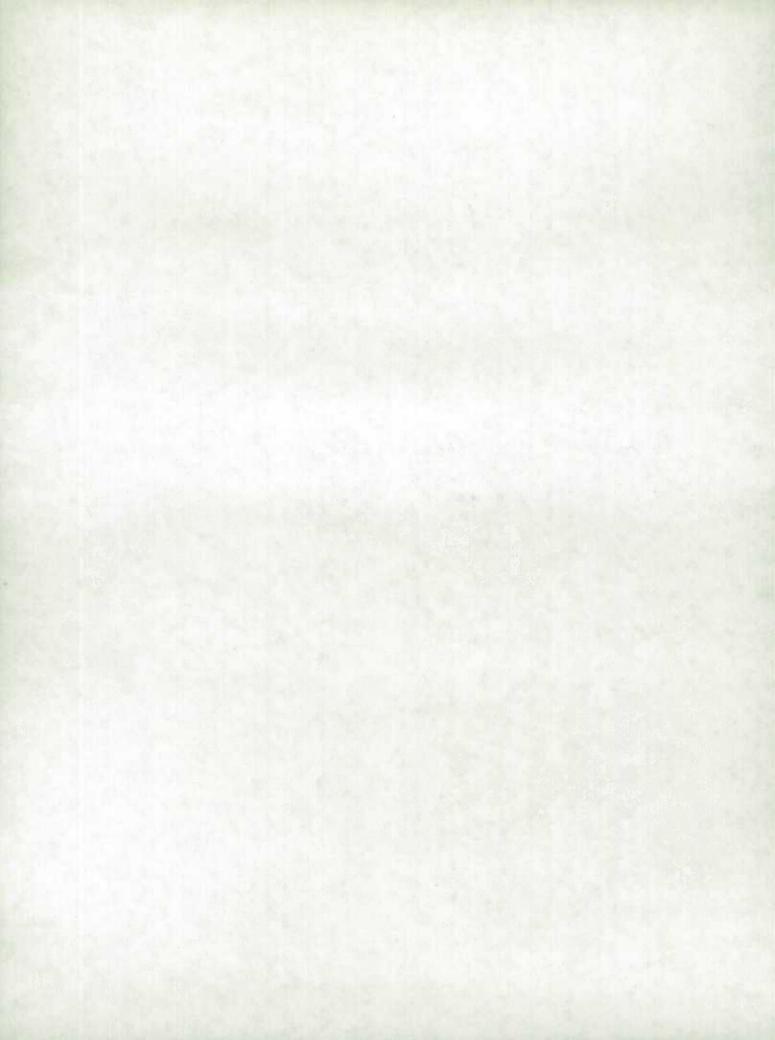
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1978 1979 1980 1981 1982 1983 1984 1985 1986 1987 1988 1989

C. GRANT

1. FEOERAL

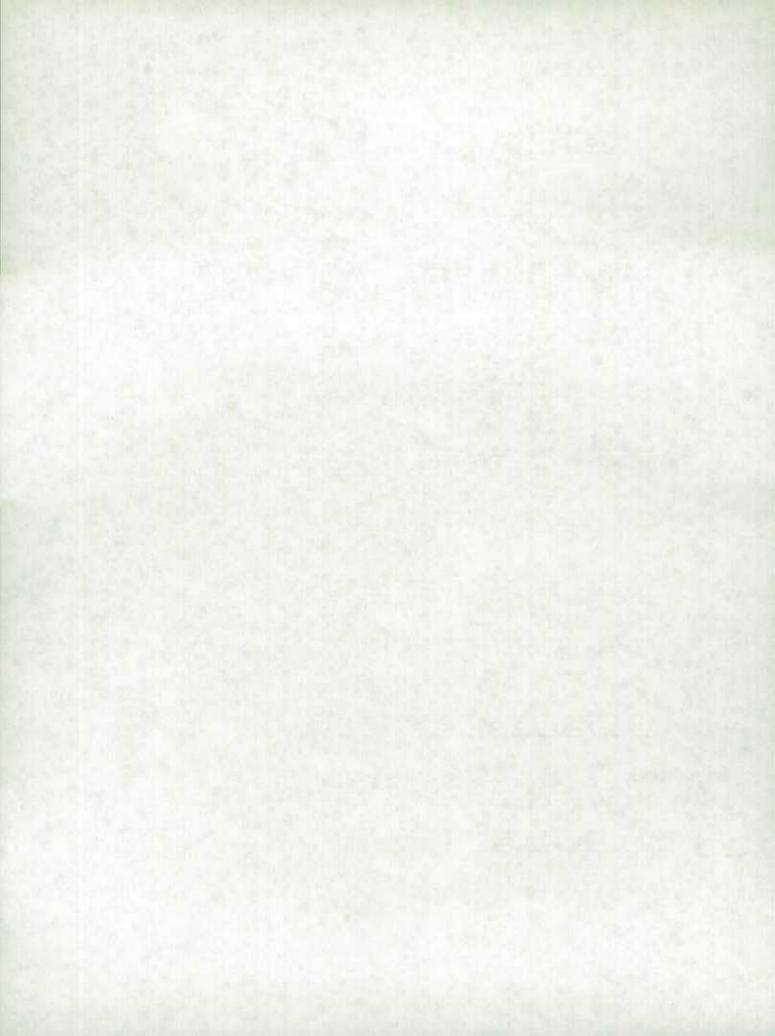
1. FEOERAL														
	JTH ALLOWANCES	2224	1696	1812	1958	2204	2303	2393	2492	2524	2552	2595	2632	
	URITY PAYMENTS	5238	6085	7020	8213	9304	10137	10999	12150	13148	14006	14801	15718	
	CANADA COUNCIL	50	43	44	50	59	65	70	72	81	87	84	80	
	8 & GRANTS - RESEARCH	164	170	210	273	330	377	442	459	492	495	521	554	
	ATIONAL TRAINING PAYMENTS	141	77	91	97	97	100	103	132	63	0	0	0	
flassistance 1		2	12	27	26	26	24	0	0	0	0	0	0	
	ASSISTANCE ACT	0	0	0	0	0	0	0	0	0	0	0	0	
	WESTERN GRAIN PRODUCERS	0	0	0	0	0	0	0	0	0	0	0	0	
ASSISTANCE F	PROGRAMS	48	52	72	80	112	153	173	207	0	0	0	0	
j)MISCELLANEOU	JS	485	405	480	410	486	1055	1631	1572	1462	1411	1582	1369	
k) SUB-TOTAL FE	DERAL	8352	8540	9756	11107	12618	14214	15811	17084	17770	18551	19583	20353	
2.PROVINCIAL														
aldirect Relie	F	1762	1941	2214	2617	3313	4077	4509	4888	5120	5371	5636	5986	
bIOLO AGE & BL	IND PENSIONS	309	294	565	615	649	663	673	706	727	814	834	857	
c)MOTHERS & DI	SABLED PERSONS ALLOMANCE	89	107	116	151	173	204	254	265	295	310	310	319	
d)MISCELLANEOU	S	506	638	788	904	957	1047	1249	1501	1642	1727	1834	1728	
e I SUB-TOTAL PR	OVINCIAL	2666	2980	3683	4287	5092	5991	6685	7360	7784	8222	8614	8890	
3. MUNICIPAL														
aldirect Relie	F	307	337	394	443	532	666	726	773	865	961	1055	1156	
4. SUB-TOTAL GR	ANT	11325	11857	13833	15837	18242	20871	23222	25217	26419	27734	29252	30399	
D. TOTAL TRANSFER	PAYMENTS TO PERSONS	25000	26435	30466	34958	43629	49947	53536	57995	61596	66257	71305	75901	



