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## The changing contours of government

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**The Changing Contours of Government**

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## **ABSTRACT**

This paper examines the development of general government finance and employment within fifteen industrialized democracies during the post-World War II era. Annual time series, extending, where possible, from 1950 through 1988, are analyzed (as well as detailed in the appendix to the paper). Using a variety of accounting schemes, the changing contours of government's control over economic resources are described. It is pointed out that while the growth in government spending relative to GDP has slowed down during the 1980's, the general inability or unwillingness to accelerate the growth in revenues has led in many cases to a significant increase in public debt. This has been accompanied by a squeeze on many spending items, particularly in the area of investment, as interest payments on the debt absorb more and more funds. While growth in government employment has continued, though at a slower pace than in the decades of the '60's and '70's, there has been some marked progress in bringing the cost of public employment into line with what is occurring in the private sector. This latter development is symptomatic of the convergence in price movements that has occurred; during the last decade or so governments have not continued to leap ahead of the private sector, particularly households, in terms of rising costs.

## **ZUSAMMENFASSUNG**

Dieser Beitrag untersucht die Entwicklung von öffentlichen Finanzen und öffentlicher Beschäftigung in fünfzehn industrialisierten Demokratien seit dem 2. Weltkrieg. Es werden Zeitreihen mit jährlichen Daten - soweit möglich von 1950 bis 1988 - analysiert und im Anhang ausführlich dargestellt. Anhand einer Vielzahl von Berechnungsschemata werden die sich verändernden Umrisse staatlicher Kontrolle über wirtschaftliche Ressourcen beschrieben. Obwohl sich das Wachstum staatlicher Ausgaben relativ zum BIP in den '80er Jahren verlangsamte, hat der allgemeine Mangel an Möglichkeit oder Bereitschaft, die Einnahmen zu steigern, in vielen Fällen zu einer signifikanten Zunahme der öffentlichen Verschuldung geführt. Da Zinszahlungen auf die Schulden immer mehr Mittel in Anspruch nehmen, ging dies einher mit Einsparungen in vielen Ausgabebereichen, besonders bei den Investitionen. Während sich die Zunahme der öffentlichen Beschäftigung fortgesetzt hat, wenn auch langsamer als in den '60er und '70er Jahren, hat ein deutlicher Fortschritt bei der Angleichung der staatlichen an die privatwirtschaftlichen Beschäftigungskosten stattgefunden. Die letztere Entwicklung spiegelt sich in der Konvergenz der Preisbewegungen wieder; kostenmäßig laufen die öffentlichen Hände dem privaten Sektor nicht mehr davon, insbesondere nicht den privaten Haushalten.

## INTRODUCTION

During the post-World War II era the government sectors within the industrialized democracies acquired a large share of direct control over their societies' economic resources. Contrary to Colin Clark's (1945) expectation, governments can and have absorbed more than a quarter of the national product without doing grievous harm. Clark's "critical limit," which seemed to accord with the experience of several western nations in the period between the two World Wars of this century, has been exceeded; indeed, this has been by factors greater than two in a number of instances. However, to suggest that resistance to this growth has been absent would be wrong. Particularly during the 1970's, the seemingly ineluctable growth in government's share of national economic resources spawned a critical reaction in many spheres. Scholars as well turned their attention to this question and, as is often the case, arrived at a broad range of competing and sometimes contradictory explanations to account for this phenomenon (cf., Larkey, Stolp and Winer, 1982). Naturally, they also generated a wide array of divergent conclusions about the prospects for its continuance. For some, while admitting that it is very difficult to forecast future developments, the overriding sense was one of continued growth. Nutter (1978:1), for example, suggested that "[n]othing is so scarce as a shrinking government." On the other hand, Peltzman (1980:286-7) concluded that "... the pressure for further growth of government is likely to abate in the developed world...[I]t would be fair to infer from the evidence presented here that the next quarter century will witness a perceptible, perhaps substantial, deceleration of the relative growth of government in the developed world."

This paper does not attempt to identify the political, economic, and social determinants of the size and scope of the government sector. We have dealt with this question to a limited extent elsewhere (Cusack, 1988; Cusack, Notermans and Rein, 1989) and plan extensive analysis of this problem in the near future. The purpose of this paper is more limited but nonetheless important. The aim here is to describe the ways in which the contours of the government sector in the industrialized democracies have changed in the recent era.<sup>1)</sup> Particular attention is given to the decade of the

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<sup>1)</sup> The group of countries studied here include: Australia, Austria, Belgium, Canada, Denmark, Finland, the Federal Republic of Germany, France, Italy, Japan, the Netherlands, Norway, Sweden, the United Kingdom, and the United States.

1980's. Previously published work, in particular by Garin-Painter (1970), Nutter (1978), Kohl (1984), and Saunders and Klau (1985), has focused on earlier periods and so this paper can be seen in part as an update to their work.<sup>2)</sup>

Although an extensive amount of information on government sector developments can be gleaned from the data presented within this paper and its appendix, it should be pointed out that the questions of central concern here are limited to the following:

- Has government continued to expand its control over societal resources through the 1980's?
- To what extent have expenditures and revenues moved in tandem and what have been the consequences of these movements?
- What components have contributed significantly to changes in the overall size of government relative to the economy?

The next section addresses some basic issues related to the presentation in the later sections of the paper. Any description of a complex entity such as the government sector needs to rely on some form or another of an accounting scheme. Here a set of accounting schemes that provide alternate perspectives on the scope and character of the government sector's use of societal resources is introduced. Using these frameworks or schemes, annual time series that have been assembled for the period from 1950 through 1988 are presented in summary form in the sections three and four and more extensively in appendix to this paper. Section three provides a perspective on the development of total resource control by government while section four details the varying movements in the components. The concluding section highlights some of the major developments reported in the earlier sections and discusses these in relation to some important policy and theoretical concerns.

## **MEASUREMENT ISSUES**

The objective of this paper is to present information on the evolution of the size and scope of societal resources controlled by the government sectors of the

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<sup>2)</sup> Just prior to the completion of this paper we received a copy of Oxley et al (1990), which provides information that parallels that contained in part of this report as well as information on other aspects of public sector developments in the 1980's.

industrialized democracies in the post-World War II era. Such a purpose presupposes the existence of a reasonable definition of government and the resources it controls. It also assumes the availability of a categorical scheme wherein the resource allocation activities of the government sector can be meaningfully characterized.

Scholarly concern about the size of government has not been marked by any uniformity with respect to how analysts measure it. The vast literature that treats this question at the national level is replete with various implicit or explicit definitions and corresponding operational measures.<sup>3)</sup> Sometimes this diversity can be justified in that the theory guiding the research is focused on a specific element or aspect of government, e.g., the research on the development of the welfare state.<sup>4)</sup> At other times the use of a particular indicator appears to be dictated by convenience in terms of readily accessible data series or by the ideological stance of the researcher.<sup>5)</sup>

What is meant by the government sector? In its most extensive form government or the public sector includes units concerned with the production of non-market oriented services, i.e., the central government and lower level geographically based public authorities, as well as programs and agencies responsible for the transfer of income to the household and other sectors of the economy, and firms which to varying degrees are owned by state authorities but simultaneously engage in the production of goods and services that are sold on the market. If, for example, one could identify the resources handled by these elements, then measuring the resources directly under the control of government or the public sector would be possible. However, particularly in the case of public industries, this has proven to be a difficult, if not impossible, task.<sup>6)</sup> The most extensively employed category, and one which is frequently the focus of concern on

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<sup>3)</sup> An extensive but not exhaustive list of indicators employed would likely find that the majority are expenditure aggregates with either general government, consolidated central government, or central government as the unit of analysis and total spending, total spending less defense, government consumption, government consumption less defense, social welfare transfers, and social welfare transfers plus education and health expenditures as the resource category.

<sup>4)</sup> For useful reviews of the literature in this area, see Shalev (1983) and Uusitala (1984).

<sup>5)</sup> Some interesting examples of this latter problem are discussed by Gretschmann (1986).

<sup>6)</sup> An effort to construct cross-nationally comparable estimates of the entire public sector, including both general government and public enterprises, is to be found in Pathirane and Blades (1982). Their discussion points out the many practical difficulties encountered in developing such an encompassing measure.

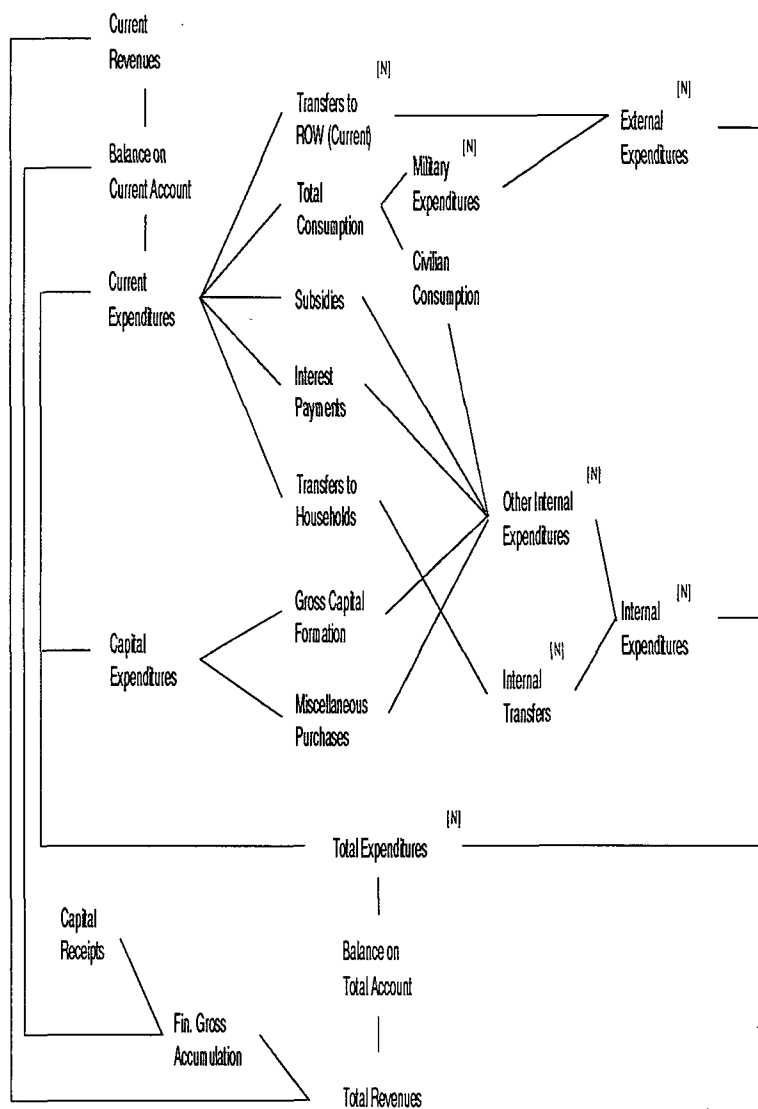
the part of both analysts and policy-makers, is that of *general government* which includes all but the last element, i.e., state-owned firms engaged in market-oriented activities.<sup>7)</sup>

What resources matter? More often than not, analysts concern themselves with financial resources, usually with a focus on the budgetary outlays or receipts of the governmental unit. Sometimes, but much less frequently, attention is centered on the personnel or labor dimension. Part of our presentation will also deal with labor but our main focus is in keeping with the mainstream concerns and thus keyed to the financial side. Still, there remains a difficult question. Should one focus on *expenditures* or *revenues* or both? Both on theoretical and political grounds, division exists as to whether these items are independent or substitutable (i.e., or whether one drives the other and which is doing the driving). In this case it is perhaps best to focus on both although as well become apparent, our description below gives greater emphasis to the expenditure side.

As with many things, so it is in the area of public finance that while the whole is the sum of its parts, the relative composition of these parts often differs both across time and place. In examining the relative size of government, it is useful not only to look at it in the aggregate but also to examine its composition. Our presentation relies upon the framework outlined in Figure 1. This framework draws upon the System of National Accounts to describe the contours of the major element of the government sector, i.e., general government, in the western industrialized democracies. Both the broadest aggregates and somewhat more detailed components on the right hand side of this Figure derive from the scheme developed by Nutter (1978) in his study of government growth. Nutter's scheme is rather coarse in its characterization of public spending and rests upon two sets of distinctions. The highest level distinction here is between spending for *internal* as opposed to *external* purposes. Within each of these two aggregates, spending is then further divided into two categories: *transfer* expenditures and all *other* forms of spending. Within the external aggregate, the second item is limited to *military* expenditures. In the internal grouping, a very *diverse* set of spending items are subsumed under the category of other expenditures.

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<sup>7)</sup> For an extensive and useful discussion of the definitional as well as other problems encountered in constructing government accounts, see the IMF's *Manual on Government Finance Statistics* (IMF, 1986).



[N] - From Nutt's Scheme

**Figure 1**  
**Government Sector Accounts Overview**



On the left side of this Figure, which relies upon the classification scheme generally employed by OECD and IMF, the diversity is apparent. Thus, *current* expenditures can be seen as divided between the two transfer elements, *external* and *internal*, as well as amongst *consumption* items, which can be further divided between those for *civilian* and those for *military* purposes. Other elements of current expenditures include *subsidies* to the market sector of the economy and *interest payments* related to past debt accumulation on the part of government. *Capital* expenditures include outlays for the purpose of *capital formation* and *diverse purchases* of land, etc. The sum of these two major elements, current and capital outlays, is *total expenditure*. The two major spending components and the overall total have corresponding revenue elements, *current* and *capital revenues* and *total revenues*. Two other major items are detailed in our accounts as well, viz., the *balance on the current account*, i.e., the difference between current expenditures and current revenues, and the *balance on the total account*, i.e., the difference between total expenditures and total revenues.

Given a focus on expenditures and revenues, the question arises as to the appropriate base against which they should be compared. The measure most commonly chosen by analysts, and that which will be employed here, has been one or another national income and product aggregate, either gross domestic product or gross national product. Using such an indicator in the role of a base has the advantage of being widely understood, readily available, and conventionally employed in both academic and policy discourse. There are of course potential problems with such an index, although some, such as that related to the price index controversy, seem less weighty than the more encompassing ones regarding what is and is not being measured and how the structural changes that modern societies have undergone undermine the usefulness of this measure.<sup>8)</sup>

## THE MAJOR AGGREGATES

In this section our attention turns to developments at the aggregate level. Our concerns then are with the first two questions stated in the introduction, i.e., has the

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<sup>8)</sup> On the price controversy, see Beck (1981), and Berry and Lowery (1987). Discussions on the conceptual adequacy of this measure are to be found in Block (1990) and Eisner (1989). Another problem with the use of such an indicator is that it can be seen as erroneously suggesting that the numerator, for example, total government spending, is made up in its entirety of GNP or GDP components (cf., Pathirane and Blades, 1982).

government sector continued to grow and to what degree have expenditures and revenues moved in similar directions. Table 1 provides an overview of the development of total public spending in the group of fifteen industrialized democracies from 1950 through the late 1980's (a graphic depiction of general tendencies is also provided in Figure 2). Missing data on about half of these countries for 1950 prevent any general characterization of the tendencies during the first decade. Nevertheless, it is clear that for seven of the eight countries for which data are available a significant increase in the overall relative size of the government sector took place. The United Kingdom was the only exception during this decade. During the decade of the 1960's, growth was almost universal. The average share of gross domestic product embodied in total general government spending rose from approximately 29 to 35 percent. Only two countries, Italy and Japan, lagged behind in this general expansion. The 1970's saw universal expansion and a rate of growth that was on average much greater than that which transpired during the 1960's. The mean share for these 15 countries rose from approximately 35 to 45 percent. Two countries in particular stand out in terms of this rapid expansionary tendency. First, Sweden, which not only retained its lead in terms of having the largest government sector, also managed to increase by a factor of nearly .5. This represented an enlargement of the share of gross domestic product being spent by the government sector to more than 60 percent. Second, Japan, an earlier laggard, radically expanded the size of its government sector by nearly doubling the share of domestic product being spent for public purposes. Nonetheless, the widespread growth across all of these countries left Japan with still the smallest government sector by the beginning of the 1980's.

The developments within the 1980's present a dramatically different picture relative to the earlier decades. While the average total size of government spending as a share of GDP continued to rise, it did so at an appreciably slower pace during this period. This group picture also masks a divergent set of developmental tendencies. While some governments continued to grow in relative terms, particularly those in France, Italy, and Norway, many others tended to stabilize. Indeed, as Table 2 suggests, the 1980's marked a sharp break for most of these countries in terms of the tendency for total public spending growth to outstrip growth in domestic product.

Somewhat parallel tendencies were apparent as well in the growth of government revenues. Data problems prevent the provision of a complete picture of these developments at the level of total revenues, i.e., the sum of current and capital receipts.

**Table 1**  
**General Government Total Expenditures**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	22.37	28.35	33.66	35.28	36.95	36.52
Canada	21.86	29.06	35.83	40.56	45.19	44.00
United Kingdom	32.05	32.08	37.77	44.27	42.86	---
Netherlands	27.09	33.45	42.33	56.50	57.26	55.71
Belgium	---	30.75	37.46	51.68	51.90	50.33
France	29.35	34.01	37.66	43.31	51.60	50.10
Fed. Rep. Germany	29.25	32.17	36.90	46.53	45.57	45.43
Austria	25.05	30.39	35.34	47.21	50.81	49.02
Italy	---	31.74	31.67	44.90	49.42	49.57
Finland	---	26.86	30.52	36.95	41.77	39.38
Sweden	---	31.34	42.75	60.89	61.30	59.59
Norway	---	31.29	41.26	48.85	51.64	53.54
Denmark	19.59	25.20	39.44	55.56	57.85	59.48
Japan	---	17.80	18.61	32.76	33.30	33.03
Australia	---	22.82	26.11	33.21	35.73	34.14
Mean	25.83	29.15	35.15	45.23	47.54	47.13
Std. Dev.	4.34	4.25	6.21	8.30	8.07	8.79
Coeff. of Var.	0.17	0.15	0.18	0.18	0.17	0.19
Minimum	19.59	17.80	18.61	32.76	33.30	33.03
Maximum	32.05	34.01	42.75	60.89	61.30	59.59

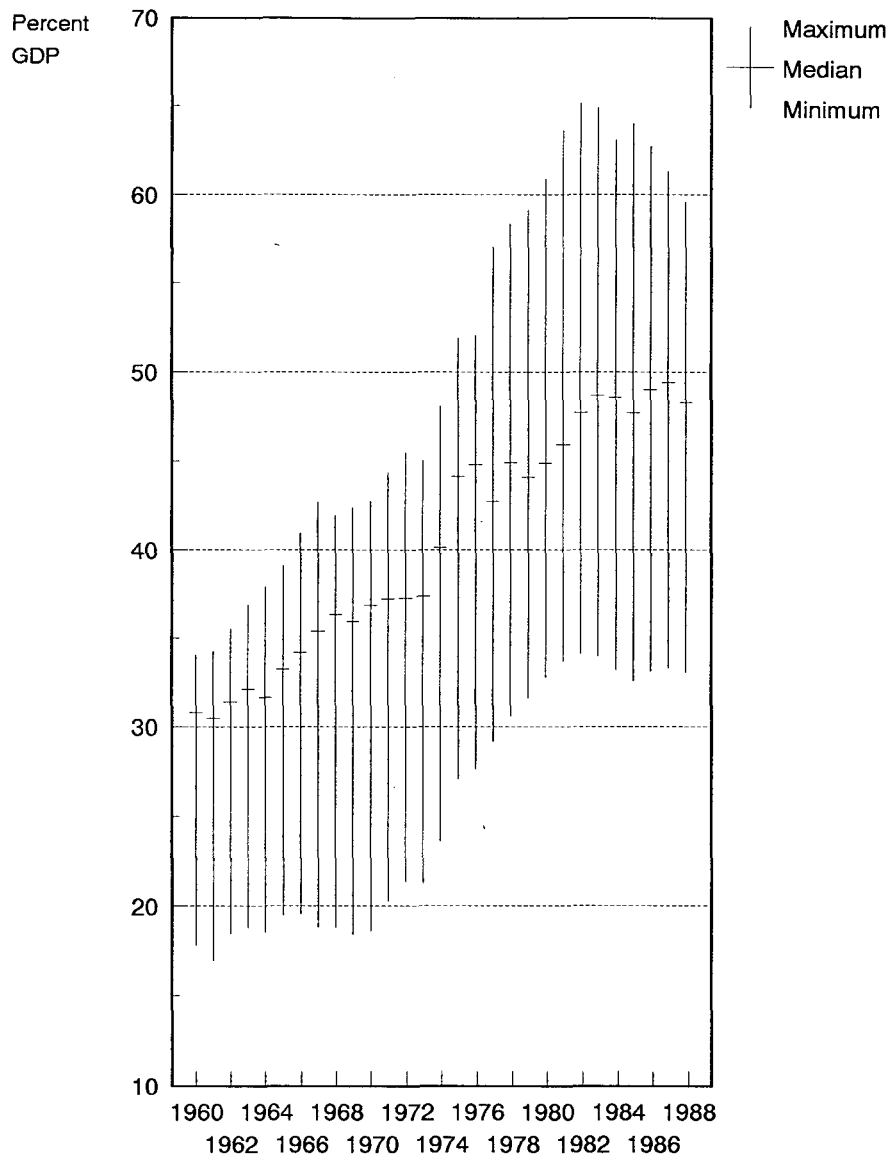
**Table 2**  
**Elasticities between Total General Government Spending and GDP**

	1950-88	1950-59	1960-69	1970-79	1980-88
United States	1.32	1.61	1.23	0.97	1.05
Canada	1.41	1.64	1.25	1.30	1.18
United Kingdom	1.45	0.56	1.60	1.69	0.80
Netherlands	1.57	1.69	1.52	2.00	0.54
Belgium	1.71	1.11	1.51	2.03	0.44
France	1.27	1.26	1.24	1.47	1.82
Fed. Rep. Germany	1.30	1.14	1.40	1.96	0.66
Austria	1.43	1.27	1.44	2.11	1.28
Italy	1.38	1.42	1.16	2.10	1.37
Finland	1.40	---	1.54	1.75	1.34
Sweden	2.03	---	1.86	2.76	0.72
Norway	1.57	1.38	1.69	1.51	1.27
Denmark	1.91	1.94	1.84	2.17	0.88
Japan	1.37	0.66	1.07	2.30	0.95
Australia	1.43	---	1.23	2.03	1.13
Mean	1.50	1.32	1.44	1.88	1.03
Std. Dev.	0.21	0.38	0.23	0.43	0.36
Coeff. of Var.	0.14	0.29	0.16	0.23	0.34
Minimum	1.27	0.56	1.07	0.97	0.66
Maximum	2.03	1.94	1.86	2.76	1.82

Estimates are based on log-log regressions using OLS, no correction for autocorrelation was made.

# The Development of Total Government Spending, 1960-1988

(Minimum, Median, and Maximum Values of General Government Total Spending as a Percent of GDP)



**Figure 2**

Therefore, information on both current and total revenues are displayed in Tables 3 and 4. Focusing on the current account it is clear that growth in revenues generally occurred at rates roughly similar to spending in the early decades, i.e., through 1970. Thereafter, however, while growth continued in revenues, the tendency was for expenditure growth to outstrip increased supply in receipts.

This disjunction manifests itself in Tables 5, 6, 7 and 8, which describe the development of the budget balances, both current and total, as well as in debt accumulation. Looking first at the current balance (for which a more extensive data set is available), it is clear that the 1960's and even the 1970's were relatively successful periods in terms of generally matching current outlays to current revenues. Indeed, it is only in the 1970's that a small number of these countries, i.e., the United States and Italy, generally failed to run an overall surplus in the current budget. The 1980's saw a marked deterioration in this situation with seven of the fifteen governments generally failing to match revenues to outlays and in some instances, particularly the United States, Canada, Belgium and Italy, the gap was very wide.