PART A. \$MILLIONS

(Source: National Income & Expenditure Accounts, Annual Estimates 1926–1986, Statistics Canada Catalogue 13–531, Tables 2 & 43, with revisions for 1982–1989, Tables 2 & 44)

			N GOODS & SER										
	CURRENT					SUB-	TO PERSONAL	TO BUSINESS	TO	INTEREST ON PUBLIC		TOTAL GOVERNMENT SPENOING	GROSS DOMESTIC PRODUCT
1961	6166	1674	8	7848	2724	370	77	1184	4355	12203	40886		
1962	6567	1903	-3	8467	2928	436	60	1316	4740	13207	44408		
1963	6923	1985	-12	8896	3000	527	89	1431	5047	13943	47678		
1964	7526	2023	-55	9494	3200	581	95	1546	5422	14916	52191		
1965	8269	2440	-10	10699	3429	608	119	1676	5832	16531	57523		
1966	9643	2841	1	12485	3759	765	195	1862	6581	19066	64388		
1967	11092	2954	28	14074	4678	790	217	2080	7765	21839	69064		
1968	12685	2983	30	15698	5461	803	170	2390	8824	24522	75418		
1969	14186	3055	6	17247	6119	918	185	2767	9989		83026		
1970	16448	3173	-13	19608	6981	1003		3252	11480	31088	89116		
1971	18228	3745	-40	21933	8272	1139	249	3622	13282	35215	97290		
1972	20136	3952	16	24104	9935	1297	279	4137	15648	39752	108629		
1973	22851	4270	-15	27106	11213	1591	318	4788	17910	45016	127372		
1974	27480	5410	26	32916	13858	3177	407	5425	22867	55783	152111		
1975	33266	6243	31	39540	17054	4730	592	6538	28914	68454	171540		
1976	38274	6245	41	44560	19464	4309	542	8101	32416	76976	197924		
1977	43411	6741	43	50195	22191	4567	638	9268	36664	86859	217879		
1978	47386	7083	58	54527	25000	4797	1013	11589	42399	96926	241604		
1979	52286	7339	60	59685	26435	6306	767	13810	47318	107003	276096		
1980	59250	8223	69	67542	30466	9310	817	16790	57383	124925	309891		
1981	68792	9447	-205	78034	34958	10730	875	22268	68831	146865	355994		
1982	78655	10519	69	89243	43629	12508	1063	27072	84272	173515	374442		
1983	84571	10395	-45	94921	49947	14675	1194	29419	95235	190156	405717		
1984	89089	11390	20	100499	53536	16372	1571	34752	106231	206730	444735		
1985	95519	12886	-64	108341	57995	15405	1643	40183	115226	223567	477988		
1986	100129	12567	-35	112661	61596	14119	1795	42754	120264	232925	505666		
1987	106099	12910	-38	118971	66257	15179	2169	45965	129570	248541	551336		
1988	113295	13704	64	127063	71305	13955	2444	50847	138551	265614	603356		
1989	121242	15283	-3	136522	75901	14010	2340	57718	149969	286491	651616		

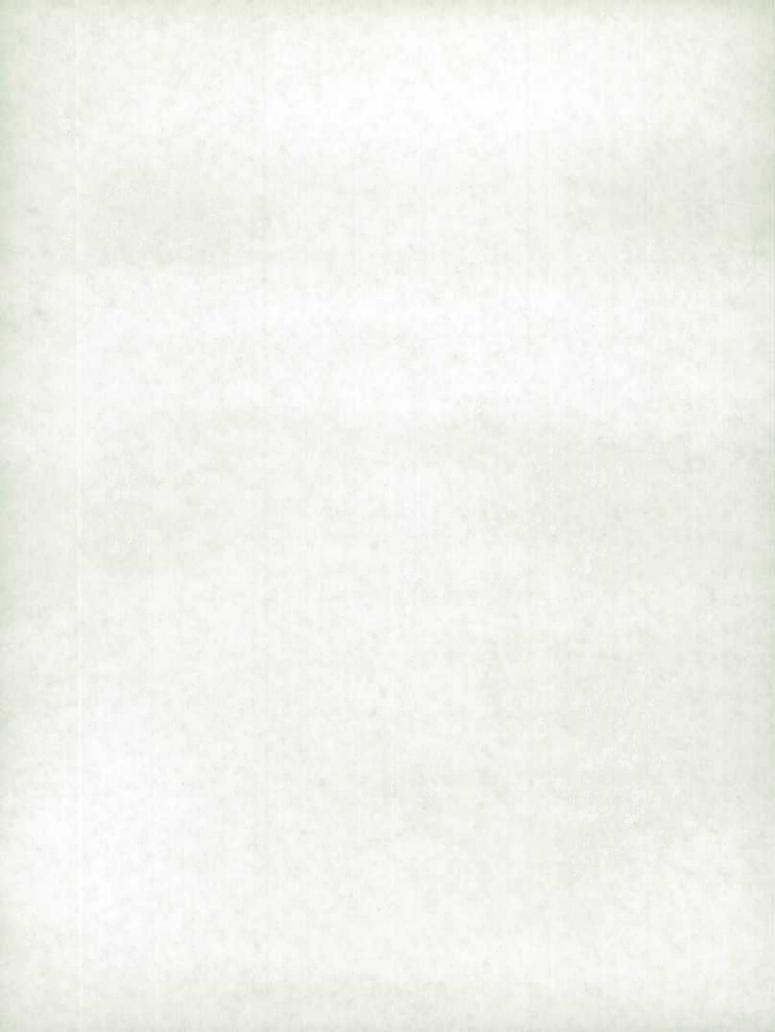


PART B. PERCENTAGE DISTRIBUTION

EXPENDITURES ON GOODS & SERVICES

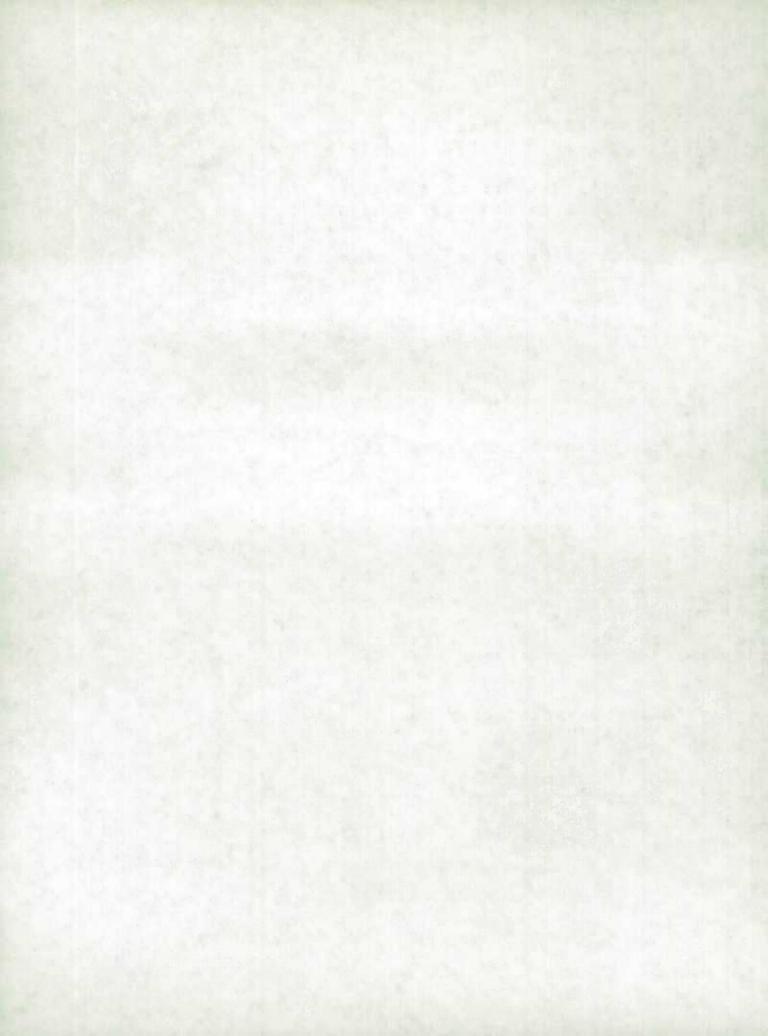
TRANSFER PAYMENTS

	!		N GOODS & SER							
	CURRENT		INVENTORIES	SUB- TOTAL	TO PERSONAL SECTOR	TO BUSINESS SECTOR	TO	INTEREST ON PUBLIC	SUB- TOTAL	TOTAL GOVERNMENT SPENDING
1961	50.53	13.72	0.07	64.31	22.32	3.03	0.63	9.70	35.69	100.00
1962	49.72	14.41	-0.02	64.11	22.17	3.30	0.45	9.96	35.89	100.00
1963	49.65	14.24	-0.09	63.80	21.52	3.78	0.64	10.26	36.20	100.00
1964	50.46	13.56	-0.37	63.65	21.45	3.90	0.64	10.36	36.35	100.00
1965	50.02	14.76	-0.06	64.72	20.74	3.68	0.72	10.14	35.28	100.00
1966	50.58	14.90	0.01	65.48	19.72	4.01	1.02	9.77	34.52	100.00
1967	50.79	13.53	0.13	64.44	21.42	3.62	0.99	9.52	35.56	100.00
1968	51.73	12.16	0.12	64.02	22.27	3.27	0.69	9.75	35.98	100.00
1969	52.09	11.22	0.02	63.32	22.47	3.37	0.68	10.16	36.68	100.00
1970	52.91	10.21	-0.04	63.07	22.46	3.23	0.78	10.46	36.93	100.00
1971	51.76	10.63	-0.11	62.28	23.49	3.23	0.71	10.29	37.72	100.00
1972	50.65	9.94	0.04	60.64	24.99	3.26	0.70	10.41	39.36	100.00
1973	50.76	9.49	-0.03	60.21	24.91	3.53	0.71	10.64	39.79	100.00
1974	49.26	9.70	0.05	59.01	24.84	5.70	0.73	9.73	40.99	100.00
1975	48.60	9.12	0.05	57.76	24.91	6.91	0.86	9.55	42.24	100.00
1976	49.72	8.11	0.05	57.89	25.29	5.60	0.70	10.52	42.11	100.00
1977	49.98	7.76	0.05	57.79	25.55	5.26	0.73	10.67	42.21	100.00
1978	48.89	7.31	0.06	56.26	25.79	4.95	1.05	11.96	43.74	100.00
1979	48.86	6.86	0.06	55.78	24.70	5.89	0.72	12.91	44.22	100.00
1980	47.43	6.58	0.06	54.07	24.39	7.45	0.65	13.44	45.93	100.00
1981	46.84	6.43	-0.14	53.13	23.80	7.31	0.60	15.16	46.87	100.00
1982	45.33	6.06	0.04	51.43	25.14	7.21	0.61	15.60	48.57	100.00
1983	44.47	5.47	-0.02	49.92	26.27	7.72	0.63	15.47	50.08	100.00
1984	43.09	5.51	0.01	48.61	25,90	7.92	0.76	16.81	51.39	100.00
1985	42.72	5.76	-0.03	48.46	25.94	6.89	0.73	17.97	51.54	100.00
1986	42.99	5.40	-0.02	48.37	26.44	6.06	0.77	18.36	51.63	100.00
1987	42.69	5.19	-0.02	47.87	26.66	6.11	0.87	18.49	52.13	100.00
1988	42.65	5.16	0.02	47.84	26.85	5.25	0.92	19.14	52.16	100.00
1989	42.32	5.33	0.00	47.65	26.49	4.89	0.82	20.15	52.35	100.00