As noted above, data on general government total revenues are not as widely available and so a comparable accounting can not be provided here. Still, it is clear from Table 6 that when the complete set of accounts, i.e., both current and capital, are examined, the fiscal balance over much of this period for many of these countries was far less favorable. Five of the twelve for which data are available generally were in deficit on the total account during the 1960's. Seven of the fourteen for which data are available generally failed to balance total outlays with total receipts during the 1970's; here Italy did especially poorly by running an average annual deficit of nearly eight percent of GDP during this decade. The picture worsened even further in the 1980's as all but one of the fourteen countries for which data are available generally failed to balance their overall budgets. Again, the Italian government sector is the leading example here with an average annual deficit of nearly ten percent of GDP during this period.

The cumulative effects of these varying patterns of budgetary balances and imbalances are reflected in Tables 7 and 8, which provide a limited overview of government sector debt developments. Compatible and consistent information on public debt for these countries is only generally available in the latter decades of the

**Table 3**  
**General Government Current Revenues**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	---	27.34	30.26	31.72	31.98	31.54
Canada	---	26.00	35.18	36.70	39.52	40.40
United Kingdom	32.80	29.99	40.49	40.23	40.67	---
Netherlands	32.70	32.23	41.80	52.81	53.36	52.18
Belgium	---	27.80	35.75	44.02	45.40	44.30
France	32.80	34.90	38.98	46.75	49.41	47.09
Fed. Rep. Germany	32.00	34.80	37.65	44.66	44.35	43.74
Austria	28.00	31.00	39.54	48.42	47.58	46.79
Italy	---	30.85	30.30	37.91	39.31	39.94
Finland	---	31.62	34.27	35.82	39.58	40.30
Sweden	26.20	32.17	46.35	56.61	62.73	61.86
Norway	---	30.83	43.51	54.25	54.25	55.13
Denmark	21.80	26.96	41.15	52.16	59.49	59.55
Japan	---	20.33	20.66	28.07	33.16	34.33
Austria	---	25.40	27.75	32.37	34.39	34.30
Mean	29.47	29.48	36.24	42.83	45.01	45.10
Std. Dev.	3.98	3.74	6.53	8.67	9.09	9.02
Coeff. of Var.	0.13	0.13	0.18	0.20	0.20	0.19
Minimum	21.80	20.33	20.66	28.07	31.98	31.54
Maximum	32.80	34.90	46.35	56.61	62.73	61.86

**Table 4**  
**General Government Total Revenues**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	---	29.29	32.19	33.63	33.41	32.96
Canada	25.87	27.56	36.77	38.22	41.05	41.33
United Kingdom	36.37	31.92	40.26	41.79	41.45	---
Netherlands	---	31.77	41.50	53.88	51.09	50.74
Belgium	---	---	---	---	---	---
France	---	---	39.53	47.63	49.17	48.73
Fed. Rep. Germany	31.98	34.09	36.66	45.79	43.80	43.29
Austria	---	---	39.24	47.52	46.67	45.92
Italy	---	30.86	29.65	38.46	38.27	38.99
Finland	---	31.56	34.56	36.72	40.62	40.77
Sweden	---	33.29	47.63	58.20	65.38	63.08
Norway	---	---	44.23	55.78	55.11	56.04
Denmark	18.96	28.74	46.14	53.64	59.86	59.73
Japan	---	---	20.82	28.18	33.89	35.11
Austria	---	26.05	28.27	34.98	36.03	35.86
Mean	28.29	30.51	36.96	43.89	45.41	45.58
Std. Dev.	6.55	2.42	7.13	8.95	9.36	9.22
Coeff. of Var.	0.23	0.08	0.19	0.20	0.21	0.20
Minimum	18.96	26.05	20.82	28.18	33.41	32.96
Maximum	36.37	34.09	47.63	58.20	65.38	63.08

**Table 5**  
**General Government Current Balance Annual Averages**  
**(as a percentage of GDP)**

	1950-59	1960-69	1970-79	1980-88
United States	---	1.71	-0.40	-3.39
Canada	---	2.38	1.42	-3.06
United Kingdom(a)	1.61	2.50	1.85	-0.88
Netherlands	---	4.26	2.67	-1.19
Belgium	---	1.51	0.70	-5.70
France	3.51	4.06	4.74	2.56
Fed. Rep. Germany	6.39	5.54	4.33	1.93
Austria	5.92	7.73	6.38	2.26
Italy	---	1.32	-4.22	-6.68
Finland	---	7.55	6.82	2.89
Sweden	---	8.20	6.91	1.17
Norway	---	5.91	6.56	8.79
Denmark	4.19	3.03	4.74	-0.10
Japan	---	6.53	4.76	4.05
Australia	---	5.31	3.45	0.51
<b>Mean</b>	4.32	4.50	3.38	0.21
<b>Std. Dev.</b>	1.72	2.29	3.01	3.82
<b>Coeff. of Var.</b>	0.40	0.51	0.89	18.27
<b>Minimum</b>	1.61	1.32	-4.22	-6.68
<b>Maximum</b>	6.39	8.20	6.91	8.79

(a) to 87 only

**Table 6**  
**General Government Total Balance Annual Averages**  
**(as a percentage of GDP)**

	1950-59	1960-69	1970-79	1980-88
United States	---	0.07	-1.27	-3.39
Canada	1.29	-0.20	-0.49	-4.12
United Kingdom(a)	-0.27	-0.93	-1.95	-2.51
Netherlands	---	-2.71	-0.90	-3.56
Belgium	---	---	---	---
France(b)	---	1.54	2.13	-0.17
Fed. Rep. Germany	4.42	-0.17	-0.45	-0.79
Austria	---	---	0.42	-2.75
Italy	---	-1.60	-7.76	-9.70
Finland	---	2.48	3.18	-0.11
Sweden	---	3.81	3.21	-0.79
Norway(c)	---	2.46	3.48	5.86
Denmark	1.95	2.59	3.85	-1.93
Japan	---	---	-1.51	-1.83
Australia	---	1.56	1.31	-0.16
<b>Mean</b>	1.85	0.74	0.23	-1.85
<b>Std. Dev.</b>	1.69	1.88	2.96	3.20
<b>Coeff. of Var.</b>	0.91	2.54	12.73	-1.73
<b>Minimum</b>	-0.27	-2.71	-7.76	-9.70
<b>Maximum</b>	4.42	3.81	3.85	5.86

(a) to 87 only

(b) 60's figures from 61 on

(c) 60's figures from 62 on

Table 7  
General Government Net Debt  
(as a percentage of GDP)

	1960	1965	1970	1975	1980	1985	1987(a)	1988(a)
United States	44.89	35.32	27.66	24.07	18.77	26.68	29.99	29.77
Canada	---	22.25	11.57	7.47	12.94	32.83	37.61	37.32
United Kingdom	---	---	79.15	57.08	47.32	46.41	42.75	37.30
Netherlands (b)	---	---	29.95	20.32	24.94	43.04	52.12	54.78
Belgium	---	---	52.55	48.98	69.30	112.29	121.84	123.71
France (b)	---	---	9.70	10.29	14.31	22.94	25.40	25.59
Fed. Rep. Germany (b)	-13.50	-13.05	-8.17	0.95	14.31	21.92	22.89	23.56
Austria (c)	---	---	19.37	23.94	37.21	49.63	57.47	58.63
Italy	---	28.32	36.78	54.17	53.96	81.28	89.94	92.25
Finland (b)	-9.75	-5.32	-5.00	-9.53	-6.09	0.93	2.40	0.72
Sweden	---	---	-24.79	-30.47	-13.50	16.12	10.78	6.49
Norway (b)	---	---	-0.97	-7.64	0.39	-16.02	-23.97	-26.20
Denmark	---	---	-2.87	-10.13	7.28	34.98	25.14	23.91
Japan (b)	---	-5.62	-6.54	-2.07	17.30	26.66	21.66	17.96
Australia (c)	---	---	40.13	27.22	24.92	26.34	23.52	20.07
Mean	---	---	17.24	14.31	21.56	35.07	35.97	35.06
Std. Dev.	---	---	26.53	24.73	21.77	29.64	33.87	35.33
Coeff. of Var.	---	---	1.54	1.73	1.01	0.85	0.94	1.01
Minimum	---	---	-24.79	-30.47	-13.50	-16.02	-23.97	-26.20
Maximum	---	---	79.15	57.08	69.30	112.29	121.84	123.71

a) Partly estimated.

b) Financial assets exclude corporate shares.

c) Data refers to Gross Debt (no official government data given for net debt).

Table 8  
General Government Gross Debt  
(as a percentage of GDP)

	1960	1965	1970	1975	1980	1985	1987(a)	1988(a)
United States	60.07	52.24	45.32	42.75	37.89	48.26	51.64	51.42
Canada	---	58.79	51.94	43.21	45.11	64.65	68.76	68.46
United Kingdom	---	---	84.77	64.96	54.46	53.32	49.47	44.02
Netherlands	---	---	52.21	41.39	45.91	69.58	75.05	77.71
Belgium	---	---	67.49	61.06	79.94	122.71	132.46	134.32
France (b)	---	---	53.05	41.08	37.28	45.45	47.30	47.50
Fed. Rep. Germany	17.69	17.32	18.40	25.01	32.51	42.23	43.72	44.40
Austria (b)	---	---	19.37	23.94	37.21	49.63	57.47	58.63
Italy	---	35.41	41.70	60.40	58.87	83.99	92.68	94.99
Finland (b)	16.11	17.70	15.16	8.57	13.87	18.99	19.99	18.32
Sweden	---	---	31.48	30.54	44.49	67.69	61.88	57.58
Norway (b)	---	---	47.02	44.75	52.24	40.67	42.81	40.59
Denmark (b)	---	---	11.30	11.93	33.49	65.74	56.94	55.70
Japan	---	0.71	12.09	22.43	51.98	69.10	75.49	71.79
Australia (b)	---	---	40.13	27.22	24.92	26.34	23.52	20.07
Mean	---	---	39.43	36.62	43.34	57.89	59.94	59.03
Std. Dev.	---	---	20.79	16.68	15.04	24.13	26.73	27.95
Coeff. of Var.	---	---	0.53	0.46	0.35	0.42	0.45	0.47
Minimum	---	---	11.30	8.57	13.87	18.99	19.99	18.32
Maximum	---	---	84.77	64.96	79.94	122.71	132.46	134.32

a) Partly estimated.

b) Does not exclude public sector mutual indebtedness.



period under study.<sup>9)</sup> In the main it can be seen that significant debt accumulation occurred in the decade of the 1970's. This enlargement of debt burden continued into the 1980's. For the thirteen countries for which information are available on net public debt, the overwhelming majority, i.e., eleven, sustained increases in the debt burden. Only two, the United Kingdom and Norway, experienced declines. Amongst those that experienced increased net debt burdens during that decade, some endured only modest increases while others saw major growth. Counted in the latter group are Canada, France and Italy, which saw a tripling of net debt burdens, the Netherlands and Belgium, which more than doubled their burdens during this time, and such countries as Japan, Denmark, Finland, Sweden and Germany, which moved from negative public net debt positions to having significant positive debt burdens. Similar trajectories are apparent with respect to gross public debt as well for all of the fifteen countries. Only three, the United Kingdom, Norway and Australia, managed to lower their debt burdens, while the other twelve saw increases, some of which were of a major magnitude.

## **A MORE DETAILED VIEW**

Using Nutter's (1978) classification scheme, it is possible to provide a very gross picture of the movement in components of general government expenditures. The highest level distinction that Nutter uses in classifying government spending is that between spending for external and internal purposes. The basic trends that Nutter described for the period up to the mid-1970's continued to manifest themselves in the following decade and a half. Thus, spending on external purposes generally remained stable relative to domestic product, while spending on internal purposes continued to grow (see Tables 9 and 10). Spending on external functions, which includes allocations to the military and transfers to other countries, have, on average, continued to capture approximately three and one half percent of GDP since 1970. There have, however, been some significant shifts at the individual country level. This was particularly the case with the United States. External spending had climbed through the fifties to reach more than nine percent of GDP by 1960. By 1970, toward the end of America's involvement in the Vietnam War, it had declined to slightly more than eight percent.

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<sup>9)</sup>The data on government debt was kindly provided by Debra R. Block of the Monetary and Fiscal Policy Division within the OECD.

**Table 9**  
**General Government External Expenditures**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	6.40	9.36	8.35	5.62	6.71	6.08
Canada	2.79	4.43	2.67	1.96	2.51	2.45
United Kingdom	6.78	6.79	5.06	5.66	5.28	---
Netherlands	4.86	4.07	3.54	4.77	3.71	4.00
Belgium	---	3.53	3.56	4.13	3.80	3.57
France	6.29	8.14	5.08	4.61	4.64	4.64
Fed. Rep. Germany	4.18	4.68	4.11	4.75	4.66	4.73
Austria	0.75	1.24	1.24	1.51	1.51	1.37
Italy	---	3.36	2.89	2.30	2.66	2.60
Finland	---	1.70	1.37	1.67	2.31	2.32
Sweden	---	4.08	3.93	3.85	3.18	3.06
Norway	---	3.30	3.85	3.66	4.29	4.17
Denmark	1.80	3.00	2.92	4.03	4.24	4.48
Japan	---	1.21	0.87	0.96	1.04	1.03
Australia	---	2.93	3.79	2.90	2.82	2.58
Mean	4.23	4.12	3.55	3.49	3.56	3.36
Std. Dev.	2.12	2.28	1.77	1.47	1.44	1.36
Coeff. of Var.	0.50	0.55	0.50	0.42	0.40	0.40
Minimum	0.75	1.21	0.87	0.96	1.04	1.03
Maximum	6.78	9.36	8.35	5.66	6.71	6.08

**Table 10**  
**General Government Internal Expenditures**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	15.97	18.99	25.31	29.66	30.24	30.44
Canada	19.06	24.63	33.17	38.60	42.68	41.55
United Kingdom	25.26	25.29	32.72	38.61	37.58	---
Netherlands	22.23	29.38	38.79	51.73	53.55	51.71
Belgium	---	27.22	33.90	47.55	48.10	46.76
France	23.06	25.88	32.58	38.71	46.96	45.46
Fed. Rep. Germany	25.08	27.49	32.79	41.78	40.92	40.70
Austria	24.30	29.15	34.10	45.70	49.30	47.65
Italy	---	28.38	28.78	42.59	46.75	46.98
Finland	---	25.16	29.15	35.29	39.45	37.05
Sweden	---	27.26	38.82	57.04	58.12	56.53
Norway	---	27.99	37.41	45.19	47.35	49.37
Denmark	17.79	22.20	36.52	51.54	53.61	55.00
Japan	---	16.59	17.75	31.80	32.26	32.00
Australia	---	19.89	22.32	30.31	32.91	31.55
Mean	21.59	25.03	31.61	41.74	43.98	43.77
Std. Dev.	3.32	3.78	5.84	7.91	8.08	8.22
Coeff. of Var.	0.15	0.15	0.18	0.19	0.18	0.19
Minimum	15.97	16.59	17.75	29.66	30.24	30.44
Maximum	25.26	29.38	38.82	57.04	58.12	56.53

The 1970's decade saw an even more radical decline to slightly more than five and a half percent by 1980, but this was reversed under the Reagan administration and grew to nearly seven percent of GDP by 1987.

Meanwhile, expenditures on internal purposes generally continued their upward climb in terms of the proportion of GDP being allocated to this broad category. While the 1970's saw major increases with the average for the fifteen countries expanding from nearly 32 to nearly 42 percent of GDP, the average pace of growth during the eighties slackened. And indeed, while all of the fifteen countries experienced major upward shifts in this category during the 1970's, their experiences have been more diverse during the 1980's. Thus, most countries only experienced very modest increases or, in the case of some, such as the United Kingdom and the Federal Republic of Germany, actual declines.

Nutter's most detailed categories divide each of the above two general purpose classes into two components. On the external side, as mentioned before, these include military spending and external transfers (see Table 11 and 12). Divergent movements in the two components of the external side were responsible for the relative stability of the total. Defense spending declined on average during the 1970's and climbed modestly during the 1980's. On the other side, external transfers, a rather small component, climbed significantly in many countries and then generally remained stable during the 1980's. Table 13 presents an alternative representation of external transfers, net official development assistance. It is clear that through much of the period under study generally there has been an increasing willingness on the part of the industrialized democracies to supply more resources to the developing countries. Clearly, though, the United States stands out as an exception here while its foreign aid budget persistently declined in relative terms. Most countries have also dampened the expansion of this category through the 1980's although, as Table 14 shows, the quality of such aid, which takes into account such aspects as the tying status of aid, its concessional nature, etc., has not suffered during this period of consolidation.<sup>10)</sup>

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<sup>10)</sup> The aid quality index was originally developed by Mosley (1985). See also Fleming (1990). It is the average of four indicators: the proportion of aid given to LLDC's, the proportion of total project aid provided for purposes of agricultural and social infrastructure development, the proportion of total aid that is untied, and the grant element involved in the aid flow.

**Table 11**  
**General Government Military Expenditures**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	5.09	8.98	7.87	5.39	6.43	5.81
Canada	2.76	4.27	2.38	1.69	2.12	2.04
United Kingdom	6.40	6.44	4.76	4.93	4.59	---
Netherlands	4.80	3.93	3.29	3.09	3.07	2.96
Belgium	---	3.44	2.96	3.38	2.92	2.74
France	5.80	6.46	4.18	3.99	3.96	3.78
Fed. Rep. Germany	3.57	4.00	3.34	3.28	3.05	2.95
Austria	0.73	1.16	1.10	1.25	1.23	1.12
Italy	3.74	3.28	2.48	2.20	2.43	2.31
Finland	1.83	1.69	1.31	1.49	1.95	1.92
Sweden	3.55	4.02	3.57	3.06	2.55	2.43
Norway	2.37	3.20	3.47	2.89	3.36	3.26
Denmark	1.66	2.70	2.32	2.41	2.12	2.17
Japan	---	1.03	0.78	0.92	1.01	1.00
Australia	2.99	2.57	3.24	2.42	2.48	2.24
Mean	3.48	3.81	3.14	2.83	2.88	2.63
Std. Dev.	1.61	2.06	1.66	1.23	1.31	1.15
Coeff. of Var.	0.46	0.54	0.53	0.44	0.45	0.44
Minimum	0.73	1.03	0.78	0.92	1.01	1.00
Maximum	6.40	8.98	7.87	5.39	6.43	5.81

**Table 12**  
**General Government External Transfers**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	1.31	0.38	0.48	0.23	0.28	0.27
Canada	0.03	0.16	0.28	0.27	0.40	0.41
United Kingdom	0.38	0.35	0.29	0.73	0.69	---
Netherlands	0.06	0.14	0.24	1.68	0.64	1.04
Belgium	---	0.09	0.59	0.75	0.88	0.83
France	0.49	1.68	0.91	0.62	0.68	0.85
Fed. Rep. Germany	0.60	0.68	0.77	1.47	1.60	1.79
Austria	0.02	0.08	0.14	0.26	0.27	0.25
Italy	---	0.08	0.40	0.10	0.24	0.29
Finland	---	0.01	0.07	0.17	0.37	0.40
Sweden	---	0.06	0.36	0.78	0.63	0.63
Norway	---	0.10	0.37	0.77	0.94	0.91
Denmark	0.13	0.30	0.60	1.62	2.13	2.31
Japan	---	0.18	0.09	0.04	0.03	0.03
Australia	---	0.36	0.55	0.47	0.34	0.34
Mean	0.38	0.31	0.41	0.66	0.67	0.74
Std. Dev.	0.41	0.40	0.24	0.52	0.54	0.61
Coeff. of Var.	1.08	1.30	0.57	0.79	0.80	0.83
Minimum	0.02	0.01	0.07	0.04	0.03	0.03
Maximum	1.31	1.68	0.91	1.68	2.13	2.31

**Table 13**  
**General Government Foreign Aid Expenditures**  
**(as a percentage of GDP)**

	1956	1960	1970	1980	1987	1988
United States	0.47	0.55	0.31	0.27	0.20	0.21
Canada	0.09	0.19	0.42	0.41	0.46	0.48
United Kingdom	0.35	0.56	0.39	0.35	0.27	0.32
Netherlands	0.52	0.30	0.59	1.07	0.98	0.98
Belgium	0.21	0.90	0.47	0.50	0.48	0.39
France	1.19	1.41	0.69	0.64	0.74	0.72
Fed. Rep. Germany	0.17	0.49	0.32	0.44	0.39	0.39
Austria	0.00	0.00	0.07	0.25	0.17	0.24
Italy	0.14	0.30	0.15	0.17	0.35	0.38
Finland	0.00	0.00	0.06	0.22	0.49	0.58
Sweden	0.03	0.05	0.35	0.80	0.85	0.84
Norway	0.21	0.20	0.33	0.88	1.07	1.10
Denmark	0.07	0.09	0.37	0.77	0.84	0.86
Japan	0.36	0.25	0.22	0.32	0.31	0.32
Australia	0.00	0.18	0.54	0.43	0.30	0.42
Mean	0.25	0.37	0.35	0.50	0.53	0.55
Std. Dev.	0.30	0.37	0.17	0.26	0.28	0.27
Coeff. of Var.	1.18	1.01	0.49	0.52	0.54	0.50
Minimum	0.00	0.00	0.06	0.17	0.17	0.21
Maximum	1.19	1.41	0.69	1.07	1.07	1.10

**Table 14**  
**General Government Quality of Foreign Aid**

	1970	1980	1987
United States	0.326	0.494	0.473
Canada	0.385	0.451	0.546
United Kingdom	0.301	0.414	0.483
Netherlands	0.315	0.534	0.533
Belgium	0.383	0.486	0.558
France	0.323	0.415	0.498
Fed. Rep. Germany	0.374	0.552	0.489
Austria	0.373	0.234	0.307
Italy	0.339	0.643	0.460
Finland	0.441	0.582	0.504
Sweden	0.574	0.558	0.592
Norway	0.584	0.610	0.654
Denmark	0.461	0.586	0.573
Japan	0.260	0.397	0.393
Australia	0.458	0.502	0.514
Mean	0.39	0.50	0.51
Std. Dev.	0.09	0.10	0.08
Coeff. of Var.	0.23	0.20	0.16
Minimum	0.26	0.23	0.31
Maximum	0.58	0.64	0.65

On the internal side, the two categories include transfers to households and a residual category which captures all other spending for internal purposes. Here growth, at varying rates over the last four decades, has been the tradition, with transfers to households continuing to maintain their leading role in contributing to the expansion of the government sector (see Table 15). Thus, the decade of the seventies saw an average expansion of transfer spending comparable to the 1960's. While the average share of domestic product allocated to this function continued its expansion into the 1980's, the pace of growth slowed and the uniformity with which growth had previously occurred was altered with many countries significantly lowering the tempo of expansion and one, the United States, even managing to reverse the pattern and lower the share of domestic product being allocated in the form of transfers to the household sector. The widespread expansion of the other major component of internal spending, that for purposes other than transfers to the household sector, also underwent transformation during the 1980's (see Table 16). Thus, the component that, on average, grew at an even faster pace than transfers in the 1970's, remained relatively stable in the 1980's when evaluated in terms of the average share of GDP allocated across the fifteen countries under study. Markedly divergent experiences are also apparent during the 1980's. Thus, for example, France and Finland continued to experience significant growth in the share of domestic product absorbed by this large and diverse public spending category; other countries saw it remain relatively stable or, in some cases, significantly decline (e.g., the United Kingdom and Sweden).