EXPENDITURES ON GOODS & SERVICES TRANSFER PAYMENTS

SUB-TO TO TO INTEREST SUB-TOTAL CURRENT CAPITAL INVENTORIES TOTAL NON- ON PUBLIC PERSONAL BUSINESS TOTAL GOVERNMENT DOMESTIC SECTOR SECTOR RESIDENTS DEBT SPENDING PRODUCT 1961 15.08 4.09 0.02 19.19 6.66 0.90 0.19 2.90 10.65 29.85 100.00 1962 14.79 4.29 -0.01 19.07 6.59 0.98 0.14 2.96 10.67 29.74 100.00 1963 14.52 4.16 -0.03 18.66 6.29 1.11 0.19 3.00 10.59 29.24 100.00 1964 14.42 3.88 -0.11 18.19 6.13 1.11 0.18 2.96 10.39 28.58 100.00 1965 14.38 4.24 -0.02 18.60 5.96 1.06 0.21 2.91 10.14 28.74 100.00 1966 14.98 4.41 0.00 19.39 5.84 1.19 0.30 2.89 10.22 29.61 100.00 1967 16.06 4.28 0.04 20.38 6.77 1.14 0.31 3.01 11.24 31.62 100.00 1968 16.82 3.96 0.04 20.81 7.24 1.06 0.23 3.17 11.70 32.51 100.00 1969 17.09 3.68 0.01 20.77 7.37 1.11 0.22 3.33 12.03 32.80 100.00 1970 18.46 3.56 -0.01 22.00 7.83 1.13 0.27 3.65 12.88 34.88 100.00 1971 18.74 3.85 -0.04 22.54 8.50 1.17 0.26 3.72 13.65 36.20 100.00 1972 18.54 3.64 0.01 22.19 9.15 1.19 0.26 3.81 14.40 36.59 100.00 1973 17.94 3.35 -0.01 21.28 8.80 1.25 0.25 3.76 14.06 35.34 100.00 1974 18.07 3.56 0.02 21.64 9.11 2.09 0.27 3.57 15.03 36.67 100.00 1975 19,39 3.64 0.02 23.05 9.94 2.76 0.35 3.81 16.86 39.91 100.00 1976 19.34 3.16 0.02 22.51 9.83 2.18 0.27 4.09 16.38 38.89 100.00 1977 19.92 3.09 23.04 0.02 10.19 2.10 0.29 4.25 16.83 39.87 100.00 1978 19.61 2.93 0.02 22.57 10.35 1.99 0.42 4.80 17.55 40.12 100.00 1979 18,94 2.66 0.02 21.62 9.57 2.28 0.28 5.00 17.14 38.76 100.00 1980 19.12 2.65 0.02 21.80 9.83 3.00 0.26 5.42 18.52 40.31 100.00 1981 19.32 2.65 -0.06 21.92 9.82 3.01 0.25 6.26 19.33 41.25 100.00 1982 21.01 2.81 0.02 23.83 11.65 3.34 0.28 7.23 22.51 46.34 100.00 1983 20.84 2.56 -0.01 23.40 12.31 3.62 0.29 7.25 23.47 46.87 100.00 1984 20.03 2.56 0.00 22.60 12.04 3.68 0.35 7.81 23.89 46.48 100.00 1985 19.98 2.70 -0.01 22.67 12.13 3.22 0.34 8.41 24.11 46.77 100.00 1986 19.80 2.49 -0.01 22.28 12.18 2.79 0.35 8.45 46.06 23.78 100.00 1987 19.24 2.34 -0.01 21.58 12.02 2.75 0.39 8.34 23.50 45.08 100.00 1988 18.78 2.27 0.01 21.06 11.82 2.31 0.41 8.43 22.96 44.02 100.00 1989 18.61 2.35 0.00 20.95 11.65 2.15 0.36 8.86 23.01 43.97 100.00



1989

136522 32448 13054 30399 75901 14010

## TRANSFER PAYMENTS

		:									:		
			RECLASSIFIED PERSONAL SECTOR				RECLASSIFIED NON-RESIDENT SECTOR						
	PENDITURES ON GOODS	TRUST FUND	QUID PRO	GRANT	SUB-	TO BUSINESS	TRUST		SUB-	INTEREST ON PUBLIC	TOTAL TRANSFER	TOTAL GOVERNMENT	GROSS DOMESTIC
8	SERVICES	TYPE	900			SECTOR	TYPE			DEBT	PAYMENTS	SPENDING	PRODUCT
1961	7848	910	308	1506	2724	370	21	56	77	1184	4355	12203	40886
1962	8467	861	350	1717	2928	436	24	36	60		4740	13207	44408
1963	8896	863	385	1752	3000	527	24	65	89		5047	13943	47678
1964	9494	857	418	1925	3200	581	26	69	95		5422	14916	52191
1965	10699	877	528	2024	3429	608	26	93	119		5832	16531	57523
1966	12485	905	617	2237	3759	765	29	166	195		6581	19066	64388
1967	14074	993	909	2776	4678	790	35	182	217		7765	21839	69064
1968	15698	1152	1009	3300	5461	803	37	133	170	2390	8824	24522	75418
1969	17247	1300	1164	3655	6119	918	41	144	185	2767	9989	27236	83026
1970	19608	1619	1348	4014	6981	1003	43	201	244	3252	11480	31088	89116
1971	21933	1934	1650	4688	8272	1139	48	201	249	3622	13282	35215	97290
1972	24104	3117	2044	4774	9935	1297	52	227	279	4137	15648	39752	108629
1973	27106	3522	2285	5406	11213	1591	65	253	318	4788	17910	45016	127372
1974	32916	3955	2637	7266	13858	3177	75	332	407	5425	22867	55783	152111
1975	39540	5495	3291	8268	17054	4730	79	513	592	6538	28914	68454	171540
1976	44560	6336	4022	9106	19464	4309	87	455	542	8101	32416	76976	197924
1977	50195	7452	4597	10142	22191	4567	95	543	638	9268	36664	86859	217879
1978	54527	8793	4882	11325	25000	4797	103	910	1013	11589	42399	96926	241604
1979	59685	9095	5483	11857	26435	6306	122	645	767	13810	47318	107003	276096
1980	67542	10379	6254	13833	30466	9310	137	680	817	16790	57383	124925	309891
1981	78034	11925	7196	15837	34958	10730	157	718	875	22268	68831	146865	355994
1982	89243	17112	8275	18242	43629	12508	184	879	1063	27072	84272	173515	374442
1983	94921	20020	9056	20871	49947	14675	211	983	1194	29419	95235	190156	405717
1984	100499	21245	9069	23222	53536	16372	227	1344	1571	34752	106231	206730	444735
1985	108341	22969	9809	25217	57995	15405	247	1396	1643	40183	115226	223567	477988
1986	112661	24914	10263	26419	61596	14119	270	1525	1795		120264	232925	505666
1987	118971	27541	10982	27734	66257	15179	295	1874	2169		129570	248541	551336
1988	127063	29912	12141	29252	71305	13955	318	2126	2444		138551	265614	603356
										m m = 1 m			