An alternative to Nutter's disaggregation of general government spending helps to reveal some critical changes in the spending priorities of these industrialized democracies. The highest level division is between the current and capital budgets. Data on the development of these two series are presented in Tables 17 and 18. One can observe a sharp contrast in the basic trajectories of these broad ranging categories. The aggregate of current spending as a share of gross domestic product has been the locus of growth over the decades being examined. Through the sixties the average share of product represented by this category increased from around 25 percent to slightly more than 31 percent. The seventies saw an even more rapid increase, with the average moving up to slightly more than 41 percent by 1980. The 1980's have seen this category generally continuing to expand but at a slower rate than in the previous two decades. By 1987, the average had reached nearly 45 percent of GDP. In sharp contrast, the capital account was in the aggregate fairly stable through the 1960's and 1970's and has seen a sharp reduction through the 1980's. Although capital

**Table 15**  
**General Government Internal Transfers**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	4.89	5.13	7.31	11.00	10.77	10.62
Canada	5.75	8.06	8.08	9.88	12.36	11.97
United Kingdom	5.24	6.11	9.43	11.48	13.94	---
Netherlands	6.71	9.92	17.72	27.09	28.62	27.85
Belgium	---	11.49	14.29	20.73	21.36	20.85
France	11.73	13.14	17.31	20.38	23.43	22.87
Fed. Rep. Germany	12.30	12.42	12.87	15.58	16.59	16.55
Austria	7.84	10.41	12.81	18.77	20.98	20.33
Italy	---	12.57	13.04	16.23	17.98	17.91
Finland	---	5.81	8.21	9.86	12.56	11.19
Sweden	---	8.51	11.89	17.91	19.97	20.49
Norway	---	8.24	13.99	13.61	16.43	18.08
Denmark	5.78	7.31	11.41	15.18	16.57	17.70
Japan	---	3.69	4.15	10.60	12.20	12.28
Australia	---	5.69	5.50	8.97	10.35	9.70
Mean	7.53	8.57	11.20	15.15	16.94	17.03
Std. Dev.	2.73	2.89	3.88	4.97	5.02	5.13
Coeff. of Var.	0.36	0.34	0.35	0.33	0.30	0.30
Minimum	4.89	3.69	4.15	8.97	10.35	9.70
Maximum	12.30	13.14	17.72	27.09	28.62	27.85

**Table 16**  
**General Government Other Internal Expenditures**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	11.08	13.87	18.01	18.67	19.47	19.81
Canada	13.31	16.57	25.09	28.72	30.32	29.58
United Kingdom	20.03	19.17	23.29	27.14	23.64	---
Netherlands	15.51	19.46	21.07	24.64	24.93	23.86
Belgium	---	15.73	19.62	26.82	26.74	25.91
France	11.33	12.74	15.26	18.33	23.53	22.59
Fed. Rep. Germany	12.78	15.07	19.92	26.20	24.33	24.15
Austria	16.46	18.74	21.29	26.93	28.33	27.32
Italy	---	15.81	15.74	26.35	28.77	29.06
Finland	---	19.35	20.94	25.43	26.89	25.86
Sweden	---	18.78	26.94	39.13	38.15	36.03
Norway	---	19.74	23.42	31.58	30.92	31.29
Denmark	12.01	14.87	25.10	36.36	37.04	37.30
Japan	---	12.90	13.60	21.20	20.06	19.72
Australia	---	14.20	16.82	21.34	22.56	21.86
Mean	14.06	16.47	20.41	26.59	27.04	26.74
Std. Dev.	2.88	2.45	3.83	5.63	5.26	5.26
Coeff. of Var.	0.20	0.15	0.19	0.21	0.19	0.20
Minimum	11.08	12.74	13.60	18.33	19.47	19.72
Maximum	20.03	19.74	26.94	39.13	38.15	37.30

**Table 17**  
**General Government Current Disbursements**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	---	24.69	29.74	33.23	35.30	34.50
Canada	19.08	25.43	32.18	37.90	42.84	41.71
United Kingdom	29.36	28.78	32.96	40.69	40.93	---
Netherlands	---	26.85	37.79	52.79	54.93	53.30
Belgium	---	28.26	33.06	47.09	50.56	48.89
France	26.67	30.90	34.77	39.66	48.34	46.87
Fed. Rep. Germany	28.51	27.94	31.81	41.08	42.98	42.89
Austria	21.25	25.50	30.45	42.50	47.28	45.75
Italy	---	27.93	30.43	42.26	45.91	46.11
Finland	---	21.46	26.78	32.40	38.22	35.92
Sweden	---	27.11	36.99	56.00	58.62	57.21
Norway	---	28.00	38.25	44.06	48.10	49.66
Denmark	17.69	22.60	37.19	50.58	55.70	57.27
Japan	---	13.60	13.41	25.37	27.25	26.80
Australia	---	18.79	21.86	30.16	33.38	31.99
Mean	23.76	25.19	31.18	41.05	44.69	44.20
Std. Dev.	5.05	4.33	6.38	8.22	8.45	9.24
Coeff. of Var.	0.21	0.17	0.20	0.20	0.19	0.21
Minimum	17.69	13.60	13.41	25.37	27.25	26.80
Maximum	29.36	30.90	38.25	56.00	58.62	57.27

**Table 18**  
**General Government Capital Expenditures**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	---	3.66	3.92	2.05	1.65	2.03
Canada	2.77	3.63	3.64	2.66	2.35	2.30
United Kingdom	2.69	3.30	4.81	3.58	1.93	---
Netherlands	---	6.60	4.54	3.71	2.33	2.40
Belgium	---	2.49	4.40	4.59	1.33	1.43
France	2.68	3.11	2.89	3.66	3.25	3.22
Fed. Rep. Germany	0.74	4.23	5.09	5.45	2.60	2.54
Austria	3.80	4.89	4.88	4.71	3.53	3.28
Italy	---	3.81	1.24	2.63	3.51	3.46
Finland	---	5.40	3.74	4.55	3.55	3.45
Sweden	---	4.23	5.77	4.88	2.68	2.38
Norway	---	3.29	3.01	4.79	3.54	3.88
Denmark	1.90	2.60	2.25	4.99	2.15	2.21
Japan	---	4.20	5.21	7.39	6.05	6.22
Australia	---	4.03	4.25	3.05	2.35	2.15
Mean	2.43	3.96	3.98	4.18	2.85	2.93
Std. Dev.	1.02	1.03	1.18	1.30	1.10	1.17
Coeff. of Var.	0.42	0.26	0.30	0.31	0.39	0.40
Minimum	0.74	2.49	1.24	2.05	1.33	1.43
Maximum	3.80	6.60	5.77	7.39	6.05	6.22



spending clearly has never accounted for an overwhelmingly large share of the government sector, the declines that have been registered here through the 1980's has been very dramatic.

Within the current account it is possible to isolate a fair number of significant sub-categories. Items such as transfers to the household and external transfers as well as military spending have already been described above. Transfers to the household were seen to be the most significant growth component from the perspective of Nutter's classification. However, using a more detailed breakdown of the current account, it can be seen that other functional spending categories have proven to be significant elements in shaping the contours of the government sector.

One of the major categories of spending in the current account is for government consumption. We have already seen that one element of this, military spending, has not played any significant role in government sector expansion. The other element, spending for civilian government consumption, however, has grown at a very rapid pace over the last decades (see Table 19). Indeed, the growth in this component has, on average, been almost as great as that which has occurred in the transfers from government to the household sector. It was only in the 1980's that the share of domestic product being allocated to this broad category stabilized.

Another component of current public spending that truly stands out in terms of its growth over the last couple of decades is that of interest payments on government debt (see Table 20). On average, by 1970, these fifteen countries were allocating about two percent of their GDP to this purpose. This increased to more than three and a half percent by 1980. By the late 1980's, with the persistent fiscal imbalances that generally marked the government sectors of these countries as well as the generally higher interest rates, spending on this component of the budget had ballooned to an average of nearly five and a half percent of domestic product.

Subsidies from general government to other sectors of the economy are another component of the current budgetary account. Although generally small in terms of gross domestic product shares, they still represent an important budgetary item (see

**Table 19**  
**General Government Civilian Consumption Expenditures**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	7.28	7.95	11.35	12.95	12.17	12.53
Canada	7.94	9.31	16.80	17.83	17.37	16.76
United Kingdom	9.79	9.99	12.81	16.37	16.01	---
Netherlands	5.90	8.91	12.31	14.80	13.09	12.76
Belgium	---	9.00	10.46	14.58	13.82	13.05
France	7.06	6.54	9.26	11.21	15.10	14.77
Fed. Rep. Germany	10.96	9.36	12.42	16.83	16.72	16.55
Austria	11.31	11.63	13.59	16.71	17.73	17.28
Italy	---	8.88	11.29	14.22	14.46	14.85
Finland	9.76	10.52	13.15	16.63	18.75	18.26
Sweden	9.01	11.82	17.86	25.77	24.16	23.52
Norway	7.52	8.57	13.47	15.87	17.53	17.72
Denmark	8.21	10.58	17.63	24.27	23.37	23.65
Japan	---	6.93	6.67	9.08	8.56	8.39
Australia	8.53	7.07	9.20	14.34	15.43	14.56
Mean	8.61	9.14	12.55	16.10	16.28	16.05
Std. Dev.	1.62	1.55	3.04	4.15	3.84	4.11
Coeff. of Var.	0.19	0.17	0.24	0.26	0.24	0.26
Minimum	5.90	6.54	6.67	9.08	8.56	8.39
Maximum	11.31	11.82	17.86	25.77	24.16	23.65

**Table 20**  
**General Government Interest Payments**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	---	2.01	2.24	3.25	4.94	4.64
Canada	3.04	2.82	3.76	5.52	8.30	8.51
United Kingdom	4.12	3.97	3.95	4.74	4.24	---
Netherlands	---	2.73	2.96	4.65	7.22	6.85
Belgium	---	2.94	3.42	6.19	10.55	10.13
France	---	---	1.14	1.49	2.80	2.75
Fed. Rep. Germany	0.57	0.72	0.98	1.86	2.83	2.79
Austria	---	0.82	1.08	2.49	3.95	3.91
Italy	---	1.66	1.72	6.24	8.08	8.27
Finland	---	0.66	0.92	1.02	1.63	1.58
Sweden	---	1.73	1.90	4.17	6.69	5.68
Norway	---	1.31	1.79	3.92	4.32	3.89
Denmark	1.12	1.12	1.68	3.95	8.33	8.06
Japan	---	---	0.63	3.21	4.47	4.25
Australia	---	2.59	2.51	2.30	3.48	3.89
Mean	2.21	1.93	2.05	3.67	5.45	5.37
Std. Dev.	1.66	1.02	1.03	1.58	2.48	2.58
Coeff. of Var.	0.75	0.53	0.51	0.43	0.46	0.48
Minimum	0.57	0.66	0.63	1.02	1.63	1.58
Maximum	4.12	3.97	3.95	6.24	10.55	10.13

Table 21).<sup>11)</sup> Through the 1970's they generally increased and indeed the average share rose from 1.8 percent to over 2.6 percent of GDP. Through the 1980's, however, there was a tendency for this spending item to decline in terms of its relative size.

We have seen that civilian government consumption, expressed as a share of gross domestic product, has been one of the major growth centers in the expansion of the government sector. This component of the current budget, along with military expenditures, covers the costs of purchasing goods and services by government. As Tables 22 and 23 show, at least during the last two decades, outlays for purchases of goods and services from the private sector and spending for direct employment within government, the two major components of total government consumption, have moved generally in parallel. On average the former has increased by about 20 percent, moving from 5.3 percent of GDP to about 6.4 percent between 1970 and 1988. Likewise, the expansion of the government's wage bill as a share of GDP increased on the order of about 20 percent over this time, going from about 10.4 to 12.4 percent of domestic product.

The expansion of this latter category helped fuel a significant growth in public employment, particularly through the 1970's (see Table 24). Growth in public employment, expressed as a percentage of the working age population (people between the ages of 15 and 64, inclusive), during that decade was particularly pronounced in the Scandinavian countries where in Sweden, for example, it rose from slightly more than 15 percent to more than 24 percent. Overall, among the 15 countries under study, government employment as a share of working age population rose from slightly less than ten percent to nearly 13 percent. Growth during the 1980's continued in many countries, though some have experienced declines, and the average moved up further to 13.7 percent.

It should be noted that the impact of these trends can be readily seen in the development of the labor markets within these countries (see Table 25). Thus, direct employment in the government sector rose, on average, from slightly more than 14 percent of total employment within these countries in 1970 to nearly 19 percent by the

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<sup>11)</sup> Subsidies measured in the national accounts data represent only "direct payments to producers for current operations" (Ford and Suyker, 1980:8). As such they fail to capture a variety of economically important elements and thus distort the true costs to government and the economy. Excluded for example are tax expenditures, "soft loans" and other concessions.

**Table 21**  
**General Government Subsidy Payments**  
**(as a percentage of GDP)**

	1950	1960	1970	1980	1987	1988
United States	---	0.25	0.49	0.41	0.71	0.61
Canada	---	0.81	0.87	2.71	2.30	2.02
United Kingdom	3.42	1.92	1.72	2.44	1.46	---
Netherlands	---	1.21	1.26	1.48	2.29	1.83
Belgium	---	1.29	1.35	1.47	1.05	1.30
France	---	---	1.97	1.96	2.37	1.85
Fed. Rep. Germany	0.50	0.75	1.43	2.06	2.19	2.26
Austria	---	1.40	1.74	3.02	3.11	2.85
Italy	---	1.46	1.49	3.27	2.72	2.48
Finland	---	2.77	3.12	3.23	2.97	2.57
Sweden	---	0.97	1.40	4.31	4.62	4.45
Norway	---	---	5.16	7.00	5.53	5.79
Denmark	0.78	0.59	3.54	3.16	3.20	3.38
Japan	---	---	1.10	1.52	0.98	0.86
Australia	---	0.51	0.86	1.65	1.30	1.26
Mean	1.57	1.16	1.83	2.65	2.45	2.39
Std. Dev.	1.61	0.69	1.18	1.50	1.29	1.41
Coeff. of Var.	1.03	0.59	0.64	0.57	0.53	0.59
Minimum	0.50	0.25	0.49	0.41	0.71	0.62
Maximum	3.42	2.77	5.16	7.00	5.53	5.79

**Table 22**  
**General Government Purchases of Goods and Services from the Private Sector**  
**(as a percentage of GDP)**

	1960	1965	1970	1975	1980	1985	1987	1988
United States	8.99	8.76	9.01	8.41	8.37	9.00	9.10	8.77
Canada	5.13	4.35	5.87	6.28	6.43	7.09	6.65	6.59
United Kingdom	7.29	7.26	7.09	7.83	8.49	8.63	8.31	7.83
Netherlands	---	---	4.40	4.39	4.90	5.05	5.13	5.03
Belgium	---	---	3.84	4.45	4.81	4.75	4.73	4.45
France	---	3.83	3.60	3.56	3.64	4.75	4.77	4.86
Fed. Rep. Germany	6.60	7.48	7.00	9.08	9.13	9.36	9.24	9.22
Austria	3.84	4.10	4.52	5.72	5.94	6.15	6.02	6.04
Italy	3.56	3.55	3.37	4.08	4.11	4.62	4.81	4.87
Finland	5.59	6.01	6.10	7.71	8.24	9.29	9.28	8.84
Sweden	---	6.44	7.00	7.52	8.46	8.88	8.69	8.37
Norway	---	5.13	5.88	6.15	5.93	5.71	6.42	6.16
Denmark	5.56	5.78	6.75	7.38	8.08	7.35	7.29	7.06
Japan	2.08	1.80	1.56	1.65	1.90	2.06	2.02	1.96
Australia	2.94	3.48	3.45	3.39	4.27	6.01	5.82	5.52
Mean	5.16	5.23	5.30	5.84	6.18	6.58	6.55	6.37
Std. Dev.	2.01	1.88	1.89	2.10	2.13	2.10	2.04	1.95
Coeff. of Var.	0.39	0.36	0.36	0.36	0.35	0.32	0.31	0.31
Minimum	2.08	1.80	1.56	1.65	1.90	2.06	2.02	1.96
Maximum	8.99	8.76	9.01	9.08	9.13	9.36	9.28	9.22

**Table 23**  
**General Government Expenditures on Wages and Salaries**  
**(as a percentage of GDP)**

	1960	1965	1970	1975	1980	1985	1987	1988
United States	7.94	8.33	10.21	10.70	9.97	9.39	9.50	9.58
Canada	8.46	10.51	13.31	13.70	13.08	13.12	12.84	12.21
United Kingdom	9.14	9.50	10.48	13.98	12.80	12.49	12.29	11.85
Netherlands	---	---	11.20	13.04	12.99	11.17	11.03	10.69
Belgium	---	---	9.58	12.00	13.15	12.85	12.01	11.34
France	---	9.30	9.84	10.84	11.56	14.67	14.29	13.70
Fed. Rep. Germany	6.76	7.69	8.77	11.43	10.98	10.59	10.53	10.28
Austria	8.96	9.26	10.17	11.51	12.03	12.68	12.95	12.36
Italy	8.61	9.99	10.41	11.37	12.31	11.74	12.08	12.29
Finland	6.62	7.64	8.36	9.35	9.89	10.96	11.41	11.34
Sweden	---	11.36	14.43	16.26	20.37	18.52	18.02	17.58
Norway	---	9.92	11.06	13.15	12.83	12.79	14.46	14.82
Denmark	7.73	10.51	13.20	17.22	18.60	17.93	18.19	18.76
Japan	5.88	6.41	5.88	8.41	8.10	7.64	7.55	7.43
Australia	6.71	7.93	8.99	12.30	12.49	13.07	12.09	11.28
Mean	7.68	9.10	10.39	12.35	12.74	12.64	12.62	12.37
Std. Dev.	1.07	1.36	2.07	2.26	3.00	2.74	2.72	2.81
Coeff. of Var.	0.14	0.15	0.20	0.18	0.24	0.22	0.22	0.23
Minimum	5.88	6.41	5.88	8.41	8.10	7.64	7.55	7.43
Maximum	9.14	11.36	14.43	17.22	20.37	18.52	18.19	18.76

**Table 24**  
**Public Employment**  
**(as a percentage of Working Age Population)**

	1960	1965	1970	1975	1980	1985	1987	1988
United States	7.72	8.63	9.88	10.57	10.77	10.32	10.52	10.67
Canada	---	---	11.47	13.05	12.81	13.62	14.06	14.15
United States	11.68	11.33	12.84	14.83	14.83	14.31	14.38	14.44
Netherlands	6.99	6.75	7.04	7.30	7.62	7.42	7.38	7.30
Belgium	6.90	7.68	8.28	9.32	10.84	10.96	10.89	11.07
France	---	10.84	11.65	12.30	12.74	13.42	13.52	13.48
Fed. Rep. Germany	5.57	6.85	7.71	9.03	9.56	9.57	9.75	9.70
Austria	7.26	8.03	9.13	11.19	12.30	12.92	13.12	13.15
Italy	5.53	6.16	6.74	7.92	8.60	8.75	8.97	9.02
Finland	5.95	6.80	8.42	10.33	12.40	14.01	14.61	15.03
Sweden	9.39	11.25	15.31	19.86	24.39	26.19	25.65	25.73
Norway	---	10.14	12.10	15.01	18.70	22.03	22.77	22.68
Denmark	7.54	9.48	12.70	17.04	20.84	22.12	22.25	22.49
Japan	---	5.64	5.51	5.98	6.19	6.11	5.99	5.89
Australia	6.92	7.65	8.12	10.39	10.65	11.32	11.41	11.14
Mean	7.40	8.37	9.79	11.61	12.88	13.54	13.69	13.73
Std. Dev.	1.71	1.86	2.67	3.67	4.83	5.54	5.54	5.58
Coeff. of Var.	0.23	0.22	0.27	0.32	0.37	0.41	0.40	0.41
Minimum	5.53	5.64	5.51	5.98	6.19	6.11	5.99	5.89
Maximum	11.68	11.33	15.31	19.86	24.39	26.19	25.65	25.73

**Table 25**  
**Public Employment**  
(as a percentage of Total Employment)

	1960	1965	1970	1975	1980	1985	1987	1988
United States	11.84	13.39	14.91	15.57	14.92	14.00	14.03	13.98
Canada	---	---	17.96	19.30	17.96	18.60	18.81	18.73
United Kingdom		15.54	17.70	20.10	19.98	19.29	19.35	19.30
Netherlands	---	---	12.11	13.19	14.24	14.40	14.33	14.17
Belgium	11.36	12.46	13.35	14.88	17.22	17.69	17.62	17.84
France	---	16.10	17.19	18.16	18.74	20.41	20.60	20.59
Fed. Rep. Germany	8.01	9.80	11.15	13.32	14.10	14.33	14.47	14.38
Austria	9.89	11.04	13.12	16.52	17.96	19.64	19.61	19.68
Italy	8.28	9.97	11.23	13.01	13.45	13.79	13.72	13.81
Finland	7.50	8.83	11.52	14.33	16.93	19.18	20.11	20.75
Sweden	12.48	15.23	20.36	25.20	30.19	31.91	31.07	30.97
Norway	---	14.83	17.53	21.22	24.85	28.44	28.38	28.31
Denmark	10.20	12.64	17.01	22.37	26.32	27.01	26.94	27.25
Japan	---	7.85	7.64	8.49	8.62	8.43	8.27	8.10
Australia	---	11.38	11.62	14.62	15.07	16.04	15.80	15.30
Mean	9.94	12.24	14.29	16.69	18.04	18.88	18.87	18.88
Std. Dev.	1.75	2.59	3.40	4.20	5.34	6.00	5.91	5.97
Coeff. of Var.	0.18	0.21	0.24	0.25	0.30	0.32	0.31	0.32
Minimum	7.50	7.85	7.64	8.49	8.62	8.43	8.27	8.10
Maximum	12.48	16.10	20.36	25.20	30.19	31.91	31.07	30.97

**Table 26**  
**Military Personnel**  
(as a percentage of Working Age Population)

	1960	1965	1970	1975	1980	1985	1987	1988
United States	2.29	2.28	2.49	1.53	1.36	1.35	1.34	1.33
Canada	1.14	1.04	0.71	0.52	0.48	0.49	0.49	0.48
United Kingdom	1.83	1.26	1.12	0.98	0.91	0.88	0.85	0.85
Netherlands	2.15	1.77	1.49	1.29	1.18	1.01	1.02	0.99
Belgium	1.86	1.78	1.56	1.39	1.36	1.38	1.36	1.33
France	3.62	1.79	1.60	1.52	1.44	1.28	1.21	1.20
Fed. Rep. Germany	0.82	1.14	1.21	1.25	1.17	1.12	1.11	1.11
Austria	0.76	0.91	1.09	0.81	1.04	1.07	1.07	1.07
Italy	0.97	1.14	1.18	1.17	0.99	0.98	0.99	0.97
Finland	1.41	1.18	1.31	1.14	1.23	1.09	1.03	1.05
Sweden	1.62	2.05	1.56	1.33	1.24	1.22	1.24	1.23
Norway	1.63	1.28	1.69	1.40	1.44	1.39	1.30	1.29
Denmark	1.09	1.65	1.40	1.06	1.06	0.87	0.85	0.85
Japan	0.39	0.37	0.36	0.31	0.31	0.30	0.29	0.29
Australia	0.75	0.97	1.06	0.78	0.74	0.68	0.65	0.64
Mean	1.49	1.37	1.32	1.10	1.06	1.01	0.99	0.98
Std. Dev.	0.78	0.48	0.46	0.35	0.32	0.31	0.30	0.30
Coeff. of Var.	0.53	0.35	0.35	0.32	0.31	0.31	0.31	0.31
Minimum	0.39	0.37	0.36	0.31	0.31	0.30	0.29	0.29
Maximum	3.62	2.28	2.49	1.53	1.44	1.39	1.36	1.33

end of the 1980's. Again, the Scandinavian countries stand out in terms of their rapid growth in this sphere. Three of the four approached or surpassed the 30 percent level by the end of the 1980's.

Developments in government sector employment reflect those trends described earlier in terms of the different tendencies that have marked the movement of the two components of government consumption expenditures, military and civilian (see Tables 26 and 27). Thus, relative participation in the military has declined; indeed, since 1960, it has dropped by one-third, going from an average of about one and a half percent to slightly less than one percent. On the other side, since 1970 employment in civilian functions of the government sector has risen dramatically (i.e., by a factor of approximately .5), going from about eight and a half to twelve and three-quarters percent of the working age population.

This significant expansion in government employment was accompanied by one positive aspect, at least in terms of its costs. This is reflected in Table 28, which provides information on relative wage rates. Thus, one can see that the relatively large gap between wage rates in government and those prevailing in the private sector has narrowed appreciably. On average, in 1970, the average wage rate in the government sector was nearly 18 percent higher than in the private sector. This diminished to around seven percent by 1980 and further shrank to only slightly more than two percent in the mid to late 1980's.