344 1996

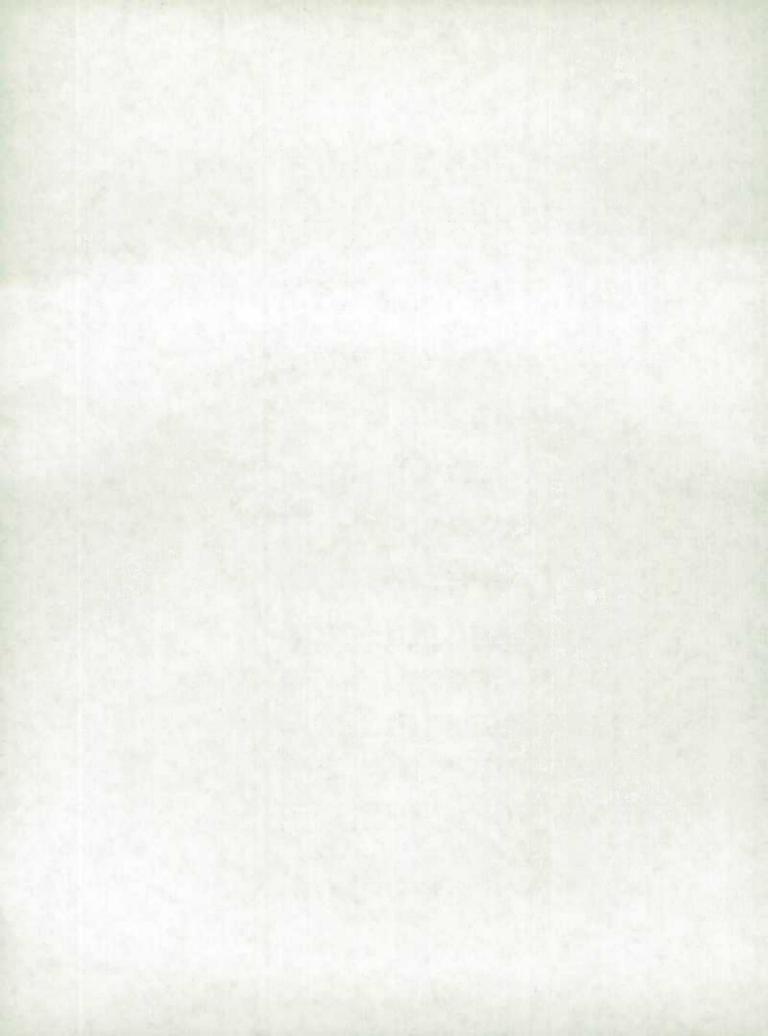
2340

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286491

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4.81 12.08 24.91

5.23 11.83 25.29

5.29 11.68 25.55

5.04 11.68 25.79

5.12 11.08 24.70

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4.90 10.78 23.80

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## TRANSFER PAYMENTS

RECLASSIFIED RECLASSIFIED PERSONAL SECTOR NON-RESIDENT SECTOR SUB-EXPENDITURES TRUST QUID GRANT SUB- TO TRUST GRANT SUB- INTEREST TOTAL TOTAL BUSINESS TOTAL ON PUBLIC TRANSFER GOVERNMENT ON GOODS FUND PRO FUND & SERVICES TYPE 900 SECTOR TYPE DEBT PAYMENTS SPENDING 9.70 1961 64.31 7.46 2.52 12.34 22.32 3,03 0.17 0.46 0.63 35.69 100.00 9.96 1962 64.11 6.52 2.65 13.00 22.17 3.30 0.18 0.27 0.45 35.89 100.00 1963 63.80 6.19 2.76 12.57 21.52 3.78 0.17 0.47 0.64 10.26 36.20 100.00 1964 63.65 5.75 2.80 12.91 21.45 3.90 0.17 0.46 0.64 10.36 36.35 100.00 1965 64.72 5.31 3.19 12.24 20.74 3.68 0.16 0.56 0.72 10.14 35.28 100.00 1966 65.48 4.75 3.24 11.73 19.72 4.01 0.15 0.87 1.02 9.77 34.52 100.00 1967 9.52 64.44 4.55 4.16 12.71 21.42 3.62 0.16 0.83 0.99 35.56 100.00 1968 64.02 4.70 4.11 13.46 22.27 3.27 0.15 0.54 0.69 9.75 35.98 100.00 1969 63.32 4.77 4.27 13.42 22.47 3.37 0.15 0.53 0.68 10.16 36.68 100.00 10.46 36.93 100.00 1970 63.07 5.21 4.34 12.91 22.46 3.23 0.14 0.65 0.78 1971 62.28 5.49 4.69 13.31 23.49 3.23 0.14 0.57 0.71 10.29 37.72 100.00 1972 5.14 12.01 24.99 3.26 0.13 0.57 0.70 10.41 39.36 100.00 60.64 7.84 5.08 12.01 24.91 39.79 1973 60.21 7.82 3.53 0.14 0.56 0.71 10.64 100.00

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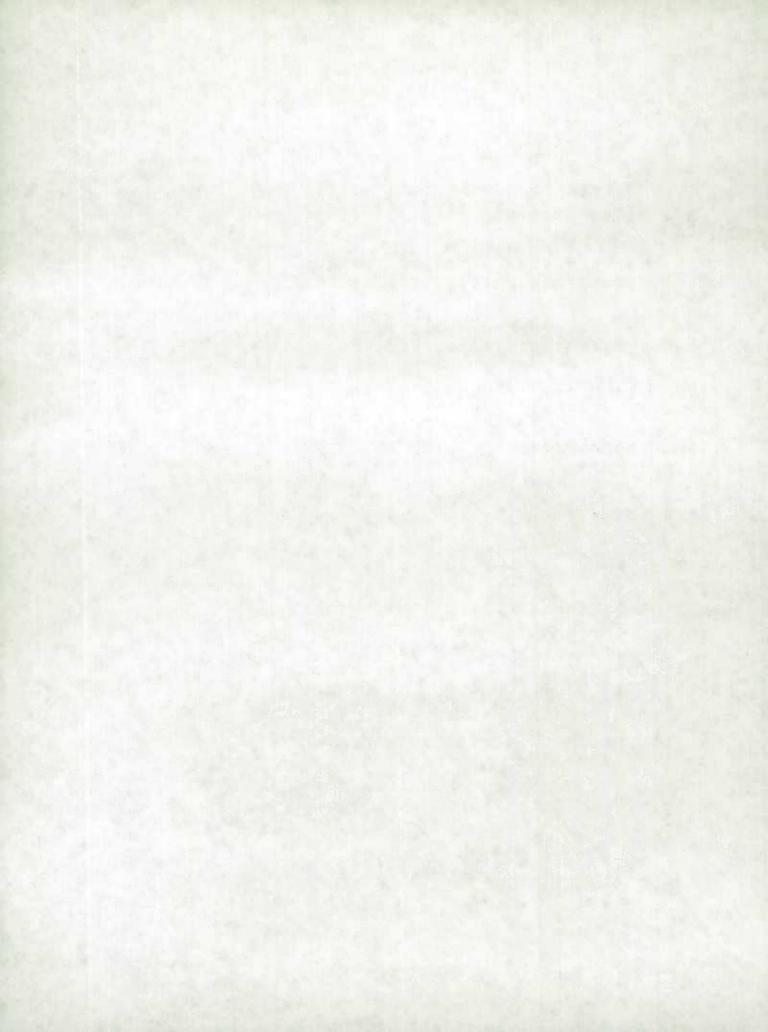
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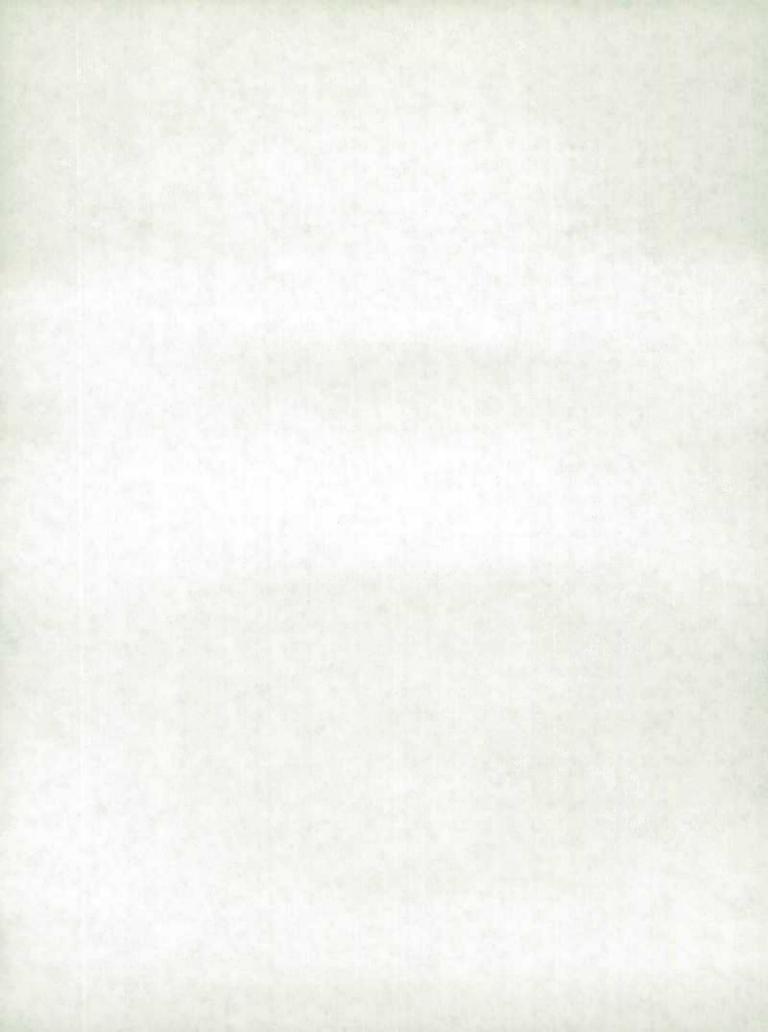
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## TRANSFER PAYMENTS