Declining relative wage rates are symptomatic of a more general development in relative price movements. As Figures 3 and 4 demonstrate, these governments, which many have suggested are prone to relatively greater inflationary tendencies than other sectors of their economy (cf., Baumol, 1967; Beck, 1981; Berry and Lowery, 1987; Buchanan and Tullock, 1977), have made major gains since the mid-seventies in reducing the disproportionate increases in costs for the goods and services they

**Table 27**  
**Civilian Public Employment**  
**(as a percentage of Working Age Population)**

	1960	1965	1970	1975	1980	1985	1987	1988
United States	5.42	6.35	7.39	9.04	9.42	8.97	9.18	9.34
Canada	---	---	10.76	12.52	12.32	13.14	13.58	13.67
United Kingdom	9.85	10.08	11.72	13.85	13.91	13.43	13.53	13.59
Netherlands	4.84	4.98	5.55	6.01	6.44	6.40	6.36	6.31
Belgium	5.04	5.90	6.72	7.93	9.48	9.58	9.53	9.74
France	---	9.04	10.05	10.78	11.30	12.14	12.31	12.28
Fed. Rep. Germany	4.74	5.71	6.51	7.78	8.39	8.45	8.63	8.60
Austria	6.51	7.12	8.04	10.38	11.26	11.85	12.05	12.09
Italy	4.56	5.01	5.56	6.75	7.62	7.77	7.98	8.05
Finland	4.53	5.61	7.11	9.19	11.17	12.91	13.59	13.98
Sweden	7.76	9.20	13.75	18.53	23.15	24.97	24.41	24.50
Norway	---	8.86	10.41	13.61	17.27	20.64	21.48	21.39
Denmark	6.46	7.83	11.30	15.98	19.78	21.24	21.40	21.63
Japan	---	5.27	5.14	5.66	5.88	5.82	5.70	5.60
Australia	6.17	6.68	7.06	9.61	9.91	10.65	10.76	10.50
Mean	5.99	6.98	8.47	10.51	11.82	12.53	12.70	12.75
Std. Dev.	1.56	1.67	2.56	3.61	4.73	5.45	5.46	5.50
Coeff. of Var.	0.26	0.24	0.30	0.34	0.40	0.43	0.43	0.43
Minimum	4.53	4.98	5.14	5.66	5.88	5.82	5.70	5.60
Maximum	9.85	10.08	13.75	18.53	23.15	24.97	24.41	24.50

**Table 28**  
**Public Sector Wages**  
**(as a percentage of Private Sector Wages)**

	1960	1965	1970	1975	1980	1985	1987	1988
United States	108.0	105.2	109.3	106.7	99.4	108.4	108.9	108.9
Canada	---	---	110.7	103.6	109.9	105.1	101.7	99.4
United Kingdom	---	93.7	87.6	94.2	90.5	89.3	89.4	89.4
Netherlands	---	---	149.0	147.4	138.3	121.3	119.3	118.0
Belgium	---	---	123.9	120.3	102.5	93.2	90.2	87.2
France	---	99.0	98.7	100.0	104.1	99.2	98.5	97.9
Fed. Rep. Germany	141.2	128.2	126.9	130.9	121.7	115.4	115.2	114.6
Austria	146.1	132.6	130.9	110.4	103.6	100.7	102.9	100.2
Italy	158.7	163.8	134.2	108.0	115.7	119.5	123.9	125.7
Finland	128.0	123.0	116.4	93.1	84.2	82.1	81.9	80.7
Sweden	---	113.4	106.5	94.5	94.3	85.9	85.2	83.7
Norway	---	97.5	92.7	83.2	79.3	71.8	71.9	72.4
Denmark	118.9	129.3	120.3	108.4	97.1	96.8	95.7	98.9
Japan	---	112.4	115.3	127.1	122.6	123.1	125.0	126.8
Australia	---	134.3	147.1	142.3	143.3	128.3	126.4	128.2
Mean	133.47	119.37	117.97	111.34	107.10	102.67	102.41	102.14
Std. Dev.	17.06	19.15	17.46	18.08	17.80	16.08	16.45	17.13
Coeff. of Var.	0.13	0.16	0.15	0.16	0.17	0.16	0.16	0.17
Minimum	107.98	93.72	87.56	83.16	79.35	71.80	71.93	72.43
Maximum	158.66	163.75	149.00	147.44	143.26	128.29	126.43	128.16



### Relative Inflation: Government vs. Private Consumption

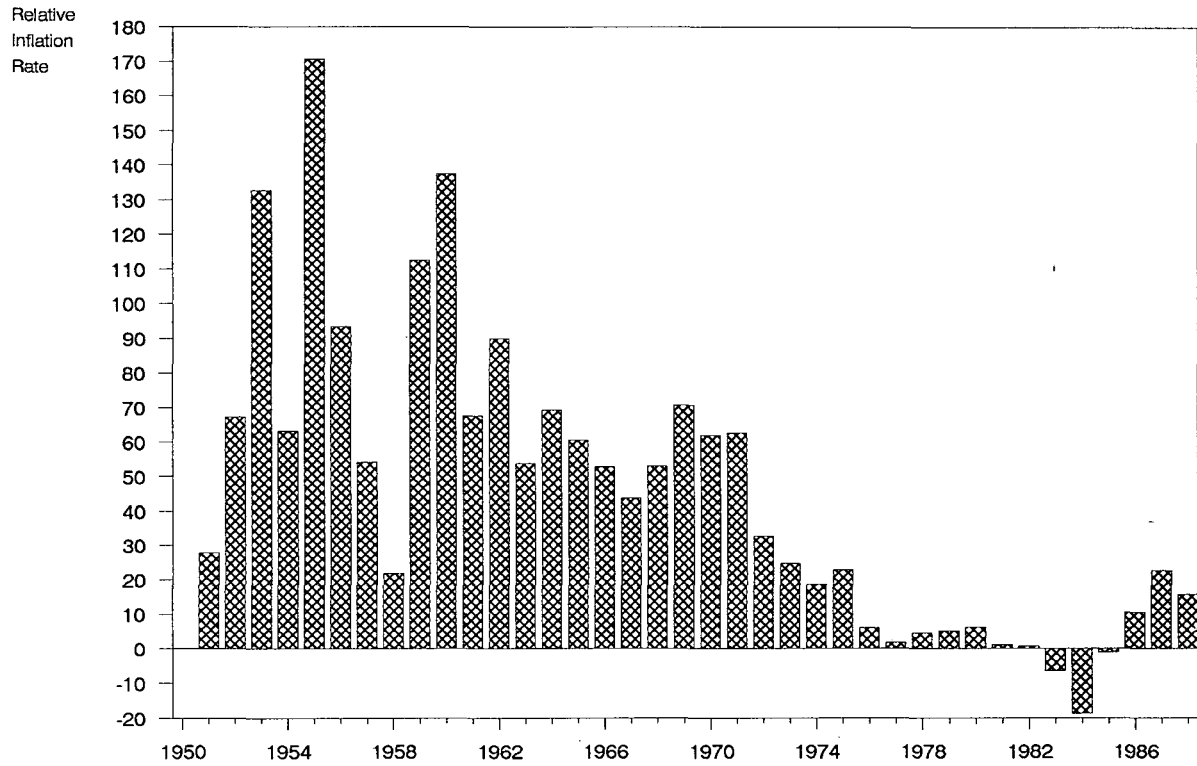


Figure 3

### Relative Inflation: Government vs. Total Economy

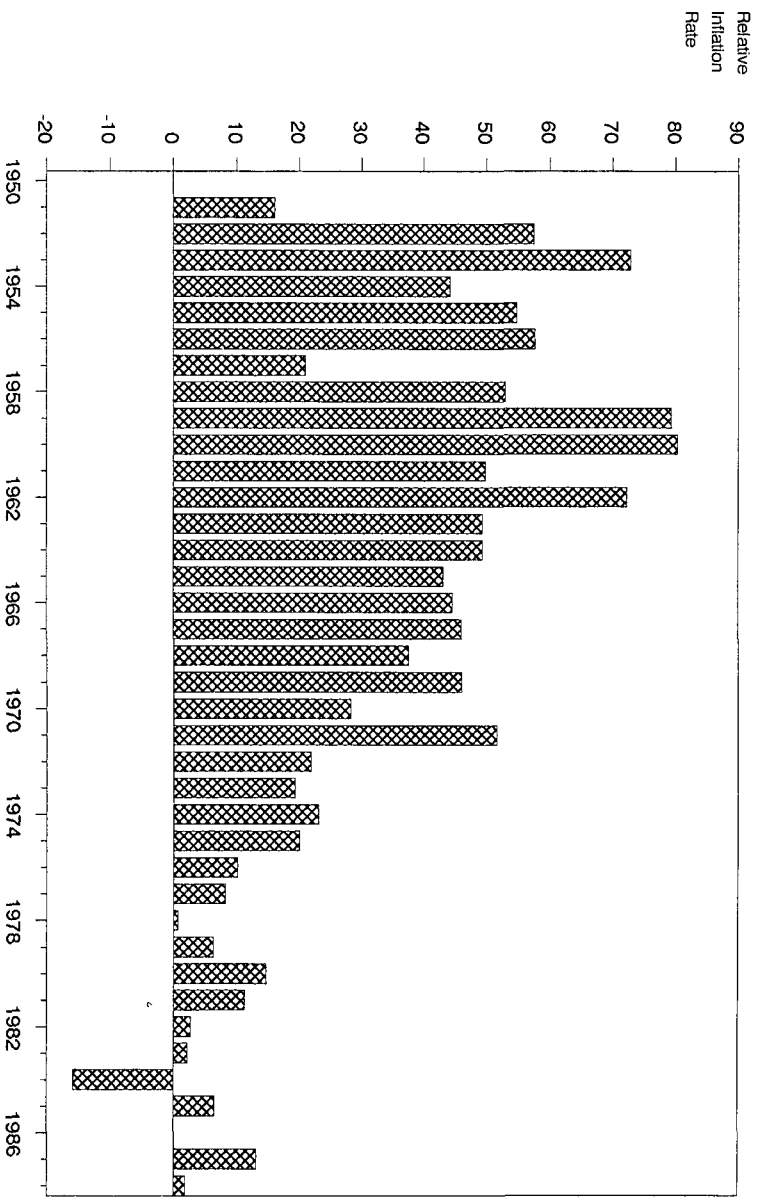


Figure 4

provide.<sup>12)</sup> While the 1950's, 1960's, and early 1970's saw a persistent pattern of government price rises greatly outstripping those in the private sector, the last decade and a half have been marked by a pattern of cost expansion that has been relatively consistent with those marking other sectors of the economy. Indeed, while government prices averaged an annual average increase of about 5.9 percent during both the 1950's and 1960's, private sector consumption prices were rising at about 3.6 percent; in other words, government inflation was advancing about 60 percent faster than prices confronting the household sector in private markets. In the 1970's, a period noted for persistent inflationary pressures, the speed with which government price rises were outstripping the private sector noticeably slowed. Relative inflation moved down to about 21 percent. During the 1980's the price movement in these two sectors have generally converged, with government retaining a barely perceptible lead of less than 2 percent on average. While the cost rises in government goods and services have returned to the about the average rates seen during the 1950's and 1960's, i.e., approximately 6 percent, private sector price increases remain well above the 1950's and 1960's rates.

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<sup>12)</sup> Note that the relative inflation scores are computed as follows:

$$RelInfl_{g,i} = \left( \left( \frac{Infl_g}{Infl_i} \right) \cdot 100 \right) - 100.$$

The inflation data used in these computations represent the annual averages for the 15 countries. The government price change index,  $Infl_g$ , is based on the general government price deflator, the consumption price change index,  $Infl_c$ , is based on the private sector consumption price deflator, and the economy-wide price change index,  $Infl_y$ , is based on the GDP price deflator. Inflation is computed as the annual rate of change in the price series, or  $\ln(Price_{i,t}/Price_{i,t-1}) \cdot 100$ .

## CONCLUSION

The recent major developments in the allocation of societal resources by government revealed in the previous sections can be briefly summarized:

- In the last decade there has been a general slowdown in the growth of the relative size of the government sector as expressed by the ratio of total spending to GDP.
- In general, revenue growth during the last two decades has not kept pace with the growth in spending; the result has been persistent deficits and rising public sector debt ratios.
- While spending as a whole has remained relatively stable during the 1980's, there have been significant changes in its composition. One item in particular has been a major center of growth. Fueled by rising debt, interest payments have grown to the point where they stand at a level, on average, above five percent of GDP.
- Items that previously represented the major growth centers of government spending, viz., transfers to households, subsidies, and civilian government consumption, have either slackened their pace of expansion (transfers), stabilized (civilian consumption), or slightly declined (subsidies).
- The most significant decline has been registered in the area of capital spending. This item, which averaged about four percent of GDP during the 1960's and 1970's, declined appreciably in most countries during the 1980's. By the end of the 1980's the average level of spending on this component was below three percent of GDP.
- Public employment has continued to expand relative to the size of the working age population as well as total employment, though in both cases at a far slower pace than was experienced during the 1960's and 1970's. Nevertheless, wages in the public sector have continued to decline relative to those in the private sector and the wages and salaries component of government spending has stabilized in terms of its share of GDP.

Viewed from a long-term perspective (see Table 29) the recent general slowdown in the expansion of the government sector might be interpreted as perhaps little more than a momentary and needed pause in the middle of a mountainous climb. Toward the end of the last century governments rarely broached the 15 percent level of GDP. By the middle of this century, while many still remained below Clark's "critical threshold" of 25 percent, a few had reached and even surpassed it. At the beginning of the 1980's many had gone well beyond this threshold; indeed, the average for our group of 15 nations had reached 45 percent. The last years have seen a tapering off in this explosive growth. And when one takes into account the resource requirements many of these governments have faced in trying to cover the costs of previous debt accumulation, then there seem to be clear signs that a significant change has occurred. This is illustrated in Figure 5 which plots the growth of total government spending net of interest payments for the countries examined in this study. Here one can see that since the middle of the 1970's (and excluding the bubble that arose as a consequence of a reduced GDP base during the last major world-wide recession), the general tendency has been one of government's spending share stabilizing.

Mention was made in the introductory section of the extensive amount of theorizing and empirical work that has centered on the question of the size of spending by the public sector in these countries. It is notable that much of the literature on the determinants of the size of the public household almost exclusively emphasizes growth and generally ignores the possibility of stability or decline. Hood's (1991) recent review of this literature attempts to elucidate the elements of some of the many approaches in this area that would entail trajectories other than growth. The data reported here suggests the need for similar efforts to revitalize the field. An interesting example of such an effort, which attempts to explain some of the divergent behavior recently manifested by the English-speaking countries, is to be found in Castle's (1990) study.

Revenue growth has not matched spending and as a consequence the public debt ratio has climbed significantly. Why this is has been so is a difficult question to answer given the present state of knowledge. There is a fundamental interdependence among expenditures, revenues, and deficits, i.e., what Crecine calls the *Great Identity*, and yet our understanding of the forces shaping the dimensions of this identity is even less developed than any critical review of the literature on expenditure growth might suggest. Can it be, for example, that decisions regarding revenues and deficits are really the

**Table 29**  
**Historical Perspective on the Growth of the Government Sector**  
**(General Government Total Spending as a Percentage of GDP)**

Year (approx.)	United States	Canada	United Kingdom	Neth.	France	Germany/ FRG	Austria	Italy	Sweden	Norway	Denmark	Japan
1850	--	--	11.1	--	--	--	--	--	--	--	--	--
1860	--	--	10.7	--	--	--	--	--	--	--	9.4	--
1870	--	6.2	8.7	--	11.0	--	11.4	14.4	--	5.9	9.2	--
1880	--	7.0	9.1	--	14.6	9.9	11.7	13.7	--	6.8	8.9	10.5
1890	6.4	7.8	9.2	--	14.3	12.1	12.9	18.4	--	7.4	10.6	11.2
1900	7.2	8.7	14.9	--	14.5	14.2	15.0	16.2	--	9.9	10.8	19.3
1910	7.1	11.3	12.7	--	15.0	15.1	17.6	17.3	10.4	9.3	12.3	38.0
1920	9.4	19.0	27.4	--	32.8	22.4	14.7	30.2	10.9	12.8	15.3	24.8
1930	12.2	20.1	24.7	14.0	21.9	29.4	19.8	22.0	14.0	17.4	13.5	40.3
1938	19.7	25.2	28.6	23.2	26.5	29.4	15.2	29.2	17.7	18.1	16.7	47.7
1950	22.4	21.9	32.0	27.1	29.4	29.2	25.0	24.0	--	24.2	19.6	15.9
1960	28.4	29.1	32.1	33.4	34.0	32.1	30.4	31.7	31.3	31.3	25.2	17.8
1970	33.7	35.8	37.8	42.3	37.7	36.9	35.3	31.7	42.8	41.3	39.4	18.6
1980	35.3	40.6	44.3	56.5	43.3	46.5	47.2	44.9	60.9	48.8	55.6	32.8
1988	36.5	44.0	42.9	55.7	50.1	45.4	49.0	49.6	59.6	53.5	59.5	33.0

**Sources and Notes:**

Data for the period after World War II were developed for this report. Note that the 1950 values reported for Italy, Norway, and Japan are drawn from the nearest available year. Data for the pre-World War II period come from a variety of sources. In the case of the United States prior to 1930, the government data derive from Musgrave and Culberston (1953). The 1930 and 1938 government data are drawn from Tax Foundation (1989). GNP data are used for this era and are taken from Romer (1989) and Tax Foundation (1988). Data reported for nearest available year: 1902 for 1900, 1913 for 1910, 1923 for 1920. Canadian data are drawn from Rosenfeld (1973) for the period from 1870 to 1920. 1930 and 1938 figures derive from Bird (1970). The source for data on United Kingdom, Netherlands, Germany, Sweden, Norway and Denmark is Flora, et al (1983). Note that for Germany the data reported are for the nearest available year, i.e., 1881 for 1880, 1891 for 1890, 1901 for 1900, 1907 for 1910, 1925 for 1920 and 1937 for 1938. This also holds in the following cases: Denmark (1921 for 1920), Sweden (1913 for 1910). The data source for France is Andre and Delorme (1978). Note that the figure for 1870 is actually the 1872 value, the nearest available data point, and the 1910 datum is actually the 1909 value. Austria data come from Neck and Schneider (1986). Note that prior to World War I the data refer to "Cisleithania," the Austrian part of the Hapsburg Monarchy and include only current spending. Missing data problems required the use of the 1924 value for 1920 and the 1936 value for 1938. Italian data are from Brosio and Marchese (n.d.) Data source for Japanese government data is Emi (1972). Note that the percentage figures are based on GNP and not GDP. The national accounts data for Japan are drawn from Emi (1972) and Mitchell (1982).

# Total Government Spending Net of Debt Interest, 1966-1988

(Minimum, Median, and Maximum Values of General Government Total Spending, Less Interest, as a Percent of GDP)

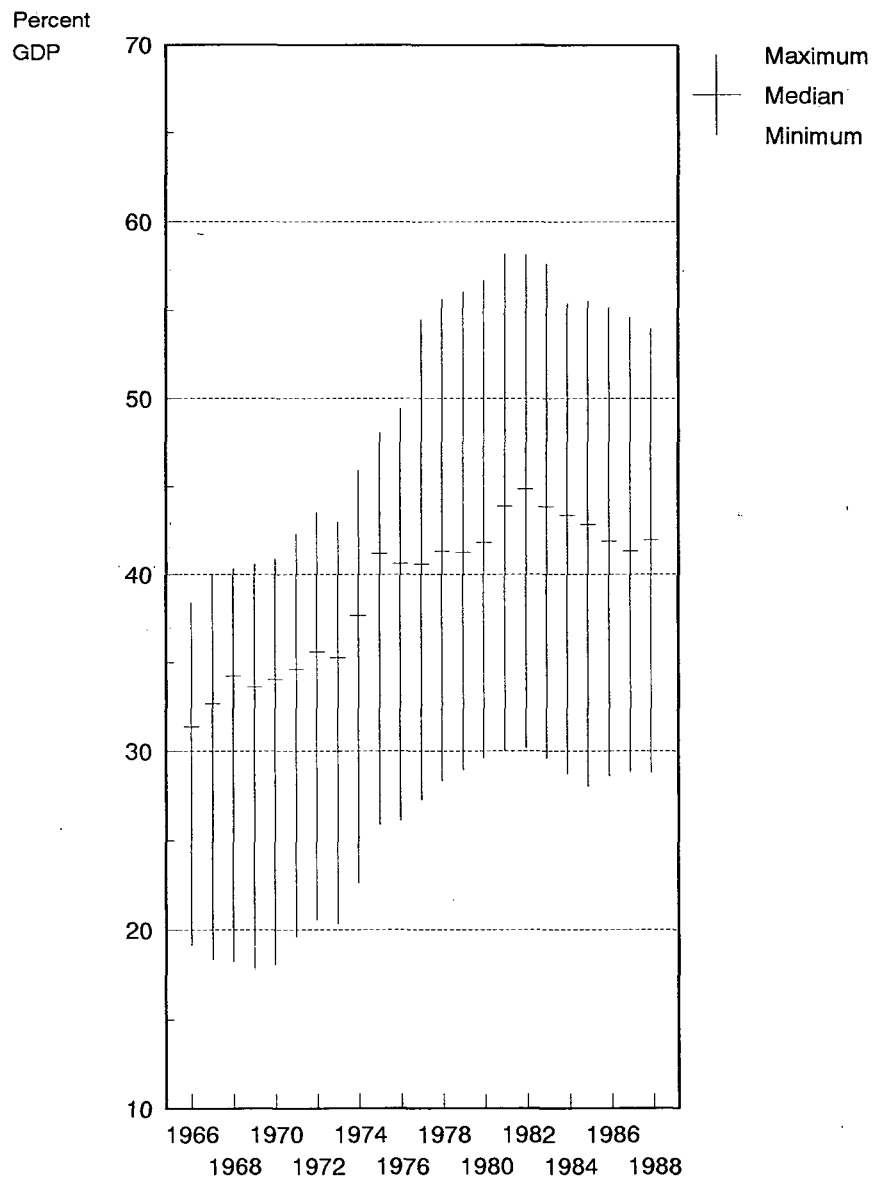


Figure 5

critical points in allocation of societal resources by government--thereby making expenditures truly derivative. Or is there some other combination of decision loci that ultimately rounds out the identity of the budgetary aggregates?

Part the problem here centers on the question of whether one can assume that a consistent causal relationship obtains between revenues and expenditures and, if one does, the direction of causality. For example, the staggering federal deficits in the United States during the 1980's prompted various proposals for bringing them under control. Two sharply contrasting positions on the needed remedy rested on conflicting perspectives with respect to the seemingly technical debate. On the one side were those seeking to reduce the size of government and seeing in tax revenues the ideal instrument: reduce revenues and expenditures would by necessity follow. On the other side were those that believed expenditures drove revenues and the only way to stabilize revenue growth and simultaneously reduce the deficit was to bring spending under control. Blackly's (1986) study of U.S. federal finances provides support for the *TAX* → *SPEND* argument, while von Furstenberg, et al (1985, 1986) as well as Anderson, et al (1988) report results more supportive of the *SPEND* → *TAX* model. Ram's (1988) cross-national study produced mixed results on the question.

One can see this as well in the seemingly implicit position within the field, at least as suggested by the relatively small amount of theoretical and empirical work that has gone into the study of the determinants of budgetary balances, that deficits are a derivative. Nevertheless, there has been some interesting work here. For example, Cowart (1978) has shown that there is no consistent support for the argument that left-dominated governments are more prone to deficit spending than are governments ruled by parties on the right. Barro's (1979) work on the United States suggests that fiscal balances are determined as a consequence of "tax smoothing" on the part of public authorities. Roubini and Sachs (1989) found support for their argument that government coherence is a key factor at work in producing deficits. Coherent governments, i.e., governments controlled by a single party with a majority, are far more resistant to debt accumulation than are incoherent governments, i.e., multi-party coalitions or minority governments.