RECLASSIFIED RECLASSIFIED PERSONAL SECTOR NON-RESIDENT SECTOR SUB-QUID GRANT SUB- TO TRUST EXPENDITURES TRUST GRANT SUB- INTEREST TOTAL TOTAL GROSS ON GOODS FUND PRO TOTAL BUSINESS FUND TOTAL ON PUBLIC TRANSFER GOVERNMENT DOMESTIC & SERVICES TYPE QUO SECTOR TYPE DEBT PAYMENTS SPENDING PRODUCT 1961 19.19 2.23 0.75 3.68 0.90 0.05 6.66 0.14 0.19 2.90 10.65 29.85 100.00 1962 19.07 1.94 0.79 3.87 6.59 0.98 100.00 0.05 0.08 0.14 2.96 10.67 29.74 1963 18.66 1.81 0.81 3.67 6.29 1.11 0.05 0.14 0.19 3.00 10.59 29.24 100.00 1964 18.19 1.64 0.80 3.69 6.13 1.11 0.05 0.13 0.18 2.96 10.39 28.58 100.00 1965 18.60 1.52 0.92 3.52 5.96 1.06 0.05 0.16 0.21 2.91 10.14 28.74 100.00 1966 19.39 1.41 0.96 3.47 5.84 1.19 0.05 0.26 0.30 2.89 10.22 29.61 100.00 1967 20.38 1.44 1.32 4.02 6.77 1.14 0.05 0.26 0.31 3.01 11.24 31.62 100.00 1968 20.81 1.53 1.34 4.38 7.24 1.06 0.05 0.18 0.23 3.17 11.70 32.51 100.00 1969 20.77 1.57 1.40 4.40 7.37 1.11 0.05 0.17 0.22 3.33 12.03 32.80 100.00 1970 22.00 1.82 1.51 4.50 7.83 1.13 0.05 0.23 0.27 3.65 12.88 34.88 100.00 1971 22.54 1.99 1.70 4.82 8.50 1.17 0.05 0.21 0.26 3.72 13.65 36.20 100.00 1972 22.19 2.87 1.88 4.39 9.15 1.19 0.05 0.21 0.26 3.81 14.40 36.59 100.00 1973 21.28 2.77 1.79 4.24 8.80 1.25 0.05 0.20 0.25 3.76 14.06 35.34 100.00 1974 21.64 2.60 1.73 4.78 9.11 2.09 0.05 0.27 3.57 15.03 0.22 36.67 100.00 1975 3.20 23.05 1.92 4.82 9.94 2.76 0.05 0.30 0.35 3.81 16.86 39.91 100.00 1976 22.51 3.20 2.03 4.60 9.83 2.18 0.04 0.23 0.27 4.09 16.38 38.89 100.00 1977 23.04 3.42 2.11 4.65 10.19 2.10 0.04 0.25 0.29 4.25 16.83 39.87 100.00 1978 22.57 3.64 2.02 4.69 10.35 1.99 0.38 0.04 0.42 4.80 17.55 40.12 100.00 1979 4.29 21.62 3.29 1.99 9.57 2.28 0.04 0.23 0.28 5.00 17.14 38.76 100.00 1980 21.80 3.35 2.02 4.46 9.83 3.00 0.04 0.22 0.26 5.42 18.52 40.31 100.00 3.35 1981 21.92 2.02 4.45 9.82 3.01 0.04 0.20 0.25 6.26 19.33 41.25 100.00 1982 23.83 4.57 2.21 4.87 11.65 3.34 0.23 0.05 0.28 7.23 22.51 46.34 100.00 1983 23.40 4.93 2.23 5.14 12.31 0.05 0.24 0.29 7.25 23.47 3.62 46.87 100.00 1984 22.60 4.78 2.04 5.22 12.04 3.68 0.05 0.30 0.35 7.81 23.89 46.48 100.00 1985 22.67 4.81 2.05 5.28 12.13 3.22 0.05 0.29 0.34 8.41 24.11 46.77 100.00 1986 22.28 4.93 2.03 5.22 12.18 2.79 0.30 0.35 8,45 23.78 46.06 0.05 100.00 1987 21.58 5.00 1.99 5.03 12.02 2.75 0.05 0.34 0.39 8.34 23.50 45.08 100.00 1988 21.06 4.96 2.01 4.85 11.82 2.31 0.05 0.35 0.41 8.43 22.96 44.02 100.00