The growth of interest payments on the debt presents many of these countries with significant problems as they attempt to cope with both the need to bring spending and revenues into line and at the same time cope with a variety of pressures to expand



the former and reduce the latter. The strains involved in reconciling these problems are exacerbated by the unrelenting pressure to pay the costs of past misalignments. Given the confluence of these forces, it is not surprising that more than a few of these governments have engaged in concerted efforts to bring various components of the budget under control.

The slackening in the pace of growth in transfers to the household sector reflects, in part, the slowing down in the expansion of the pension age population. Whereas the average share of the population at pensionable age stood at 11.2 percent for these countries in 1970 and increased to slightly more than 13 percent by 1980, it stood at only 13.8 percent by 1987. However, given the much higher levels of unemployment during the 1980's, one might have expected much greater growth in transfers. The slowing of the tempo of growth reflects concerted efforts by various governments to tighten restrictions on eligibility and cut back on the real value of benefits provided (Oxley, et al, 1990).

The marked downward shift in the share of resources allocated to capital spending may be symptomatic of traditional budgetary strategies that attempt to minimize the consequences of resource scarcity by shielding current operations from cutbacks and delaying investment. While this has the advantage of avoiding pain in the short-term, the long-term consequences can be detrimental. The choice not to provide funds for the maintenance and expansion of economic and social infrastructure cannot be seen in the long term as simply reflecting the willingness to endure public squalor in order to maintain private affluence; the failure to invest in such infrastructure could eventually erode the basis of private affluence. Aschauer's (1989) findings on the contribution of public sector capital investment and productivity in the United States, as well as some limited comparisons he was able to make with other industrialized democracies, would suggest that the economic consequences of these recent trends bode ill for future productivity.<sup>13)</sup>

The success of various OECD governments in cutting back on personnel costs in the period after the 1973 oil shock has been analyzed elsewhere (Cusack, et al, 1989). There it was found that part of this success may be rooted in political-economic

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<sup>13)</sup> A very recent report by Ford and Poret (1991) suggests that Aschauer's results overestimate the impact for the United States and are not to be found in some of the eleven OECD countries that they studied.

arrangements that vary across these countries. It has been demonstrated above that these savings have begun to bring government in line with other sectors of the economy insofar as the price movements that confront it are concerned. The convergence in price movements between the government sector and other sectors of the economy may also reflect the dramatic structural shifts in private sector production and consumption that have taken place during the last decades. For example, in the United States household consumption has shifted dramatically. In 1950, consumption outlays were mainly concentrated on the purchase of non-durable and durable goods, 51 percent and 16 percent respectively, with purchases of services taking the remaining third. By 1988, slightly more than 53 percent of consumer spending was for services, with 14 percent going for durable goods and 32.5 percent going for non-durable items (CEA, 1990: 294). During this same period, prices for services to the household sector increased by nearly 700 percent while only rising by less than 300 percent for durable goods and slightly more than 400 percent for nondurables (CEA, 1990: 298). The mimicking of the government sector by the household sector in terms of its altered propensity to concentrate its outlays on the purchase of services from others may partially account for the convergence in price movements that has occurred.

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## APPENDIX

Data in the form of annual time series on various elements of general government expenditures, revenues, and employment are provided in this appendix. There are six groupings of tables; the first five provide a table on each country while the sixth incorporates series for all fifteen countries. In general, the time series run from 1950 through 1988. Table A.5 is an exception; it covers the more limited time frame of 1960 through 1988. Note that a missing data point is indicated by the following characters: "----". The tables included here along with their contents are described below. Following that, the principal sources used in constructing the data series are provided.

Tables A.1.1 through  
A.1.15                      General Government Expenditures (as % GDP) According  
to Nutter's Scheme

This table provides an update to Nutter's (1978) report. His data generally run from the early 1950's to the early 1970's. The categories used are the same as Nutter's. Thus, *total expenditures* are the sum of *external* and *internal expenditures*. *External expenditures* represent the sum of *military outlays* and *current transfers to the rest of the world*. *Internal spending* is the sum of *transfers to households* (which includes social security benefits, social assistance grants, and other similar spending items) and *all other spending* (including property income payable, non-military consumption, subsidies, and capital items).

Tables A.2.1 through  
A.2.15                      General Government Expenditures as a Percent of GDP:  
Current and Capital Accounts

This table provides a more detailed alternative to the scheme used by Nutter and is more faithful to the presentation form used in the National Accounts. Here *total expenditures* are composed of two major items, *current disbursements* and *capital outlays*. *Current spending* is composed of *government consumption* which is divided between *military* and *civilian* outlays. The two *transfer* items, to *persons or households* and to the *rest of the world (ROW)* are the same aggregates used by Nutter. The two remaining items within the *current* account include *debt interest* (note here that in actuality what is presented is

property income payable which itself is the sum of interest payments plus net land rent and royalties--this latter item is rarely reported and when so is generally miniscule) and *subsidies*. The *capital* term is the sum of all expenditure items in the capital accounts.

Tables A.3.1 through  
A.3.15

General Government Revenues, Expenditures, and Balances (as % GDP)

This table helps to round out the description of government finance by providing information on *revenues* which, in conjunction with the *aggregate expenditure* items from Table 2, allows one to determine the *balancing items* (i.e., *deficits* or *surpluses*).

Tables A.4.1 through  
A.4.15

Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid

This table provides an alternative perspective on the *external* side of government's resource allocation activities. Here, instead of *current transfers to the rest of the world*, the *foreign aid total* (as well as the way it is distributed between *bilateral* and *multilateral* channels) is provided along with *military spending*. Note that the *aid expenditure* figures represent *net official development aid assistance flows*. Also provided in the last column in the table is an index characterizing the *quality of aid*. The scoring procedure for this index derives from Mosley (1985) and is described above.

Tables A.5.1 through  
A.5.15

Government Employment, Consumption and Wage Ratio

This table provides information related to government employment. Government employment is limited here to what are described as *producers of government services*. The *total* figure is given (expressed as a percent working age population) and its two major components (i.e., *military* and *civilian*, again in the form of percentages of working age population) are also provided. *Government*

*consumption outlays* are once again provided and then broken down in a way different from the preceding tables. Here they are distributed between *non-wage* and *wage* outlays. Finally, a measure of the cost of employment in the public sector relative to the private sector is provided. The *wage ratio* term is the compensation per employee in the public sector expressed as a percentage of per employee compensation in the private sector.

Table A.6

Government Price Deflator

This table provides a listing of each country's *government consumption price deflator* using 1980 as the base year.

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**Table A.1.1**  
**United States**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

<b>Year</b>	<b>Total</b>	<b>External: Total</b>	<b>Military</b>	<b>Transfer</b>	<b>Internal: Total</b>	<b>Transfer</b>	<b>Other</b>
1950	22.37	6.40	5.09	1.31	15.97	4.89	11.08
1951	24.94	11.07	10.08	0.99	13.87	3.39	10.48
1952	28.34	14.24	13.62	0.62	14.10	3.22	10.88
1953	28.79	14.02	13.45	0.57	14.77	3.29	11.48
1954	27.93	12.13	11.73	0.40	15.80	3.91	11.90
1955	25.76	10.50	10.12	0.38	15.26	3.85	11.41
1956	25.92	10.30	9.87	0.43	15.62	3.91	11.71
1957	26.98	10.34	9.95	0.39	16.64	4.35	12.29
1958	29.59	10.52	10.10	0.41	19.07	5.26	13.82
1959	28.05	9.85	9.46	0.39	18.20	5.01	13.19
1960	28.35	9.36	8.98	0.38	18.99	5.13	13.87
1961	29.80	9.54	9.13	0.40	20.27	5.66	14.60
1962	29.73	9.68	9.30	0.39	20.05	5.39	14.66
1963	29.48	9.16	8.79	0.37	20.32	5.38	14.94
1964	28.99	8.40	8.05	0.34	20.59	5.20	15.40
1965	28.09	7.84	7.52	0.32	20.25	5.20	15.05
1966	29.06	8.73	8.43	0.30	20.33	5.24	15.09
1967	31.68	9.74	9.46	0.28	21.94	5.88	16.06
1968	32.41	10.08	9.27	0.81	22.33	6.21	16.12
1969	31.66	9.17	8.65	0.52	22.49	6.33	16.16
1970	33.66	8.35	7.87	0.48	25.31	7.31	18.01
1971	33.50	7.51	6.97	0.54	25.99	7.96	18.04
1972	33.14	7.17	6.57	0.60	25.97	8.03	17.95
1973	32.30	6.37	5.95	0.42	25.93	8.25	17.68
1974	33.38	6.39	6.04	0.35	26.99	9.42	17.57
1975	35.95	6.24	5.90	0.34	29.71	11.01	18.70
1976	34.94	5.53	5.32	0.21	29.40	10.96	18.45
1977	33.85	5.47	5.29	0.18	28.38	10.52	17.86
1978	33.12	5.28	5.09	0.19	27.85	10.02	17.83
1979	33.25	5.32	5.12	0.20	27.93	10.09	17.84
1980	35.28	5.62	5.39	0.23	29.66	11.00	18.67
1981	35.42	6.00	5.79	0.21	29.42	11.10	18.32
1982	37.92	6.68	6.45	0.23	31.25	11.92	19.33
1983	37.05	7.36	7.10	0.26	29.68	11.93	17.76
1984	35.94	7.33	7.03	0.29	28.62	10.95	17.67
1985	36.88	7.34	7.00	0.34	29.53	10.99	18.54
1986	37.12	7.33	6.99	0.34	29.79	11.00	18.80
1987	36.95	6.71	6.43	0.28	30.24	10.77	19.47
1988	36.52	6.08	5.81	0.27	30.44	10.62	19.81

**Table A.1.2**  
**Canada**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

<b>Year</b>	<b>Total</b>	<b>External: Total</b>	<b>Military</b>	<b>Transfer</b>	<b>Internal: Total</b>	<b>Transfer</b>	<b>Other</b>
1950	21.86	2.79	2.76	0.03	19.06	5.75	13.31
1951	23.22	5.84	5.80	0.04	17.39	4.90	12.48
1952	25.42	7.59	7.53	0.07	17.83	5.62	12.21
1953	26.23	7.93	7.83	0.10	18.30	5.81	12.50
1954	27.30	7.18	7.13	0.04	20.12	6.58	13.54
1955	26.76	6.83	6.74	0.09	19.93	6.43	13.50
1956	25.96	6.24	6.15	0.10	19.71	5.75	13.96
1957	27.12	5.86	5.73	0.13	21.26	6.51	14.76
1958	29.40	5.43	5.27	0.16	23.97	7.99	15.98
1959	29.69	4.91	4.71	0.21	24.77	7.90	16.87
1960	29.06	4.43	4.27	0.16	24.63	8.06	16.57
1961	30.31	4.47	4.28	0.19	25.84	6.75	19.09
1962	30.24	4.30	4.17	0.14	25.93	6.70	19.23
1963	29.71	3.87	3.68	0.19	25.84	6.40	19.44
1964	29.06	3.75	3.56	0.19	25.31	6.24	19.07
1965	29.32	3.17	2.96	0.21	26.15	6.11	20.04
1966	30.36	3.13	2.82	0.31	27.23	5.99	21.24
1967	32.28	3.24	2.92	0.32	29.03	6.94	22.09
1968	33.20	2.86	2.63	0.23	30.34	7.46	22.87
1969	33.64	2.59	2.36	0.23	31.05	7.65	23.40
1970	35.83	2.67	2.38	0.28	33.17	8.08	25.09
1971	36.64	2.49	2.23	0.26	34.15	8.66	25.49
1972	37.22	2.37	2.11	0.26	34.85	9.36	25.49
1973	35.52	2.18	1.93	0.25	33.33	9.00	24.34
1974	36.76	2.19	1.92	0.27	34.57	9.21	25.36
1975	40.59	2.23	1.88	0.36	38.36	9.89	28.48
1976	39.17	2.13	1.85	0.28	37.04	9.76	27.29
1977	40.07	2.23	1.93	0.30	37.84	10.11	27.73
1978	40.53	2.40	1.97	0.43	38.13	10.15	27.98
1979	39.04	2.07	1.79	0.28	36.97	9.54	27.44
1980	40.56	1.96	1.69	0.27	38.60	9.88	28.72
1981	41.54	2.05	1.80	0.25	39.49	9.79	29.70
1982	45.28	2.36	2.07	0.29	42.92	11.47	31.45
1983	46.06	2.43	2.13	0.30	43.64	12.42	31.22
1984	46.02	2.51	2.15	0.36	43.51	12.15	31.36
1985	46.44	2.49	2.14	0.35	43.96	12.29	31.67
1986	45.48	2.51	2.16	0.36	42.97	12.25	30.71
1987	45.19	2.51	2.12	0.40	42.68	12.36	30.32
1988	44.00	2.45	2.04	0.41	41.55	11.97	29.58

**Table A.1.3**  
**United Kingdom**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

<b>Year</b>	<b>Total</b>	<b>External: Total</b>	<b>Military</b>	<b>Transfer</b>	<b>Internal: Total</b>	<b>Transfer</b>	<b>Other</b>
1950	32.05	6.78	6.40	0.38	25.26	5.24	20.03
1951	34.96	8.29	7.85	0.44	26.67	4.92	21.75
1952	37.22	10.28	9.84	0.44	26.94	5.27	21.67
1953	36.49	10.29	9.89	0.41	26.20	5.45	20.75
1954	33.51	9.11	8.72	0.39	24.40	5.25	19.15
1955	32.58	8.55	8.18	0.37	24.03	5.40	18.63
1956	32.31	8.12	7.77	0.35	24.19	5.32	18.87
1957	31.81	7.51	7.17	0.34	24.31	5.32	18.99
1958	32.52	7.28	6.94	0.34	25.24	6.14	19.10
1959	32.62	6.94	6.60	0.34	25.68	6.46	19.22
1960	32.08	6.79	6.44	0.35	25.29	6.11	19.17
1961	33.47	6.62	6.22	0.39	26.85	7.06	19.79
1962	34.36	6.69	6.31	0.38	27.67	7.44	20.23
1963	34.54	6.51	6.12	0.39	28.03	7.88	20.14
1964	34.20	6.45	6.00	0.45	27.75	7.65	20.10
1965	34.94	6.29	5.84	0.45	28.64	8.15	20.49
1966	35.62	6.07	5.64	0.43	29.55	8.36	21.19
1967	37.79	6.05	5.64	0.41	31.73	8.88	22.86
1968	38.31	5.68	5.33	0.36	32.63	9.38	23.24
1969	37.72	5.25	4.92	0.33	32.47	9.39	23.07
1970	37.77	5.06	4.76	0.29	32.72	9.43	23.29
1971	37.28	5.19	4.88	0.31	32.09	9.28	22.81
1972	39.16	5.38	5.10	0.28	33.78	10.22	23.55
1973	38.98	5.20	4.76	0.44	33.78	9.78	24.00
1974	43.15	5.29	4.96	0.33	37.86	10.45	27.41
1975	45.35	5.15	4.87	0.28	40.20	10.40	29.80
1976	44.81	5.42	4.85	0.57	39.39	10.61	28.78
1977	42.75	5.39	4.68	0.70	37.37	10.76	26.61
1978	42.25	5.50	4.55	0.95	36.76	10.86	25.90
1979	42.40	5.60	4.61	0.99	36.80	10.79	26.01
1980	44.27	5.66	4.93	0.73	38.61	11.48	27.14
1981	45.80	5.37	4.79	0.58	40.43	13.04	27.39
1982	46.13	5.59	5.01	0.58	40.53	13.97	26.56
1983	47.37	5.75	5.20	0.55	41.62	14.66	26.95
1984	48.21	5.92	5.36	0.56	42.29	14.92	27.37
1985	46.83	6.02	5.17	0.85	40.81	14.73	26.08
1986	46.47	5.58	5.08	0.49	40.89	14.93	25.96
1987	42.86	5.28	4.59	0.69	37.58	13.94	23.64
1988	---	---	---	---	---	---	---

**Table A.1.4**  
**Netherlands**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	27.09	4.86	4.80	0.06	22.23	6.71	15.51
1951	27.63	5.00	4.95	0.05	22.64	7.68	14.96
1952	27.34	5.65	5.60	0.05	21.69	7.35	14.33
1953	29.35	5.64	5.59	0.05	23.71	7.46	16.25
1954	29.15	6.07	5.95	0.12	23.09	7.47	15.62
1955	29.18	6.03	5.71	0.32	23.15	7.23	15.91
1956	32.62	5.95	5.72	0.24	26.67	7.32	19.35
1957	35.55	5.48	5.25	0.23	30.07	8.99	21.09
1958	36.63	4.92	4.67	0.25	31.71	10.55	21.15
1959	35.05	4.20	3.98	0.22	30.85	10.28	20.57
1960	33.45	4.07	3.93	0.14	29.38	9.92	19.46
1961	34.26	4.61	4.33	0.28	29.65	10.17	19.48
1962	35.17	4.78	4.37	0.41	30.39	10.66	19.73
1963	36.87	4.21	4.25	-0.04	32.65	12.25	20.41
1964	37.89	4.37	4.17	0.20	33.52	12.32	21.21
1965	39.08	4.07	3.81	0.26	35.02	13.48	21.53
1966	40.99	3.81	3.59	0.22	37.18	14.60	22.58
1967	42.74	4.09	3.76	0.33	38.64	15.36	23.29
1968	40.67	3.78	3.47	0.30	36.89	16.44	20.45
1969	41.30	3.69	3.44	0.25	37.61	17.10	20.51
1970	42.33	3.54	3.29	0.24	38.79	17.72	21.07
1971	44.23	4.12	3.22	0.90	40.10	18.95	21.15
1972	44.92	4.09	3.17	0.92	40.84	20.01	20.83
1973	44.84	4.08	3.03	1.05	40.76	20.41	20.35
1974	46.74	4.07	3.07	1.00	42.67	22.12	20.56
1975	51.84	4.74	3.23	1.51	47.10	23.01	24.09
1976	52.02	4.45	3.03	1.42	47.57	23.49	24.08
1977	53.14	4.90	3.31	1.59	48.25	25.03	23.22
1978	54.41	4.82	3.08	1.74	49.59	25.49	24.10
1979	55.63	4.92	3.20	1.72	50.71	26.73	23.98
1980	56.50	4.77	3.09	1.68	51.73	27.09	24.64
1981	58.22	4.83	3.20	1.63	53.39	28.15	25.25
1982	59.20	3.74	3.24	0.49	55.46	29.66	25.80
1983	59.94	3.67	3.19	0.48	56.28	30.58	25.69
1984	58.52	3.79	3.19	0.60	54.73	29.20	25.53
1985	57.59	3.75	3.10	0.65	53.84	28.51	25.33
1986	56.23	3.76	3.08	0.68	52.47	28.03	24.44
1987	57.26	3.71	3.07	0.64	53.55	28.62	24.93
1988	55.71	4.00	2.96	1.04	51.71	27.85	23.86

**Table A.1.5**  
**Belgium**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	---	---	---	---	---	---	---
1951	---	---	---	---	---	---	---
1952	---	---	---	---	---	---	---
1953	26.33	4.93	4.86	0.07	21.40	10.15	11.25
1954	26.58	5.00	4.88	0.12	21.58	9.74	11.84
1955	24.98	3.90	3.78	0.11	21.09	9.49	11.60
1956	24.83	3.66	3.56	0.10	21.17	9.31	11.85
1957	24.90	3.70	3.61	0.10	21.20	9.25	11.95
1958	26.86	3.65	3.57	0.08	23.22	10.49	12.73
1959	28.13	3.63	3.52	0.11	24.50	11.21	13.30
1960	30.75	3.53	3.44	0.09	27.22	11.49	15.73
1961	30.44	3.56	3.30	0.25	26.89	11.14	15.75
1962	31.35	3.83	3.53	0.30	27.52	11.49	16.03
1963	32.09	3.77	3.46	0.31	28.31	11.61	16.70
1964	31.61	3.69	3.44	0.25	27.92	11.04	16.88
1965	32.98	3.43	3.21	0.23	29.54	12.60	16.94
1966	34.33	3.38	3.16	0.22	30.95	12.95	18.00
1967	35.38	3.52	3.18	0.34	31.86	13.20	18.66
1968	37.25	3.54	3.16	0.38	33.71	14.24	19.47
1969	36.89	3.39	2.98	0.41	33.50	13.91	19.59
1970	37.46	3.56	2.96	0.59	33.90	14.29	19.62
1971	38.72	3.61	2.94	0.67	35.12	14.44	20.67
1972	39.63	3.43	2.92	0.50	36.21	15.10	21.11
1973	39.92	3.60	2.88	0.72	36.32	15.67	20.65
1974	40.42	3.41	2.81	0.60	37.02	16.21	20.81
1975	44.83	3.99	3.12	0.87	40.84	18.24	22.60
1976	45.60	3.69	3.17	0.52	41.92	19.21	22.71
1977	47.26	3.81	3.23	0.58	43.45	19.93	23.53
1978	48.59	3.90	3.35	0.55	44.69	20.33	24.37
1979	50.06	3.80	3.35	0.46	46.26	20.95	25.32
1980	51.68	4.13	3.38	0.75	47.55	20.73	26.82
1981	56.38	4.43	3.54	0.89	51.96	22.32	29.64
1982	56.90	4.42	3.43	0.99	52.47	22.12	30.36
1983	54.73	4.19	3.24	0.95	50.54	22.76	27.78
1984	54.09	3.87	3.07	0.80	50.21	22.33	27.89
1985	53.39	3.53	2.92	0.61	49.86	21.68	28.18
1986	52.72	3.36	2.78	0.57	49.37	21.18	28.19
1987	51.90	3.80	2.92	0.88	48.10	21.36	26.74
1988	50.33	3.57	2.74	0.83	46.76	20.85	25.91

**Table A.1.6**  
**France**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

<b>Year</b>	<b>Total</b>	<b>External: Total</b>	<b>Military</b>	<b>Transfer</b>	<b>Internal: Total</b>	<b>Transfer</b>	<b>Other</b>
1950	29.35	6.29	5.80	0.49	23.06	11.73	11.33
1951	31.98	7.85	7.42	0.43	24.13	12.11	12.02
1952	34.60	9.45	8.85	0.60	25.15	12.06	13.09
1953	35.53	10.16	9.54	0.63	25.36	12.86	12.50
1954	34.28	8.18	7.57	0.61	26.09	13.08	13.01
1955	34.24	7.28	6.56	0.72	26.97	13.34	13.63
1956	35.31	8.58	7.70	0.88	26.73	13.11	13.62
1957	35.20	8.21	7.37	0.85	26.99	13.42	13.57
1958	34.30	7.68	6.80	0.89	26.62	13.17	13.45
1959	34.51	8.36	6.71	1.65	26.15	13.23	12.93
1960	34.01	8.14	6.46	1.68	25.88	13.14	12.74
1961	34.17	7.99	6.31	1.68	26.18	13.76	12.43
1962	35.54	7.63	6.14	1.48	27.92	14.80	13.12
1963	36.24	6.84	5.64	1.20	29.39	15.69	13.71
1964	36.22	6.57	5.41	1.17	29.65	15.92	13.73
1965	36.58	6.33	5.23	1.10	30.24	16.30	13.94
1966	36.54	6.14	5.11	1.04	30.40	16.50	13.90
1967	37.16	6.17	5.11	1.06	30.99	16.73	14.26
1968	38.51	5.94	4.92	1.01	32.58	17.12	15.46
1969	38.10	5.39	4.38	1.01	32.72	17.26	15.46
1970	37.66	5.08	4.18	0.91	32.58	17.31	15.26
1971	37.22	4.98	4.00	0.98	32.24	17.41	14.83
1972	37.27	4.88	3.87	1.01	32.39	17.82	14.57
1973	37.37	4.84	3.80	1.04	32.53	18.21	14.32
1974	38.46	4.68	3.75	0.93	33.79	18.66	15.13
1975	41.52	4.43	3.85	0.58	37.09	18.77	18.32
1976	41.20	4.38	3.81	0.57	36.82	18.69	18.13
1977	41.81	4.47	3.88	0.59	37.33	19.21	18.13
1978	42.68	4.52	3.93	0.59	38.16	20.11	18.04
1979	42.66	4.52	3.91	0.61	38.14	20.04	18.10
1980	43.31	4.61	3.99	0.62	38.71	20.38	18.33
1981	45.93	4.79	4.17	0.62	41.13	21.73	19.41
1982	47.73	4.86	4.15	0.71	42.87	22.67	20.20
1983	51.29	4.91	4.12	0.79	46.38	23.17	23.21
1984	51.66	4.77	4.05	0.72	46.89	23.24	23.65
1985	52.00	4.79	3.98	0.82	47.21	23.47	23.74
1986	51.62	4.59	3.90	0.69	47.03	23.40	23.63
1987	51.60	4.64	3.96	0.68	46.96	23.43	23.53
1988	50.10	4.64	3.78	0.85	45.46	22.87	22.59



**Table A.1.7**  
**Federal Republic of Germany**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

<b>Year</b>	<b>Total</b>	<b>External: Total</b>	<b>Military</b>	<b>Transfer</b>	<b>Internal: Total</b>	<b>Transfer</b>	<b>Other</b>
1950	29.25	4.18	3.57	0.60	25.08	12.30	12.78
1951	30.78	6.88	5.93	0.94	23.91	11.20	12.70
1952	32.01	7.04	5.89	1.16	24.97	11.74	13.23
1953	30.80	5.78	4.21	1.58	25.01	11.82	13.19
1954	31.40	5.70	4.08	1.62	25.70	11.92	13.78
1955	30.44	5.58	4.09	1.49	24.86	11.43	13.49
1956	30.63	5.12	3.63	1.50	25.51	11.57	13.94
1957	32.96	5.79	4.14	1.65	27.18	13.01	14.17
1958	33.06	4.66	2.96	1.70	28.40	13.69	14.71
1959	33.78	6.22	4.38	1.83	27.56	12.99	14.57
1960	32.17	4.68	4.00	0.68	27.49	12.42	15.07
1961	32.52	4.78	3.97	0.81	27.74	12.37	15.38
1962	34.05	5.56	4.78	0.79	28.48	12.49	16.00
1963	35.46	5.96	5.21	0.75	29.51	12.56	16.95
1964	35.26	5.33	4.65	0.68	29.93	12.58	17.35
1965	35.65	5.01	4.34	0.68	30.64	12.88	17.76
1966	36.21	4.68	4.15	0.53	31.53	13.20	18.34
1967	37.85	4.95	4.33	0.62	32.90	14.35	18.55
1968	37.42	4.54	3.62	0.92	32.89	13.95	18.94
1969	36.96	4.54	3.61	0.93	32.41	13.47	18.95
1970	36.90	4.11	3.34	0.77	32.79	12.87	19.92
1971	37.79	4.20	3.39	0.81	33.60	12.94	20.66
1972	38.81	4.49	3.49	1.01	34.31	13.38	20.93
1973	39.60	4.58	3.48	1.10	35.02	13.44	21.59
1974	42.53	4.67	3.62	1.05	37.86	14.42	23.44
1975	47.18	5.00	3.66	1.34	42.18	16.65	25.53
1976	46.11	4.83	3.48	1.36	41.27	16.42	24.86
1977	45.99	4.86	3.36	1.50	41.13	16.18	24.95
1978	45.96	4.87	3.35	1.53	41.09	15.76	25.33
1979	45.83	4.79	3.26	1.53	41.04	15.45	25.59
1980	46.53	4.75	3.28	1.47	41.78	15.58	26.20
1981	47.63	4.91	3.38	1.53	42.72	16.25	26.47
1982	47.80	4.93	3.39	1.54	42.87	16.68	26.19
1983	46.82	4.96	3.37	1.58	41.87	17.62	24.25
1984	46.34	5.03	3.26	1.76	41.31	17.03	24.29
1985	45.91	4.90	3.20	1.70	41.01	16.70	24.30
1986	45.29	4.73	3.12	1.61	40.56	16.35	24.22
1987	45.57	4.66	3.05	1.60	40.92	16.59	24.33
1988	45.43	4.73	2.95	1.79	40.70	16.55	24.15

**Table A.1.8**  
**Austria**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	25.05	0.75	0.73	0.02	24.30	7.84	16.46
1951	28.46	0.92	0.90	0.01	27.55	8.64	18.91
1952	29.28	0.60	0.60	0.00	28.69	10.01	18.68
1953	29.33	0.54	0.54	0.00	28.79	10.46	18.34
1954	27.80	0.37	0.05	0.32	27.43	9.85	17.58
1955	27.67	0.18	0.18	0.01	27.49	9.44	18.05
1956	29.16	0.85	0.84	0.01	28.32	9.74	18.58
1957	29.92	1.39	1.30	0.09	28.53	9.97	18.56
1958	31.95	1.57	1.45	0.12	30.38	10.44	19.95
1959	31.48	1.41	1.36	0.05	30.07	10.49	19.58
1960	30.39	1.24	1.16	0.08	29.15	10.41	18.74
1961	30.97	1.11	1.05	0.06	29.86	10.83	19.03
1962	32.47	1.12	1.08	0.04	31.35	11.81	19.53
1963	33.53	1.52	1.26	0.26	32.02	12.14	19.88
1964	34.17	1.75	1.50	0.24	32.42	12.18	20.24
1965	33.91	1.42	1.20	0.22	32.49	12.22	20.27
1966	34.17	1.46	1.29	0.17	32.71	12.43	20.28
1967	35.92	1.46	1.28	0.18	34.46	13.04	21.42
1968	36.34	1.38	1.23	0.15	34.97	13.29	21.68
1969	35.97	1.34	1.20	0.14	34.63	13.28	21.36
1970	35.34	1.24	1.10	0.14	34.10	12.81	21.29
1971	35.66	1.14	0.99	0.15	34.52	13.05	21.47
1972	35.56	1.13	0.98	0.15	34.42	12.88	21.55
1973	35.90	1.12	0.94	0.17	34.78	12.63	22.15
1974	40.14	1.12	0.93	0.19	39.02	15.32	23.70
1975	44.16	1.43	1.21	0.21	42.73	16.68	26.05
1976	45.19	1.44	1.21	0.24	43.74	17.47	26.28
1977	45.35	1.43	1.20	0.24	43.92	17.66	26.25
1978	48.29	1.54	1.28	0.26	46.75	19.12	27.62
1979	47.61	1.56	1.30	0.26	46.05	19.03	27.02
1980	47.21	1.51	1.25	0.26	45.70	18.77	26.93
1981	48.38	1.50	1.24	0.26	46.88	19.22	27.66
1982	48.98	1.53	1.26	0.27	47.45	19.57	27.88
1983	49.09	1.42	1.15	0.27	47.67	20.03	27.65
1984	48.78	1.43	1.16	0.27	47.35	19.97	27.38
1985	49.51	1.50	1.24	0.27	48.01	20.29	27.72
1986	49.97	1.57	1.31	0.26	48.41	20.33	28.07
1987	50.81	1.51	1.23	0.27	49.30	20.98	28.33
1988	49.02	1.37	1.12	0.25	47.65	20.33	27.32

**Table A.1.9**  
**Italy**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	---	---	3.74	---	---	---	---
1951	23.99	4.40	4.26	0.14	19.60	6.32	13.28
1952	26.75	4.62	4.50	0.12	22.13	7.73	14.40
1953	26.72	3.91	3.75	0.16	22.81	8.25	14.56
1954	28.69	4.06	3.98	0.08	24.63	9.03	15.60
1955	28.79	3.81	3.67	0.14	24.98	9.39	15.59
1956	29.21	3.61	3.57	0.04	25.60	9.96	15.64
1957	28.86	3.48	3.48	0.00	25.38	9.80	15.58
1958	29.62	3.45	3.43	0.02	26.16	10.65	15.51
1959	30.46	3.41	3.33	0.07	27.05	10.96	16.09
1960	31.74	3.36	3.28	0.08	28.38	12.57	15.81
1961	28.57	2.94	2.90	0.03	25.63	11.52	14.11
1962	29.42	3.02	2.97	0.05	26.40	11.98	14.41
1963	30.32	3.18	3.10	0.07	27.14	12.56	14.58
1964	31.13	3.14	3.07	0.06	27.99	12.63	15.36
1965	33.26	3.19	3.10	0.09	30.07	14.27	15.80
1966	32.31	3.24	3.17	0.08	29.07	12.68	16.39
1967	31.69	3.03	2.91	0.12	28.67	12.61	16.06
1968	32.92	2.96	2.77	0.18	29.97	13.26	16.71
1969	32.37	2.62	2.53	0.09	29.75	13.32	16.43
1970	31.67	2.89	2.48	0.40	28.78	13.04	15.74
1971	35.25	3.31	2.70	0.60	31.94	14.28	17.65
1972	37.04	3.48	2.88	0.61	33.55	14.94	18.61
1973	36.76	3.38	2.67	0.71	33.38	14.75	18.63
1974	37.53	2.87	2.58	0.30	34.66	14.02	20.64
1975	41.87	2.79	2.48	0.32	39.08	16.01	23.07
1976	41.50	2.54	2.30	0.24	38.96	16.09	22.85
1977	41.94	2.61	2.38	0.22	39.34	15.59	23.72
1978	44.91	2.86	2.39	0.47	42.05	16.50	25.52
1979	44.13	2.54	2.39	0.15	41.59	16.08	25.49
1980	44.90	2.30	2.20	0.10	42.59	16.23	26.35
1981	44.72	2.24	2.11	0.13	42.48	16.09	26.39
1982	47.06	2.44	2.26	0.18	44.62	16.77	27.86
1983	48.67	2.47	2.28	0.19	46.20	17.93	28.27
1984	48.65	2.48	2.28	0.20	46.17	17.56	28.62
1985	48.99	2.51	2.31	0.20	46.49	17.98	28.50
1986	48.99	2.53	2.27	0.26	46.46	17.80	28.66
1987	49.42	2.66	2.43	0.24	46.75	17.98	28.77
1988	49.57	2.60	2.31	0.29	46.98	17.91	29.06

**Table A.1.10**  
**Finland**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	---	---	1.83	---	---	---	---
1951	---	---	1.91	---	---	---	---
1952	---	---	1.31	---	---	---	---
1953	---	---	1.50	---	---	---	---
1954	---	---	1.38	---	---	---	---
1955	---	---	1.63	---	---	---	---
1956	---	---	1.54	---	---	---	---
1957	---	---	1.53	---	---	---	---
1958	---	---	1.59	---	---	---	---
1959	---	---	1.75	---	---	---	---
1960	26.86	1.70	1.69	0.01	25.16	5.81	19.35
1961	26.39	1.80	1.78	0.02	24.58	6.12	18.46
1962	27.76	2.47	2.44	0.03	25.30	6.53	18.76
1963	28.58	1.83	1.79	0.04	26.75	6.85	19.90
1964	29.84	1.76	1.73	0.03	28.07	7.03	21.04
1965	30.68	1.72	1.67	0.05	28.96	7.52	21.44
1966	31.83	1.65	1.60	0.05	30.19	8.05	22.13
1967	32.64	1.56	1.50	0.05	31.08	8.64	22.44
1968	32.70	1.70	1.64	0.06	31.00	8.61	22.39
1969	31.26	1.42	1.34	0.08	29.84	8.24	21.61
1970	30.52	1.37	1.31	0.07	29.15	8.21	20.94
1971	31.89	1.48	1.38	0.10	30.41	8.88	21.53
1972	32.40	1.56	1.44	0.11	30.84	9.07	21.77
1973	30.95	1.47	1.34	0.13	29.47	8.55	20.93
1974	32.07	1.26	1.13	0.13	30.81	8.87	21.95
1975	35.61	1.51	1.39	0.11	34.11	9.51	24.60
1976	37.19	1.56	1.44	0.12	35.63	10.16	25.47
1977	38.40	1.48	1.36	0.12	36.92	10.93	25.99
1978	38.11	1.49	1.39	0.11	36.62	11.12	25.50
1979	37.31	1.58	1.44	0.14	35.73	10.35	25.38
1980	36.95	1.67	1.49	0.17	35.29	9.86	25.43
1981	38.04	1.71	1.50	0.21	36.32	10.06	26.26
1982	39.52	1.90	1.69	0.21	37.62	10.99	26.63
1983	39.90	2.31	2.07	0.24	37.58	11.74	25.84
1984	39.40	2.27	1.99	0.28	37.13	11.64	25.49
1985	41.13	2.27	1.96	0.31	38.86	12.25	26.61
1986	42.05	2.37	2.04	0.32	39.69	12.68	27.01
1987	41.77	2.31	1.95	0.37	39.45	12.56	26.89
1988	39.38	2.32	1.92	0.40	37.05	11.19	25.86

**Table A.1.11**  
**Sweden**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	---	---	3.55	---	---	---	---
1951	---	---	3.64	---	---	---	---
1952	---	---	4.14	---	---	---	---
1953	---	---	4.56	---	---	---	---
1954	---	---	4.54	---	---	---	---
1955	---	---	4.45	---	---	---	---
1956	---	---	4.32	---	---	---	---
1957	---	---	4.34	---	---	---	---
1958	---	---	4.35	---	---	---	---
1959	---	---	4.26	---	---	---	---
1960	31.34	4.08	4.02	0.06	27.26	8.51	18.78
1961	31.48	4.02	3.96	0.06	27.46	8.47	19.02
1962	32.36	4.21	4.11	0.10	28.16	8.61	19.55
1963	34.61	4.35	4.20	0.15	30.26	9.23	21.03
1964	34.86	4.24	4.10	0.14	30.62	9.25	21.37
1965	36.18	4.29	4.14	0.15	31.89	9.84	22.05
1966	38.06	4.30	4.09	0.20	33.76	10.19	23.57
1967	40.11	4.10	3.83	0.27	36.01	10.90	25.11
1968	41.98	3.98	3.68	0.30	38.00	11.56	26.44
1969	42.42	4.11	3.67	0.44	38.31	12.00	26.31
1970	42.75	3.93	3.57	0.36	38.82	11.89	26.94
1971	44.36	3.97	3.61	0.36	40.39	13.06	27.33
1972	45.50	4.02	3.59	0.43	41.49	13.67	27.82
1973	44.43	3.86	3.45	0.41	40.56	13.69	26.87
1974	48.08	3.96	3.38	0.57	44.13	14.56	29.57
1975	49.02	3.94	3.25	0.69	45.08	14.31	30.77
1976	51.59	3.85	3.17	0.68	47.74	15.22	32.52
1977	57.02	4.06	3.26	0.80	52.97	16.79	36.18
1978	58.34	4.09	3.26	0.82	54.26	17.53	36.73
1979	59.15	4.09	3.21	0.88	55.06	17.61	37.45
1980	60.89	3.85	3.06	0.78	57.04	17.91	39.13
1981	63.63	4.06	3.32	0.74	59.57	18.73	40.84
1982	65.17	3.95	3.25	0.70	61.23	18.87	42.36
1983	64.94	3.47	2.78	0.69	61.47	19.55	41.92
1984	63.10	3.33	2.69	0.64	59.77	18.63	41.14
1985	64.02	3.29	2.61	0.68	60.72	19.30	41.43
1986	62.76	3.19	2.54	0.65	59.56	19.59	39.98
1987	61.30	3.18	2.55	0.63	58.12	19.97	38.15
1988	59.59	3.06	2.43	0.63	56.53	20.49	36.03

**Table A.1.12**  
**Norway**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	---	---	2.37	---	---	---	---
1951	24.22	3.14	3.05	0.09	21.08	4.82	16.27
1952	26.24	4.11	4.02	0.10	22.13	5.36	16.76
1953	28.75	5.24	5.10	0.14	23.52	5.92	17.60
1954	28.49	5.17	5.03	0.14	23.33	6.18	17.14
1955	27.97	4.02	3.95	0.07	23.95	6.39	17.56
1956	27.58	3.62	3.54	0.07	23.96	6.25	17.72
1957	26.71	3.37	3.30	0.07	23.34	6.30	17.04
1958	27.75	3.27	3.21	0.06	24.48	6.87	17.61
1959	28.83	3.32	3.26	0.06	25.50	7.64	17.86
1960	31.29	3.30	3.20	0.10	27.99	8.24	19.74
1961	31.24	3.37	3.27	0.11	27.86	8.27	19.59
1962	33.18	3.64	3.53	0.11	29.54	9.00	20.54
1963	34.80	3.68	3.51	0.16	31.12	9.42	21.71
1964	34.93	3.60	3.43	0.18	31.32	9.63	21.69
1965	36.32	3.93	3.75	0.18	32.39	9.72	22.67
1966	36.99	3.78	3.57	0.21	33.21	10.02	23.19
1967	38.52	3.69	3.51	0.18	34.83	10.68	24.15
1968	37.97	3.87	3.61	0.26	34.10	11.55	22.56
1969	39.63	3.92	3.60	0.32	35.70	12.21	23.50
1970	41.26	3.85	3.47	0.37	37.41	13.99	23.42
1971	43.64	3.70	3.39	0.31	39.94	15.27	24.68
1972	45.01	3.68	3.29	0.39	41.33	15.90	25.44
1973	45.04	3.54	3.13	0.40	41.50	16.27	25.23
1974	45.49	3.55	3.04	0.51	41.94	15.82	26.11
1975	46.58	3.80	3.21	0.59	42.78	12.96	29.82
1976	48.53	3.76	3.12	0.64	44.77	13.23	31.54
1977	50.13	3.85	3.10	0.76	46.28	13.37	32.91
1978	52.29	4.04	3.22	0.83	48.25	14.15	34.09
1979	50.93	3.90	3.08	0.81	47.04	14.70	32.34
1980	48.85	3.66	2.89	0.77	45.19	13.61	31.58
1981	48.50	3.69	2.89	0.80	44.81	13.74	31.07
1982	48.69	3.91	3.01	0.90	44.78	14.09	30.69
1983	50.91	4.04	3.08	0.96	46.87	15.47	31.39
1984	48.56	3.66	2.80	0.86	44.90	15.01	29.89
1985	47.70	3.92	3.08	0.84	43.79	14.71	29.08
1986	52.13	4.02	3.07	0.96	48.10	15.82	32.28
1987	51.64	4.29	3.36	0.94	47.35	16.43	30.92
1988	53.54	4.17	3.26	0.91	49.37	18.08	31.29

**Table A.1.13**  
**Denmark**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

<b>Year</b>	<b>Total</b>	<b>External: Total</b>	<b>Military</b>	<b>Transfer</b>	<b>Internal: Total</b>	<b>Transfer</b>	<b>Other</b>
1950	19.59	1.80	1.66	0.13	17.79	5.78	12.01
1951	21.30	2.16	2.05	0.10	19.14	6.42	12.71
1952	22.49	2.85	2.74	0.11	19.64	6.57	13.05
1953	22.89	3.49	3.38	0.11	19.40	6.44	12.94
1954	22.83	3.34	3.22	0.13	19.49	6.19	13.26
1955	23.74	3.36	3.20	0.15	20.39	6.75	13.61
1956	25.01	3.26	3.05	0.21	21.75	6.81	14.91
1957	25.95	3.32	3.10	0.22	22.63	7.60	15.01
1958	26.30	3.16	2.90	0.26	23.14	7.76	15.37
1959	25.45	2.86	2.61	0.26	22.58	7.47	15.10
1960	25.20	3.00	2.70	0.30	22.20	7.31	14.87
1961	27.25	2.90	2.58	0.32	24.35	7.47	16.86
1962	27.77	3.33	3.01	0.32	24.44	7.64	16.79
1963	28.38	3.36	3.01	0.35	25.02	8.03	16.98
1964	28.04	3.20	2.82	0.38	24.85	7.61	17.24
1965	29.73	3.26	2.81	0.46	26.47	8.25	18.22
1966	31.47	3.18	2.69	0.49	28.29	8.91	19.37
1967	33.63	3.15	2.65	0.50	30.48	9.80	20.68
1968	35.68	3.30	2.75	0.56	32.38	10.57	21.80
1969	35.75	3.03	2.46	0.57	32.72	10.60	22.12
1970	39.44	2.92	2.32	0.60	36.52	11.41	25.10
1971	41.53	3.12	2.44	0.68	38.42	11.90	26.52
1972	40.37	2.95	2.25	0.70	37.43	11.89	25.53
1973	38.85	2.88	2.04	0.85	35.96	11.82	24.14
1974	45.12	3.21	2.29	0.92	41.91	11.18	30.73
1975	47.27	3.51	2.44	1.06	43.76	12.81	30.96
1976	46.81	3.42	2.26	1.16	43.39	12.46	30.93
1977	48.21	3.61	2.27	1.33	44.61	12.94	31.67
1978	50.06	3.67	2.33	1.34	46.38	13.71	32.68
1979	52.64	3.89	2.30	1.59	48.74	13.94	34.80
1980	55.56	4.03	2.41	1.62	51.54	15.18	36.36
1981	58.58	4.12	2.53	1.60	54.46	16.31	38.14
1982	59.71	4.20	2.50	1.70	55.51	16.48	39.03
1983	60.45	4.22	2.45	1.76	56.23	17.91	38.33
1984	60.01	4.12	2.32	1.79	55.89	17.26	38.63
1985	58.57	4.03	2.17	1.86	54.54	16.45	38.09
1986	55.22	4.15	2.06	2.09	51.08	15.58	35.49
1987	57.85	4.24	2.12	2.13	53.61	16.57	37.04
1988	59.48	4.48	2.17	2.31	55.00	17.70	37.30

**Table A.1.14**  
**Japan**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	---	---	---	---	---	---	---
1951	---	---	2.13	---	---	---	---
1952	---	---	2.11	---	---	---	---
1953	15.94	2.25	2.25	0.00	13.68	2.86	10.82
1954	16.26	2.09	2.08	0.01	14.17	3.87	10.30
1955	15.73	1.88	1.77	0.11	13.85	4.18	9.68
1956	14.71	1.68	1.58	0.11	13.03	3.78	9.26
1957	13.61	1.64	1.37	0.27	11.97	3.33	8.64
1958	15.24	2.17	1.36	0.81	13.07	3.91	9.15
1959	14.39	1.47	1.24	0.23	12.92	4.04	8.88
1960	17.80	1.21	1.03	0.18	16.59	3.69	12.90
1961	16.94	1.10	0.91	0.19	15.84	3.40	12.44
1962	18.43	1.10	0.96	0.14	17.33	3.67	13.67
1963	18.80	1.07	0.95	0.12	17.73	3.88	13.85
1964	18.54	1.02	0.92	0.10	17.52	3.92	13.60
1965	19.46	1.02	0.92	0.10	18.44	4.32	14.12
1966	19.55	1.01	0.89	0.13	18.53	4.30	14.23
1967	18.80	0.97	0.84	0.13	17.83	4.23	13.60
1968	18.77	0.91	0.80	0.11	17.87	4.12	13.74
1969	18.41	0.87	0.78	0.10	17.54	3.99	13.54
1970	18.61	0.87	0.78	0.09	17.75	4.15	13.60
1971	20.29	0.92	0.83	0.10	19.37	4.30	15.07
1972	21.39	0.96	0.85	0.11	20.43	4.65	15.78
1973	21.24	0.87	0.82	0.05	20.37	4.69	15.68
1974	23.59	0.92	0.87	0.05	22.68	5.58	17.09
1975	27.07	0.94	0.92	0.02	26.13	8.05	18.08
1976	27.64	0.92	0.90	0.02	26.72	8.84	17.88
1977	29.17	0.92	0.90	0.02	28.25	9.30	18.95
1978	30.58	0.94	0.92	0.02	29.64	9.86	19.79
1979	31.60	0.95	0.92	0.03	30.65	10.32	20.33
1980	32.76	0.96	0.92	0.04	31.80	10.60	21.20
1981	33.65	0.98	0.95	0.03	32.67	11.13	21.54
1982	34.10	1.00	0.96	0.03	33.10	11.56	21.55
1983	33.93	1.01	0.97	0.04	32.92	11.76	21.16
1984	33.18	1.01	0.98	0.04	32.16	11.51	20.65
1985	32.56	1.01	0.99	0.03	31.54	11.49	20.05
1986	33.07	1.03	1.00	0.02	32.04	11.83	20.21
1987	33.30	1.04	1.01	0.03	32.26	12.20	20.06
1988	33.03	1.03	1.00	0.03	32.00	12.28	19.72