PUBLISHED

TRANSFER EXPENDITURES

ADJUSTED

GOODS &

SERVICES

EXPENDITURES ON GOODS & SERVICES

**PAYMENTS** 

PERSONAL

QUID PRD QUO

	PRODUCT PRODUCT	ADJUSTED GOVERNMENT	TRANSFER PAYMENTS	ON PUBLIC DEBT	(GRANT)	RESIDENT	SECTOR
		SPENDING				(GRANT)	
	40886	11272	3116	1184	1932	56	370
3	44408	12322	3505	1316	2189	36	436
3	47678	13056	3775	1431	2344	65	527
	52191	14033	4121	1546	2575	69	581
5	57523	15628	4401	1676	2725	93	608
3	64388	18132	5030	1862	3168	166	765
	69064	20811	5828	2080	3748	182	790
3	75418	23333	6626	2390	4236	133	803
5	83026	25895	7484	2767	4717	144	918
5	89116	29426	8470	3252	5218	201	1003
)	97290	33233	9650	3622	6028	201	1139
9	108629	36583	10435	4137	6298	227	1297
2	127372	41429	12038	4788	7250	253	1591

TOTAL

SUB - INTEREST

TOTAL

GROSS

TRANSFER PAYMENTS

NON-

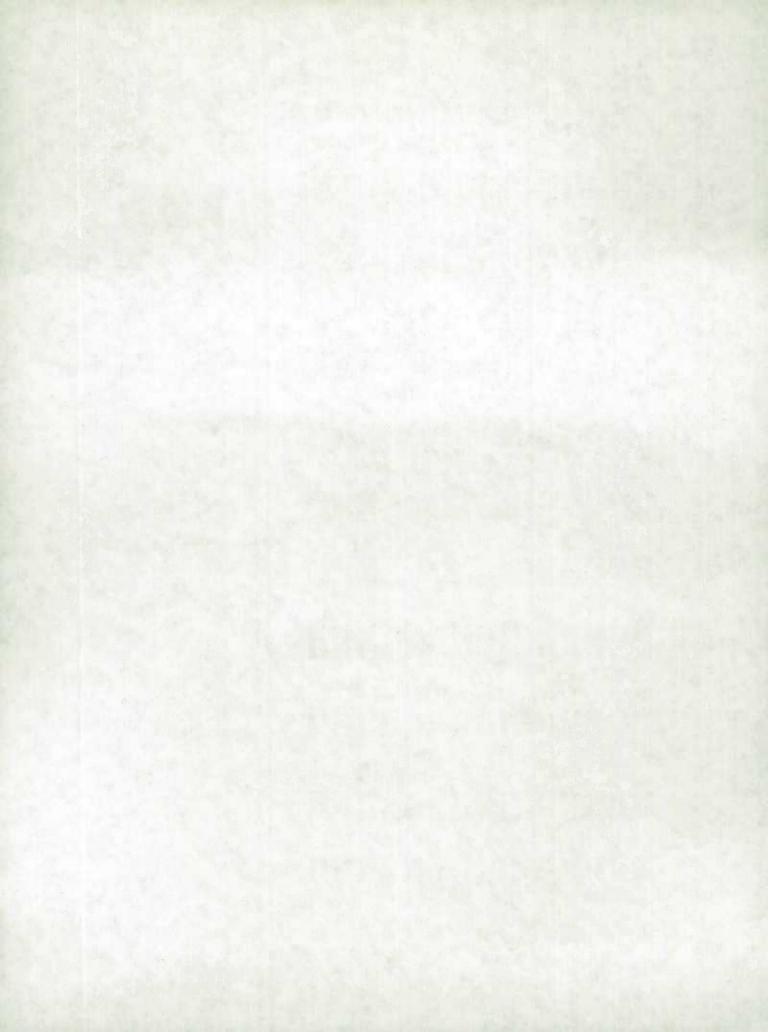
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PERSONAL BUSINESS

SECTOR

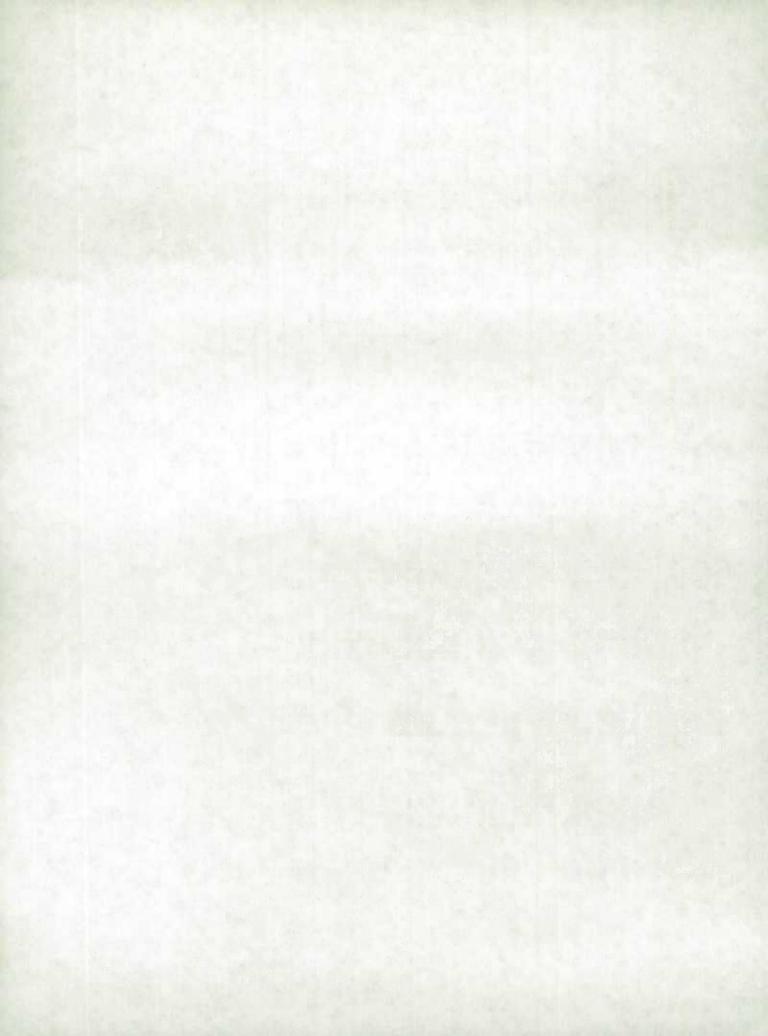
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## EXPENDITURES ON GOODS & SERVICES TRANSFER PAYMENTS