**Table A.1.15**  
**Australia**  
**General Government Expenditures (as % GDP) According to Nutter's Scheme**

Year	Total	External: Total	Military	Transfer	Internal: Total	Transfer	Other
1950	---	---	2.99	---	---	---	---
1951	---	---	3.90	---	---	---	---
1952	---	---	5.06	---	---	---	---
1953	---	---	4.53	---	---	---	---
1954	---	---	3.80	---	---	---	---
1955	---	---	3.77	---	---	---	---
1956	---	---	3.58	---	---	---	---
1957	---	---	3.13	---	---	---	---
1958	---	---	3.04	---	---	---	---
1959	---	---	2.94	---	---	---	---
1960	22.82	2.93	2.57	0.36	19.89	5.69	14.20
1961	24.31	3.05	2.61	0.43	21.26	6.11	15.15
1962	24.16	3.03	2.58	0.45	21.14	5.93	15.21
1963	24.15	3.13	2.64	0.48	21.02	5.90	15.12
1964	24.37	3.40	2.86	0.54	20.97	5.65	15.32
1965	25.73	3.88	3.26	0.61	21.86	5.73	16.13
1966	25.86	4.18	3.52	0.66	21.69	5.62	16.07
1967	26.41	4.38	3.76	0.62	22.03	5.51	16.51
1968	25.80	4.30	3.72	0.58	21.50	5.33	16.18
1969	25.79	4.07	3.49	0.59	21.72	5.46	16.25
1970	26.11	3.79	3.24	0.55	22.32	5.50	16.82
1971	26.43	3.36	2.82	0.55	23.06	5.75	17.31
1972	26.52	3.16	2.57	0.59	23.36	6.27	17.08
1973	26.60	2.98	2.42	0.56	23.62	6.46	17.16
1974	30.32	3.08	2.51	0.57	27.24	7.46	19.78
1975	32.33	3.06	2.53	0.53	29.26	8.68	20.59
1976	33.11	3.02	2.52	0.50	30.09	9.26	20.83
1977	34.42	3.11	2.61	0.50	31.30	9.60	21.70
1978	33.60	2.97	2.47	0.50	30.62	9.29	21.34
1979	32.82	2.88	2.40	0.49	29.93	8.99	20.94
1980	33.21	2.90	2.42	0.47	30.31	8.97	21.34
1981	33.67	3.15	2.65	0.49	30.52	9.23	21.29
1982	36.01	3.30	2.81	0.49	32.71	10.25	22.45
1983	37.51	3.20	2.75	0.45	34.31	11.05	23.26
1984	38.42	3.26	2.81	0.45	35.16	11.17	23.99
1985	38.57	3.29	2.88	0.42	35.27	10.85	24.42
1986	37.94	3.24	2.88	0.36	34.69	10.63	24.07
1987	35.73	2.82	2.48	0.34	32.91	10.35	22.56
1988	34.14	2.58	2.24	0.34	31.55	9.70	21.86

**Table A.2.1**  
**United States**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	5.09	7.28	4.89	1.31	---	---	---	---	22.37
1951	10.08	6.10	3.39	0.99	---	---	---	---	24.94
1952	13.62	5.43	3.22	0.62	---	---	---	---	28.34
1953	13.45	5.25	3.29	0.57	---	---	---	---	28.79
1954	11.73	5.71	3.91	0.40	---	---	---	---	27.93
1955	10.12	5.99	3.85	0.38	---	---	---	---	25.76
1956	9.87	6.59	3.91	0.43	---	---	---	---	25.92
1957	9.95	7.19	4.35	0.39	---	---	---	---	26.98
1958	10.10	7.97	5.26	0.41	---	---	---	---	29.59
1959	9.46	7.96	5.01	0.39	---	---	---	---	28.05
1960	8.98	7.95	5.13	0.38	2.01	0.25	24.69	3.66	28.35
1961	9.13	8.68	5.66	0.40	1.88	0.41	26.17	3.63	29.80
1962	9.30	8.66	5.39	0.39	1.91	0.43	26.07	3.66	29.73
1963	8.79	8.98	5.38	0.37	1.95	0.39	25.85	3.63	29.48
1964	8.05	9.47	5.20	0.34	1.96	0.44	25.47	3.52	28.99
1965	7.52	9.57	5.20	0.32	1.91	0.45	24.97	3.11	28.09
1966	8.43	9.69	5.24	0.30	1.92	0.53	26.12	2.94	29.06
1967	9.46	9.91	5.88	0.28	1.97	0.49	27.99	3.69	31.68
1968	9.27	9.96	6.21	0.81	2.07	0.49	28.80	3.60	32.41
1969	8.65	10.25	6.33	0.52	2.09	0.49	28.33	3.33	31.66
1970	7.87	11.35	7.31	0.48	2.24	0.49	29.74	3.92	33.66
1971	6.97	11.54	7.96	0.54	2.14	0.45	29.60	3.90	33.50
1972	6.57	11.87	8.03	0.60	2.05	0.58	29.69	3.45	33.14
1973	5.95	11.83	8.25	0.42	2.24	0.42	29.10	3.20	32.30
1974	6.04	12.45	9.42	0.35	2.40	0.26	30.93	2.45	33.38
1975	5.90	13.21	11.01	0.34	2.49	0.33	33.28	2.67	35.95
1976	5.32	13.41	10.96	0.21	2.60	0.34	32.84	2.10	34.94
1977	5.29	12.94	10.52	0.18	2.55	0.40	31.89	1.96	33.85
1978	5.09	12.64	10.02	0.19	2.68	0.44	31.06	2.06	33.12
1979	5.12	12.51	10.09	0.20	2.91	0.40	31.22	2.03	33.25
1980	5.39	12.95	11.00	0.23	3.25	0.41	33.23	2.05	35.28
1981	5.79	12.44	11.10	0.21	3.78	0.42	33.74	1.68	35.42
1982	6.45	12.76	11.92	0.23	4.29	0.51	36.15	1.77	37.92
1983	7.10	11.82	11.93	0.26	4.52	0.68	36.30	0.75	37.05
1984	7.03	10.97	10.95	0.29	4.75	0.61	34.60	1.34	35.94
1985	7.00	11.39	10.99	0.34	5.01	0.58	35.32	1.56	36.88
1986	6.99	11.61	11.00	0.34	5.03	0.63	35.60	1.52	37.12
1987	6.43	12.17	10.77	0.28	4.94	0.71	35.30	1.65	36.95
1988	5.81	12.53	10.62	0.27	4.64	0.61	34.50	2.03	36.52

**Table A.2.2**  
**Canada**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

<b>Year</b>	<b>Current: Cons.: Military</b>	<b>Civilian</b>	<b>Transf: Persons</b>	<b>ROW</b>	<b>Debt Interest</b>	<b>Subsid.</b>	<b>Current Total</b>	<b>Capital</b>	<b>Total</b>
1950	2.76	7.94	5.75	0.03	---	---	19.08	2.77	21.86
1951	5.80	7.52	4.90	0.04	---	---	20.28	2.95	23.22
1952	7.53	7.41	5.62	0.07	---	---	21.91	3.50	25.42
1953	7.83	7.33	5.81	0.10	---	---	23.23	3.00	26.23
1954	7.13	8.22	6.58	0.04	---	---	23.81	3.48	27.30
1955	6.74	8.16	6.43	0.09	---	---	23.24	3.51	26.76
1956	6.15	8.22	5.75	0.10	---	---	22.25	3.71	25.96
1957	5.73	8.55	6.51	0.13	---	---	23.02	4.09	27.12
1958	5.27	9.38	7.99	0.16	---	---	25.08	4.32	29.40
1959	4.71	9.50	7.90	0.21	---	---	24.67	5.02	29.69
1960	4.27	9.31	8.06	0.16	2.82	0.81	25.43	3.63	29.06
1961	4.28	11.14	6.75	0.19	2.95	0.80	26.11	4.19	30.31
1962	4.17	10.99	6.70	0.14	3.03	0.83	25.86	4.37	30.24
1963	3.68	11.26	6.40	0.19	3.07	0.86	25.47	4.24	29.71
1964	3.56	11.31	6.24	0.19	3.04	0.86	25.19	3.87	29.06
1965	2.96	11.90	6.11	0.21	2.99	0.82	24.98	4.34	29.32
1966	2.82	12.70	5.99	0.31	2.97	1.02	25.82	4.54	30.36
1967	2.92	13.62	6.94	0.32	3.09	0.95	27.84	4.43	32.28
1968	2.63	14.63	7.46	0.23	3.26	0.87	29.09	4.11	33.20
1969	2.36	15.29	7.65	0.23	3.44	0.87	29.84	3.80	33.64
1970	2.38	16.80	8.08	0.28	3.76	0.87	32.18	3.64	35.83
1971	2.23	16.99	8.66	0.26	3.80	0.81	32.74	3.90	36.64
1972	2.11	16.99	9.36	0.26	3.90	0.83	33.46	3.77	37.22
1973	1.93	16.53	9.00	0.25	3.85	0.87	32.42	3.09	35.52
1974	1.92	16.70	9.21	0.27	3.64	1.88	33.62	3.13	36.76
1975	1.88	18.10	9.89	0.36	3.92	2.52	36.65	3.94	40.59
1976	1.85	17.86	9.76	0.28	4.17	1.89	35.81	3.36	39.17
1977	1.93	18.35	10.11	0.30	4.34	1.80	36.84	3.24	40.07
1978	1.97	18.17	10.15	0.43	4.90	1.70	37.31	3.22	40.53
1979	1.79	17.54	9.54	0.28	5.11	2.03	36.29	2.75	39.04
1980	1.69	17.83	9.88	0.27	5.52	2.71	37.90	2.66	40.56
1981	1.80	17.98	9.79	0.25	6.37	2.72	38.91	2.62	41.54
1982	2.07	18.98	11.47	0.29	7.34	2.53	42.68	2.60	45.28
1983	2.13	18.90	12.42	0.30	7.37	2.51	43.63	2.43	46.06
1984	2.15	18.15	12.15	0.36	7.93	2.72	43.47	2.55	46.02
1985	2.14	18.07	12.29	0.35	8.52	2.41	43.78	2.66	46.44
1986	2.16	17.80	12.25	0.36	8.39	2.01	42.97	2.51	45.48
1987	2.12	17.37	12.36	0.40	8.30	2.30	42.84	2.35	45.19
1988	2.04	16.76	11.97	0.41	8.51	2.02	41.71	2.30	44.00

**Table A.2.3**  
**United Kingdom**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	6.40	9.79	5.24	0.38	4.12	3.42	29.36	2.69	32.05
1951	7.85	9.39	4.92	0.44	4.03	2.97	29.60	5.36	34.96
1952	9.84	9.02	5.27	0.44	4.10	2.67	31.33	5.89	37.22
1953	9.89	8.51	5.45	0.41	4.03	2.30	30.57	5.92	36.49
1954	8.72	9.08	5.25	0.39	3.83	2.62	29.88	3.62	33.51
1955	8.18	8.85	5.40	0.37	4.02	2.07	28.88	3.70	32.58
1956	7.77	9.16	5.32	0.35	3.83	2.14	28.56	3.75	32.31
1957	7.17	9.53	5.32	0.34	3.65	2.04	28.05	3.77	31.81
1958	6.94	9.35	6.14	0.34	3.89	2.11	28.77	3.75	32.52
1959	6.60	9.89	6.46	0.34	3.79	1.97	29.04	3.58	32.62
1960	6.44	9.99	6.11	0.35	3.97	1.92	28.78	3.30	32.08
1961	6.22	10.39	7.06	0.39	4.02	2.16	30.24	3.22	33.47
1962	6.31	10.68	7.44	0.38	3.87	2.11	30.80	3.56	34.36
1963	6.12	10.72	7.88	0.39	3.92	1.86	30.90	3.64	34.54
1964	6.00	10.42	7.65	0.45	3.77	1.55	29.84	4.37	34.20
1965	5.84	10.92	8.15	0.45	3.77	1.59	30.72	4.22	34.94
1966	5.64	11.47	8.36	0.43	3.84	1.47	31.21	4.42	35.62
1967	5.64	12.25	8.88	0.41	3.90	1.98	33.06	4.72	37.79
1968	5.33	12.19	9.38	0.36	4.10	2.04	33.40	4.91	38.31
1969	4.92	12.19	9.39	0.33	4.12	2.01	32.97	4.74	37.72
1970	4.76	12.81	9.43	0.29	3.95	1.72	32.96	4.81	37.77
1971	4.88	12.96	9.28	0.31	3.62	1.63	32.68	4.60	37.28
1972	5.10	13.27	10.22	0.28	3.58	1.81	34.26	4.90	39.16
1973	4.76	13.46	9.78	0.44	3.71	1.95	34.11	4.87	38.98
1974	4.96	14.97	10.45	0.33	4.16	3.64	38.51	4.64	43.15
1975	4.87	16.93	10.40	0.28	3.89	3.48	39.86	5.49	45.35
1976	4.85	16.53	10.61	0.57	4.19	2.72	39.47	5.34	44.81
1977	4.68	15.57	10.76	0.70	4.32	2.21	38.25	4.50	42.75
1978	4.55	15.38	10.86	0.95	4.23	2.17	38.14	4.12	42.25
1979	4.61	15.21	10.79	0.99	4.43	2.29	38.32	4.08	42.40
1980	4.93	16.37	11.48	0.73	4.74	2.44	40.69	3.58	44.27
1981	4.79	17.07	13.04	0.58	5.01	2.51	43.00	2.80	45.80
1982	5.01	16.81	13.97	0.58	5.04	2.12	43.54	2.59	46.13
1983	5.20	16.77	14.66	0.55	4.72	2.12	44.01	3.36	47.37
1984	5.36	16.55	14.92	0.56	4.93	2.40	44.72	3.49	48.21
1985	5.17	15.95	14.73	0.85	4.98	2.10	43.79	3.04	46.83
1986	5.08	16.18	14.93	0.49	4.55	1.75	42.99	3.48	46.47
1987	4.59	16.01	13.94	0.69	4.24	1.46	40.93	1.93	42.86
1988	---	---	---	---	---	---	---	---	---

**Table A.2.4**  
**Netherlands**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	4.80	5.90	6.71	0.06	---	---	---	---	27.09
1951	4.95	7.40	7.68	0.05	---	---	---	---	27.63
1952	5.60	7.15	7.35	0.05	---	---	---	---	27.34
1953	5.59	6.84	7.46	0.05	---	---	---	---	29.35
1954	5.95	6.74	7.47	0.12	---	---	---	---	29.15
1955	5.71	7.66	7.23	0.32	---	---	---	---	29.18
1956	5.72	8.15	7.32	0.24	---	---	---	---	32.62
1957	5.25	9.63	8.99	0.23	---	---	---	---	35.55
1958	4.67	8.93	10.55	0.25	---	---	---	---	36.63
1959	3.98	8.16	10.28	0.22	---	---	---	---	35.05
1960	3.93	8.91	9.92	0.14	2.73	1.21	26.85	6.60	33.45
1961	4.33	9.02	10.17	0.28	2.66	1.11	27.57	6.69	34.26
1962	4.37	9.52	10.66	0.41	2.52	0.87	28.35	6.82	35.17
1963	4.25	10.43	12.25	-0.04	2.46	0.83	30.18	6.69	36.87
1964	4.17	10.68	12.32	0.20	2.35	0.84	30.55	7.33	37.89
1965	3.81	10.99	13.48	0.26	2.40	0.70	31.65	7.44	39.08
1966	3.59	11.56	14.60	0.22	2.56	0.73	33.26	7.73	40.99
1967	3.76	11.77	15.36	0.33	2.74	0.85	34.80	7.94	42.74
1968	3.47	11.70	16.44	0.30	2.80	0.84	35.55	5.12	40.67
1969	3.44	11.83	17.10	0.25	2.79	0.96	36.37	4.93	41.30
1970	3.29	12.31	17.72	0.24	2.96	1.26	37.79	4.54	42.33
1971	3.22	12.75	18.95	0.90	2.93	0.90	39.65	4.57	44.23
1972	3.17	12.76	20.01	0.92	2.76	1.13	40.76	4.17	44.92
1973	3.03	12.57	20.41	1.05	2.80	1.60	41.46	3.38	44.84
1974	3.07	13.22	22.12	1.00	3.63	0.98	44.01	2.73	46.74
1975	3.23	14.19	23.01	1.51	3.75	0.97	46.66	5.18	51.84
1976	3.03	14.21	23.49	1.42	3.77	1.33	47.26	4.77	52.02
1977	3.31	14.10	25.03	1.59	3.86	1.34	49.22	3.92	53.14
1978	3.08	14.63	25.49	1.74	3.99	1.37	50.31	4.10	54.41
1979	3.20	14.90	26.73	1.72	4.20	1.34	52.08	3.55	55.63
1980	3.09	14.80	27.09	1.68	4.65	1.48	52.79	3.71	56.50
1981	3.20	14.58	28.15	1.63	5.48	1.56	54.60	3.62	58.22
1982	3.24	14.46	29.66	0.49	6.30	1.69	55.85	3.34	59.20
1983	3.19	14.52	30.58	0.48	7.03	1.78	57.59	2.35	59.94
1984	3.19	13.40	29.20	0.60	7.46	1.85	55.70	2.82	58.52
1985	3.10	13.12	28.51	0.65	7.72	1.95	55.04	2.55	57.59
1986	3.08	12.81	28.03	0.68	7.59	1.79	53.98	2.25	56.23
1987	3.07	13.09	28.62	0.64	7.22	2.29	54.93	2.33	57.26
1988	2.96	12.76	27.85	1.04	6.85	1.83	53.30	2.40	55.71

**Table A.2.5**  
**Belgium**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.:		Transf:		Debt	Subsid.	Current	Capital	Total
	Military	Civilian	Persons	ROW	Interest		Total		
1950	---	---	---	---	---	---	---	---	---
1951	---	---	---	---	---	---	---	---	---
1952	---	---	---	---	---	---	---	---	---
1953	4.86	8.00	10.15	0.07	---	---	24.94	1.38	26.33
1954	4.88	7.67	9.74	0.12	---	---	24.58	2.00	26.58
1955	3.78	7.86	9.49	0.11	---	---	23.18	1.81	24.98
1956	3.56	7.91	9.31	0.10	---	---	23.11	1.71	24.83
1957	3.61	7.74	9.25	0.10	---	---	22.97	1.94	24.90
1958	3.57	8.67	10.49	0.08	---	---	25.20	1.66	26.86
1959	3.52	9.19	11.21	0.11	---	---	26.21	1.92	28.13
1960	3.44	9.00	11.49	0.09	2.94	1.29	28.26	2.49	30.75
1961	3.30	8.63	11.14	0.25	3.14	1.13	27.59	2.85	30.44
1962	3.53	8.76	11.49	0.30	2.93	1.14	28.15	3.20	31.35
1963	3.46	9.54	11.61	0.31	3.00	0.97	28.89	3.19	32.09
1964	3.44	9.08	11.04	0.25	2.95	1.02	27.78	3.83	31.61
1965	3.21	9.59	12.60	0.23	2.93	1.17	29.73	3.25	32.98
1966	3.16	9.97	12.95	0.22	2.94	1.38	30.62	3.72	34.33
1967	3.18	10.30	13.20	0.34	3.03	1.33	31.37	4.01	35.38
1968	3.16	10.44	14.24	0.38	3.10	1.56	32.88	4.37	37.25
1969	2.98	10.65	13.91	0.41	3.32	1.66	32.91	3.97	36.89
1970	2.96	10.46	14.29	0.59	3.42	1.35	33.06	4.40	37.46
1971	2.94	11.15	14.44	0.67	3.36	1.27	33.83	4.90	38.72
1972	2.92	11.59	15.10	0.50	3.35	1.32	34.78	4.85	39.63
1973	2.88	11.67	15.67	0.72	3.37	1.45	35.75	4.17	39.92
1974	2.81	11.89	16.21	0.60	3.56	1.22	36.28	4.14	40.42
1975	3.12	13.33	18.24	0.87	3.63	1.21	40.40	4.43	44.83
1976	3.17	13.30	19.21	0.52	3.79	1.42	41.40	4.20	45.60
1977	3.23	13.62	19.93	0.58	4.19	1.45	43.00	4.26	47.26
1978	3.35	14.11	20.33	0.55	4.59	1.57	44.50	4.10	48.59
1979	3.35	14.29	20.95	0.46	5.18	1.75	45.97	4.09	50.06
1980	3.38	14.58	20.73	0.75	6.19	1.47	47.09	4.59	51.68
1981	3.54	15.31	22.32	0.89	8.13	1.56	51.75	4.63	56.38
1982	3.43	14.96	22.12	0.99	9.54	1.39	52.43	4.46	56.90
1983	3.24	13.97	22.76	0.95	9.38	1.41	51.71	3.02	54.73
1984	3.07	14.60	22.33	0.80	9.91	1.49	52.21	1.88	54.09
1985	2.92	14.68	21.68	0.61	10.51	1.40	51.80	1.59	53.39
1986	2.78	14.34	21.18	0.57	11.05	1.44	51.35	1.37	52.72
1987	2.92	13.82	21.36	0.88	10.55	1.05	50.56	1.33	51.90
1988	2.74	13.05	20.85	0.83	10.13	1.30	48.89	1.43	50.33

**Table A.2.6**  
**France**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

<b>Year</b>	<b>Current: Cons.: Military</b>	<b>Civilian</b>	<b>Transf: Persons</b>	<b>ROW</b>	<b>Debt Interest</b>	<b>Subsid.</b>	<b>Current Total</b>	<b>Capital</b>	<b>Total</b>
1950	5.80	7.06	11.73	0.49	---	---	26.67	2.68	29.35
1951	7.42	6.22	12.11	0.43	---	---	27.77	4.21	31.98
1952	8.85	6.26	12.06	0.60	---	---	30.18	4.42	34.60
1953	9.54	6.08	12.86	0.63	---	---	31.07	4.46	35.53
1954	7.57	6.72	13.08	0.61	---	---	29.89	4.38	34.28
1955	6.56	6.65	13.34	0.72	---	---	29.95	4.30	34.24
1956	7.70	6.30	13.11	0.88	---	---	31.97	3.34	35.31
1957	7.37	6.75	13.42	0.85	---	---	32.02	3.18	35.20
1958	6.80	6.46	13.17	0.89	---	---	31.08	3.23	34.30
1959	6.71	7.03	13.23	1.65	---	---	31.60	2.91	34.51
1960	6.46	6.54	13.14	1.68	---	---	30.90	3.11	34.01
1961	6.31	6.84	13.76	1.68	1.29	1.96	31.84	2.33	34.17
1962	6.14	7.13	14.80	1.48	1.31	2.13	33.00	2.54	35.54
1963	5.64	7.79	15.69	1.20	1.17	2.16	33.65	2.59	36.24
1964	5.41	7.87	15.92	1.17	1.02	2.03	33.41	2.81	36.22
1965	5.23	7.90	16.30	1.10	1.07	2.17	33.76	2.82	36.58
1966	5.11	7.88	16.50	1.04	0.99	2.21	33.72	2.82	36.54
1967	5.11	7.84	16.73	1.06	1.23	2.18	34.16	3.00	37.16
1968	4.92	8.59	17.12	1.01	1.33	2.61	35.60	2.91	38.51
1969	4.38	8.97	17.26	1.01	1.31	2.38	35.31	2.80	38.10
1970	4.18	9.26	17.31	0.91	1.14	1.97	34.77	2.89	37.66
1971	4.00	9.45	17.41	0.98	1.04	1.56	34.43	2.79	37.22
1972	3.87	9.29	17.82	1.01	0.88	1.49	34.37	2.90	37.27
1973	3.80	9.37	18.21	1.04	0.84	1.64	34.91	2.46	37.37
1974	3.75	9.86	18.66	0.93	0.82	1.79	35.81	2.65	38.46
1975	3.85	10.55	18.77	0.58	1.20	1.97	36.92	4.60	41.52
1976	3.81	10.79	18.69	0.57	1.10	2.01	36.98	4.22	41.20
1977	3.88	10.86	19.21	0.59	1.22	2.08	37.83	3.97	41.81
1978	3.93	11.03	20.11	0.59	1.33	1.98	38.97	3.70	42.68
1979	3.91	10.97	20.04	0.61	1.41	2.00	38.95	3.72	42.66
1980	3.99	11.21	20.38	0.62	1.49	1.96	39.66	3.66	43.31
1981	4.17	11.64	21.73	0.62	2.01	2.26	42.43	3.49	45.93
1982	4.15	12.02	22.67	0.71	2.07	2.23	43.84	3.89	47.73
1983	4.12	12.14	23.17	0.79	3.04	2.21	45.46	5.83	51.29
1984	4.05	15.54	23.24	0.72	2.67	2.46	48.68	2.98	51.66
1985	3.98	15.43	23.47	0.82	2.87	2.33	48.90	3.10	52.00
1986	3.90	15.27	23.40	0.69	2.87	2.33	48.46	3.15	51.62
1987	3.96	15.10	23.43	0.68	2.80	2.37	48.34	3.25	51.60
1988	3.78	14.77	22.87	0.85	2.75	1.85	46.87	3.22	50.10