		JRES ON GOODS		TRANSFER PAYMENTS									
		QUID PRO QUO	ADJUSTED EXPENDITURES GOODS &	PERSONAL SECTOR (GRANT)		NON- RESIDENT SECTOR (GRANT)	SUB- TOTAL (GRANT)		TOTAL TRANSFER	TOTAL ADJUSTED			
1961	69.62	2.73	72.36	13.36	3.28	0.50	17.14	10.50	27.64	100.00			
1962	68.71	2.84	71.55	13.93	3.54	0.29	17.76		28.45	100.00			
1963	68.14	2.95		13.42	4.04	0.50	17.95		28.91	100.00			
1964	67.65	2.98	70.63	13.72	4.14	0.49	18.35	11.02	29.37	100.00			
1965	68.46	3.38	71.84	12.95	3.89	0.60	17.44	10.72	28.16	100.00			
1966	68.86	3.40	72.26	12.34	4.22	0.92	17.47	10.27	27.74	100.00			
1967	67.63	4.37	72.00	13.34	3.80	0.87	18.01	9.99	28.00	100.00			
1968	67.28	4.32	71.60	14.14	3.44	0.57	18.15	10.24	28.40	100.00			
1969	66.60	4.50	71.10	14, 11	3.55	0.56	18.22	10.69	28.90	100.00			
1970	66.63	4.58	71.22	13.64	3.41	0.68	17.73	11.05	28.78	100.00			
1971	66.00	4.96	70.96	14.11	3.43	0.60	18.14	10.90	29.04	100.00			
1972	65.89	5.59	71.48	13.05	3.55	0.62	17.22	11.31	28.52	100.00			
1973	65.43	5.52	70.94	13.05	3.84	0.61	17.50	11.56	29.06	100.00			
1974	63.60	5.10	68.70	14.04	6.14	0.64	20.82	10.48	31.30	100.00			
1975	62.88	5.23	68.12	13.15	7.52	0.82	21.49	10.40	31.88	100.00			
1976	63.16	5.70	68.86	12.91	6.11	0.64	19.66	11.48	31.14	100.00			
1977	63.29	5.80	69.08	12.79	5.76	0.68	19.23	11.69	30.92	100.00			
1978	61.94	5.55	67.49	12.86	5.45	1.03	19.35	13.16	32.51	100.00			
1979	61.04	5.61	66.64	12.13	6.45	0.66	19.23	14.12	33.36	100.00			
1980	59.04	5.47	64.50	12.09	8.14	0.59	20.82	14.68	35.50	100.00			
1981	57.90	5.34	63.23	11.75	7.96	0.53	20.24	16.52	36.77	100.00			
1982	57.13	5.30	62.42	11.68	8.01	0.56	20.25	17.33	37.58	100.00			
1983	55.86	5.33	61.19	12.28	8.64	0.58	21.50	17.31	38.81	100.00			
1984	54.25	4.90	59.14	12.53	8.84	0.73	22.10	18.76	40.86	100.00			
1985	54.08	4.90	58.97	12.59	7.69	0.70	20.97	20.06	41.03	100.00			
1986	54.23	4.94	59.17	12.72	6.80	0.73	20.25	20.58	40.83	100.00			
1987	53.90	4.98	58.88	12.57	6.88	0.85	20.29	20.83	41.12	100.00			
1988	53.98	5.16	59.14	12.43	5.93	0.90	19.26	21.60	40.86	100.00			
1989	53.81	5.15	58.96	11.98	5.52	0.79	18.29	22.75	41.04	100.00			



	EXPENDITURES ON GOODS & SERVICES											
	PUBLISHED	QUID PRO QUO TRANSFER PAYMENTS	ADJUSTED EXPENDITURES		BUSINESS SECTOR	NON-		INTEREST ON PUBLIC	TRANSFER	TOTAL ADJUSTED	GROSS DOMESTIC PRODUCT	
1961	19.19	0.75	19.95	3.68	0.90	0.14	4.73	2.90	7.62	27.57	100.00	
1962	19.07	0.79	19.85	3.87	0.98	0.08	4.93		7.89		100.00	
1963	18.66	0.81	19.47	3.67	1.11		4,92		7.92		100.00	
1964	18.19	0.80	18.99	3.69	1,11	0.13	4.93		7.90	26.89	100.00	
1965	18.60	0.92	19.52	3.52		0.16	4.74		7.65	27.17	100.00	
1966	19.39	0.96	20.35	3.47	1.19	0.26	4.92		7.81		100.00	
1967	20.38	1.32	21.69	4.02	1.14	0.26	5.43				100.00	
1968	20.81	1.34	22.15	4.38	1.06	0.18	5.62	3, 17	8.79	30.94	100.00	
1969	20.77	1.40	22.17	4.40	1.11	0.17	5.68	3.33	9.01	31.19	100.00	
1970	22.00	1.51	23.52	4.50	1.13	0.23	5.86	3.65	9.50	33.02	100.00	
1971	22.54	1.70	24.24	4.82	1.17	0.21	6.20		9.92	34.16	100.00	
1972	22.19	1.88	24.07	4.39	1.19	0.21	5.80	3.81	9.61	33.68	100.00	
1973	21.28	1.79	23.07	4.24	1.25	0.20	5.69	3.76	9.45	32.53	100.00	
1974	21.64	1.73	23.37	4.78	2.09	0.22	7.08	3,57	10.65	34.02	100.00	
1975	23.05	1.92	24.97	4.82	2.76	0.30	7.88	3.81	11.69	36.66	100.00	
1976	22.51	2.03	24.55	4.60	2.18	0.23	7.01	4.09		35.65	100.00	
1977	23.04	2.11	25.15	4.65	2.10	0.25	7.00	4.25	11.25	36.40	100.00	
1978	22.57	2.02	24.59	4.69	1.99	0.38	7.05	4.80	11.85	36.44	100.00	
1979	21.62	1.99	23.60	4.29	2.28	0.23	6.81	5.00	11.81	35.42	100.00	
1980	21.80	2.02	23.81	4.46	3.00	0.22	7.69	5.42	13.11	36.92	100.00	
1981	21.92	2.02	23.94	4.45	3.01	0.20	7.66	6.26	13.92	37.86	100.00	
1982	23.83	2.21	26.04	4.87	3.34	0.23	8.45	7.23	15.68	41.72	100.00	
1983	23.40	2.23	25.63	5.14	3.62	0.24	9.00	7.25	16.25	41.88	100.00	
1984	22.60	2.04	24.64	5.22	3.68	0.30	9.21	7.81	17.02	41.66	100.00	
1985	22.67	2.05	24.72	5.28	3.22	0.29	8.79	8.41	17.20		100.00	
1986	22.28	2.03	24.31	5.22	2.79	0.30	8.32	8.45	16.77		100.00	
1987	21.58	1.99	23.57	5.03	2.75	0.34	8.12	8.34	16.46	40.03		
1988	21.06	2.01	23.07	4.85	2.31	0.35	7.51		15.94	39.01	100.00	
1989	20.95	2.00	22.95	4.67	2.15	0.31	7.12		15.98	38.93		



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