**Table A.2.7**  
**Federal Republic of Germany**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

<b>Year</b>	<b>Current: Cons.: Military</b>	<b>Civilian</b>	<b>Transf: Persons</b>	<b>ROW</b>	<b>Debt Interest</b>	<b>Subsid.</b>	<b>Current Total</b>	<b>Capital</b>	<b>Total</b>
1950	3.57	10.96	12.30	0.60	0.57	0.50	28.51	0.74	29.25
1951	5.93	8.78	11.20	0.94	0.61	0.69	28.17	2.62	30.78
1952	5.89	9.59	11.74	1.16	0.59	0.66	29.62	2.39	32.01
1953	4.21	10.34	11.82	1.58	0.58	0.26	28.79	2.01	30.80
1954	4.08	10.40	11.92	1.62	0.86	0.15	29.04	2.37	31.40
1955	4.09	9.29	11.43	1.49	0.79	0.21	27.29	3.15	30.44
1956	3.63	9.30	11.57	1.50	0.77	0.52	27.29	3.35	30.63
1957	4.14	8.74	13.01	1.65	0.74	0.98	29.25	3.72	32.96
1958	2.96	10.55	13.69	1.70	0.76	0.75	30.41	2.65	33.06
1959	4.38	9.16	12.99	1.83	0.78	0.72	29.87	3.91	33.78
1960	4.00	9.36	12.42	0.68	0.72	0.75	27.94	4.23	32.17
1961	3.97	9.83	12.37	0.81	0.67	0.80	28.44	4.08	32.52
1962	4.78	9.87	12.49	0.79	0.67	0.79	29.38	4.67	34.05
1963	5.21	10.32	12.56	0.75	0.70	0.94	30.47	4.99	35.46
1964	4.65	10.13	12.58	0.68	0.69	0.98	29.71	5.55	35.26
1965	4.34	10.83	12.88	0.68	0.71	1.27	30.70	4.95	35.65
1966	4.15	11.31	13.20	0.53	0.85	1.19	31.21	5.00	36.21
1967	4.33	11.86	14.35	0.62	1.05	1.14	33.35	4.50	37.85
1968	3.62	11.89	13.95	0.92	1.01	1.44	32.83	4.60	37.42
1969	3.61	11.98	13.47	0.93	0.98	1.30	32.28	4.68	36.96
1970	3.34	12.42	12.87	0.77	0.98	1.43	31.81	5.09	36.90
1971	3.39	13.51	12.94	0.81	0.99	1.31	32.94	4.85	37.79
1972	3.49	13.65	13.38	1.01	1.03	1.47	34.02	4.78	38.81
1973	3.48	14.31	13.44	1.10	1.11	1.62	35.06	4.54	39.60
1974	3.62	15.70	14.42	1.05	1.12	1.92	37.82	4.71	42.53
1975	3.66	16.85	16.65	1.34	1.26	1.99	41.75	5.43	47.18
1976	3.48	16.37	16.42	1.36	1.45	1.98	41.05	5.06	46.11
1977	3.36	16.26	16.18	1.50	1.60	2.06	40.96	5.03	45.99
1978	3.35	16.30	15.76	1.53	1.59	2.31	40.84	5.12	45.96
1979	3.26	16.38	15.45	1.53	1.65	2.23	40.51	5.32	45.83
1980	3.28	16.83	15.58	1.47	1.86	2.06	41.08	5.45	46.53
1981	3.38	17.20	16.25	1.53	2.23	1.89	42.49	5.14	47.63
1982	3.39	16.94	16.68	1.54	2.68	1.84	43.07	4.73	47.80
1983	3.37	16.67	17.62	1.58	2.94	1.91	44.09	2.73	46.82
1984	3.26	16.69	17.03	1.76	2.94	2.06	43.74	2.60	46.34
1985	3.20	16.76	16.70	1.70	2.96	2.05	43.37	2.54	45.91
1986	3.12	16.59	16.35	1.61	2.90	2.10	42.66	2.63	45.29
1987	3.05	16.72	16.59	1.60	2.83	2.19	42.98	2.60	45.57
1988	2.95	16.55	16.55	1.79	2.79	2.26	42.89	2.54	45.43



**Table A.2.8**  
**Austria**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	0.73	11.31	7.84	0.02	---	---	21.25	3.80	25.05
1951	0.90	12.21	8.64	0.01	---	---	23.51	4.96	28.46
1952	0.60	12.79	10.01	0.00	---	---	25.07	4.21	29.28
1953	0.54	13.22	10.46	0.00	---	---	25.03	4.30	29.33
1954	0.05	13.14	9.85	0.32	0.31	0.02	23.69	4.11	27.80
1955	0.18	12.19	9.44	0.01	0.41	0.76	22.98	4.69	27.67
1956	0.84	11.65	9.74	0.01	0.45	2.06	24.75	4.41	29.16
1957	1.30	12.15	9.97	0.09	0.49	1.91	25.90	4.02	29.92
1958	1.45	12.11	10.44	0.12	0.57	2.01	26.69	5.26	31.95
1959	1.36	11.92	10.49	0.05	0.72	2.14	26.68	4.80	31.48
1960	1.16	11.63	10.41	0.08	0.82	1.40	25.50	4.89	30.39
1961	1.05	11.49	10.83	0.06	0.83	1.54	25.80	5.17	30.97
1962	1.08	11.73	11.81	0.04	0.83	1.80	27.30	5.17	32.47
1963	1.26	12.02	12.14	0.26	0.83	1.90	28.40	5.13	33.53
1964	1.50	11.81	12.18	0.24	0.82	2.21	28.77	5.40	34.17
1965	1.20	12.17	12.22	0.22	0.84	2.25	28.90	5.01	33.91
1966	1.29	12.37	12.43	0.17	0.83	2.25	29.33	4.83	34.17
1967	1.28	13.27	13.04	0.18	0.84	2.12	30.73	5.19	35.92
1968	1.23	13.52	13.29	0.15	0.99	2.03	31.21	5.13	36.34
1969	1.20	13.87	13.28	0.14	1.05	1.93	31.47	4.50	35.97
1970	1.10	13.59	12.81	0.14	1.08	1.74	30.45	4.88	35.34
1971	0.99	13.78	13.05	0.15	1.05	1.86	30.88	4.79	35.66
1972	0.98	13.64	12.88	0.15	1.00	1.76	30.40	5.15	35.56
1973	0.94	14.13	12.63	0.17	0.98	2.02	30.89	5.01	35.90
1974	0.93	14.82	15.32	0.19	1.04	2.09	34.39	5.75	40.14
1975	1.21	16.02	16.68	0.21	1.30	2.89	38.32	5.84	44.16
1976	1.21	16.43	17.47	0.24	1.68	2.87	39.89	5.30	45.19
1977	1.20	16.23	17.66	0.24	1.86	2.93	40.11	5.24	45.35
1978	1.28	17.02	19.12	0.26	2.22	3.15	43.05	5.23	48.29
1979	1.30	16.77	19.03	0.26	2.32	2.93	42.61	5.00	47.61
1980	1.25	16.71	18.77	0.26	2.49	3.02	42.50	4.71	47.21
1981	1.24	17.24	19.22	0.26	2.77	3.04	43.77	4.61	48.38
1982	1.26	17.57	19.57	0.27	3.09	3.01	44.77	4.21	48.98
1983	1.15	17.59	20.03	0.27	3.04	2.93	45.02	4.07	49.09
1984	1.16	17.43	19.97	0.27	3.37	2.81	45.01	3.77	48.78
1985	1.24	17.59	20.29	0.27	3.53	2.90	45.82	3.69	49.51
1986	1.31	17.71	20.33	0.26	3.64	3.06	46.31	3.66	49.97
1987	1.23	17.73	20.98	0.27	3.95	3.11	47.28	3.53	50.81
1988	1.12	17.28	20.33	0.25	3.91	2.85	45.75	3.28	49.02

**Table A.2.9**  
**Italy**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	3.74	---	---	---	---	---	---	---	---
1951	4.26	7.33	6.32	0.14	---	---	---	---	23.99
1952	4.50	7.71	7.73	0.12	---	---	---	---	26.75
1953	3.75	7.41	8.25	0.16	---	---	---	---	26.72
1954	3.98	8.10	9.03	0.08	---	---	---	---	28.69
1955	3.67	8.14	9.39	0.14	---	---	---	---	28.79
1956	3.57	8.29	9.96	0.04	---	---	---	---	29.21
1957	3.48	8.25	9.80	0.00	---	---	---	---	28.86
1958	3.43	8.55	10.65	0.02	---	---	---	---	29.62
1959	3.33	8.73	10.96	0.07	---	---	---	---	30.46
1960	3.28	8.88	12.57	0.08	1.66	1.46	27.93	3.81	31.74
1961	2.90	8.36	11.52	0.03	1.44	0.97	25.23	3.34	28.57
1962	2.97	8.68	11.98	0.05	1.38	1.19	26.25	3.17	29.42
1963	3.10	9.30	12.56	0.07	1.26	0.98	27.28	3.04	30.32
1964	3.07	9.74	12.63	0.06	1.19	1.23	27.93	3.20	31.13
1965	3.10	10.44	14.27	0.09	1.22	1.28	30.40	2.85	33.26
1966	3.17	11.70	12.68	0.08	1.43	1.30	30.35	1.96	32.31
1967	2.91	11.49	12.61	0.12	1.60	1.42	30.15	1.54	31.69
1968	2.77	11.71	13.26	0.18	1.61	1.68	31.21	1.71	32.92
1969	2.53	11.70	13.32	0.09	1.68	1.74	31.05	1.32	32.37
1970	2.48	11.29	13.04	0.40	1.72	1.49	30.43	1.24	31.67
1971	2.70	12.78	14.28	0.60	1.96	1.60	33.93	1.31	35.25
1972	2.88	13.20	14.94	0.61	2.19	1.86	35.67	1.36	37.04
1973	2.67	12.83	14.75	0.71	2.41	1.61	34.98	1.78	36.76
1974	2.58	12.52	14.02	0.30	2.81	1.61	33.83	3.70	37.53
1975	2.48	12.97	16.01	0.32	3.94	2.23	37.95	3.92	41.87
1976	2.30	12.46	16.09	0.24	4.82	1.82	37.74	3.76	41.50
1977	2.38	12.87	15.59	0.22	5.54	2.00	38.60	3.35	41.94
1978	2.39	13.48	16.50	0.47	5.87	2.53	41.24	3.67	44.91
1979	2.39	13.85	16.08	0.15	5.78	2.76	41.02	3.11	44.13
1980	2.20	14.22	16.23	0.10	6.24	3.27	42.26	2.63	44.90
1981	2.11	13.55	16.09	0.13	6.18	2.84	40.91	3.81	44.72
1982	2.26	13.83	16.77	0.18	7.24	3.10	43.38	3.68	47.06
1983	2.28	14.25	17.93	0.19	7.62	2.87	45.13	3.54	48.67
1984	2.28	14.00	17.56	0.20	8.13	3.01	45.18	3.47	48.65
1985	2.31	14.05	17.98	0.20	8.15	2.63	45.31	3.68	48.99
1986	2.27	13.88	17.80	0.26	8.49	2.95	45.65	3.34	48.99
1987	2.43	14.46	17.98	0.24	8.08	2.72	45.91	3.51	49.42
1988	2.31	14.85	17.91	0.29	8.27	2.48	46.11	3.46	49.57

**Table A.2.10**  
**Finland**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	1.83	9.76	---	---	---	---	---	---	---
1951	1.91	8.30	---	---	---	---	---	---	---
1952	1.31	9.76	---	---	---	---	---	---	---
1953	1.50	10.76	---	---	---	---	---	---	---
1954	1.38	9.68	---	---	---	---	---	---	---
1955	1.63	9.82	---	---	---	---	---	---	---
1956	1.54	10.78	---	---	---	---	---	---	---
1957	1.53	11.00	---	---	---	---	---	---	---
1958	1.59	11.22	---	---	---	---	---	---	---
1959	1.75	11.43	---	---	---	---	---	---	---
1960	1.69	10.52	5.81	0.01	0.66	2.77	21.46	5.40	26.86
1961	1.78	10.45	6.12	0.02	0.61	2.48	21.46	4.93	26.39
1962	2.44	10.62	6.53	0.03	0.60	2.45	22.67	5.09	27.76
1963	1.79	11.61	6.85	0.04	0.62	3.08	23.99	4.59	28.58
1964	1.73	11.76	7.03	0.03	0.77	3.28	24.61	5.23	29.84
1965	1.67	11.98	7.52	0.05	0.89	3.17	25.29	5.39	30.68
1966	1.60	12.72	8.05	0.05	0.91	3.06	26.39	5.44	31.83
1967	1.50	13.37	8.64	0.05	1.06	2.83	27.45	5.19	32.64
1968	1.64	13.63	8.61	0.06	1.08	2.73	27.75	4.95	32.70
1969	1.34	13.14	8.24	0.08	1.02	2.90	26.72	4.55	31.26
1970	1.31	13.15	8.21	0.07	0.92	3.12	26.78	3.74	30.52
1971	1.38	13.78	8.88	0.10	0.87	2.93	27.94	3.95	31.89
1972	1.44	13.84	9.07	0.11	0.80	2.86	28.12	4.28	32.40
1973	1.34	13.65	8.55	0.13	0.68	2.46	26.80	4.14	30.95
1974	1.13	14.07	8.87	0.13	0.65	3.09	27.94	4.14	32.07
1975	1.39	15.67	9.51	0.11	0.65	3.79	31.13	4.48	35.61
1976	1.44	16.65	10.16	0.12	0.65	3.80	32.81	4.37	37.19
1977	1.36	17.11	10.93	0.12	0.77	3.64	33.92	4.48	38.40
1978	1.39	16.95	11.12	0.11	0.83	3.33	33.72	4.39	38.11
1979	1.44	16.46	10.35	0.14	0.94	3.48	32.81	4.50	37.31
1980	1.49	16.63	9.86	0.17	1.02	3.23	32.40	4.55	36.95
1981	1.50	17.19	10.06	0.21	1.09	3.33	33.38	4.65	38.04
1982	1.69	17.34	10.99	0.21	1.26	3.17	34.66	4.86	39.52
1983	2.07	17.28	11.74	0.24	1.50	3.23	36.06	3.84	39.90
1984	1.99	17.31	11.64	0.28	1.63	3.16	36.01	3.39	39.40
1985	1.96	18.29	12.25	0.31	1.76	3.07	37.65	3.48	41.13
1986	2.04	18.71	12.68	0.32	1.70	3.21	38.66	3.39	42.05
1987	1.95	18.75	12.56	0.37	1.63	2.97	38.22	3.55	41.77
1988	1.92	18.26	11.19	0.40	1.58	2.57	35.92	3.45	39.38

**Table A.2.11**  
**Sweden**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	3.55	9.01	---	---	---	---	---	---	---
1951	3.64	9.16	---	---	---	---	---	---	---
1952	4.14	10.13	---	---	---	---	---	---	---
1953	4.56	10.68	---	---	---	---	---	---	---
1954	4.54	10.46	---	---	---	---	---	---	---
1955	4.45	10.69	---	---	---	---	---	---	---
1956	4.32	11.09	---	---	---	---	---	---	---
1957	4.34	11.72	---	---	---	---	---	---	---
1958	4.35	11.81	---	---	---	---	---	---	---
1959	4.26	11.95	---	---	---	---	---	---	---
1960	4.02	11.82	8.51	0.06	1.73	0.97	27.11	4.23	31.34
1961	3.96	11.90	8.47	0.06	1.58	1.12	27.09	4.39	31.48
1962	4.11	12.62	8.61	0.10	1.42	1.11	27.96	4.40	32.36
1963	4.20	13.14	9.23	0.15	1.34	1.05	29.11	5.50	34.61
1964	4.10	13.15	9.25	0.14	1.32	0.97	28.92	5.94	34.86
1965	4.14	13.66	9.84	0.15	1.37	1.01	30.17	6.02	36.18
1966	4.09	14.85	10.19	0.20	1.42	1.18	31.93	6.13	38.06
1967	3.83	15.74	10.90	0.27	1.48	1.12	33.35	6.76	40.11
1968	3.68	16.92	11.56	0.30	1.65	1.62	35.73	6.25	41.98
1969	3.67	17.15	12.00	0.44	1.80	1.34	36.40	6.02	42.42
1970	3.57	17.86	11.89	0.36	1.90	1.40	36.99	5.77	42.75
1971	3.61	18.86	13.06	0.36	2.02	1.31	39.21	5.14	44.36
1972	3.59	19.12	13.67	0.43	1.95	1.32	40.07	5.44	45.50
1973	3.45	19.21	13.69	0.41	1.95	1.32	40.03	4.39	44.43
1974	3.38	19.81	14.56	0.57	2.14	2.36	42.82	5.26	48.08
1975	3.25	20.53	14.31	0.69	2.22	3.06	44.06	4.96	49.02
1976	3.17	21.69	15.22	0.68	2.16	3.93	46.84	4.74	51.59
1977	3.26	24.20	16.79	0.80	2.58	4.13	51.76	5.26	57.02
1978	3.26	24.63	17.53	0.82	2.72	4.20	53.17	5.17	58.34
1979	3.21	25.05	17.61	0.88	3.10	4.27	54.11	5.04	59.15
1980	3.06	25.77	17.91	0.78	4.17	4.31	56.00	4.88	60.89
1981	3.32	25.90	18.73	0.74	5.43	4.66	58.78	4.85	63.63
1982	3.25	25.86	18.87	0.70	7.00	4.95	60.63	4.54	65.17
1983	2.78	25.70	19.55	0.69	7.30	5.23	61.25	3.69	64.94
1984	2.69	24.92	18.63	0.64	7.72	4.96	59.57	3.53	63.10
1985	2.61	24.79	19.30	0.68	8.52	4.89	60.79	3.23	64.02
1986	2.54	24.65	19.59	0.65	7.62	4.82	59.87	2.89	62.76
1987	2.55	24.16	19.97	0.63	6.69	4.62	58.62	2.68	61.30
1988	2.43	23.52	20.49	0.63	5.68	4.45	57.21	2.38	59.59

**Table A.2.12**  
**Norway**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	2.37	7.52	---	---	---	---	---	---	---
1951	3.05	6.70	4.82	0.09	1.07	---	---	---	24.22
1952	4.02	6.84	5.36	0.10	1.08	---	---	---	26.24
1953	5.10	7.03	5.92	0.14	1.02	---	---	---	28.75
1954	5.03	6.92	6.18	0.14	1.05	---	---	---	28.49
1955	3.95	7.26	6.39	0.07	1.24	---	---	---	27.97
1956	3.54	7.57	6.25	0.07	1.33	---	---	---	27.58
1957	3.30	7.19	6.30	0.07	1.21	---	---	---	26.71
1958	3.21	7.86	6.87	0.06	1.26	---	---	---	27.75
1959	3.26	8.12	7.64	0.06	1.31	---	---	---	28.83
1960	3.20	8.57	8.24	0.10	1.31	---	28.00	3.29	31.29
1961	3.27	8.54	8.27	0.11	1.34	---	28.10	3.13	31.24
1962	3.53	10.45	9.00	0.11	1.45	4.16	28.70	4.48	33.18
1963	3.51	10.82	9.42	0.16	1.54	4.43	29.89	4.91	34.80
1964	3.43	11.05	9.63	0.18	1.59	3.81	29.68	5.25	34.93
1965	3.75	11.29	9.72	0.18	1.59	4.50	31.04	5.28	36.32
1966	3.57	11.90	10.02	0.21	1.59	4.39	31.67	5.32	36.99
1967	3.51	12.59	10.68	0.18	1.60	4.29	32.86	5.67	38.52
1968	3.61	12.96	11.55	0.26	1.72	4.51	34.60	3.37	37.97
1969	3.60	13.21	12.21	0.32	1.75	5.12	36.22	3.41	39.63
1970	3.47	13.47	13.99	0.37	1.79	5.16	38.25	3.01	41.26
1971	3.39	14.54	15.27	0.31	1.82	5.29	40.62	3.02	43.64
1972	3.29	14.86	15.90	0.39	1.95	5.32	41.71	3.31	45.01
1973	3.13	15.10	16.27	0.40	2.01	5.34	42.26	2.78	45.04
1974	3.04	15.28	15.82	0.51	2.07	5.79	42.51	2.97	45.49
1975	3.21	16.09	12.96	0.59	2.12	6.23	41.20	5.38	46.58
1976	3.12	16.84	13.23	0.64	2.47	6.81	43.12	5.41	48.53
1977	3.10	17.07	13.37	0.76	2.85	7.37	44.51	5.62	50.13
1978	3.22	17.22	14.15	0.83	3.29	7.72	46.42	5.86	52.29
1979	3.08	16.43	14.70	0.81	3.74	7.02	45.79	5.15	50.93
1980	2.89	15.87	13.61	0.77	3.92	7.00	44.06	4.79	48.85
1981	2.89	16.22	13.74	0.80	3.86	6.65	44.16	4.34	48.50
1982	3.01	16.33	14.09	0.90	3.80	6.51	44.64	4.04	48.69
1983	3.08	16.40	15.47	0.96	4.13	6.08	46.12	4.79	50.91
1984	2.80	15.78	15.01	0.86	4.16	5.68	44.29	4.27	48.56
1985	3.08	15.42	14.71	0.84	4.37	4.77	43.19	4.51	47.70
1986	3.07	16.71	15.82	0.96	5.36	5.75	47.68	4.45	52.13
1987	3.36	17.53	16.43	0.94	4.32	5.53	48.10	3.54	51.64
1988	3.26	17.72	18.08	0.91	3.89	5.79	49.66	3.88	53.54

**Table A.2.13**  
**Denmark**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.: Military	Civilian	Transf: Persons	ROW	Debt Interest	Subsid.	Current Total	Capital	Total
1950	1.66	8.21	5.78	0.13	1.12	0.78	17.69	1.90	19.59
1951	2.05	8.95	6.42	0.10	1.11	0.90	19.54	1.76	21.30
1952	2.74	8.91	6.57	0.11	1.23	0.99	20.55	1.94	22.49
1953	3.38	8.58	6.44	0.11	1.38	0.76	20.64	2.25	22.89
1954	3.22	9.28	6.19	0.13	1.36	0.51	20.69	2.15	22.83
1955	3.20	9.40	6.75	0.15	1.41	0.41	21.33	2.41	23.74
1956	3.05	9.52	6.81	0.21	1.39	0.44	21.43	3.59	25.01
1957	3.10	9.43	7.60	0.22	1.40	0.40	22.15	3.80	25.95
1958	2.90	9.86	7.76	0.26	1.28	0.50	22.55	3.75	26.30
1959	2.61	9.86	7.47	0.26	1.22	0.48	21.90	3.55	25.45
1960	2.70	10.58	7.31	0.30	1.12	0.59	22.60	2.60	25.20
1961	2.58	11.86	7.47	0.32	1.00	1.45	24.68	2.57	27.25
1962	3.01	12.18	7.64	0.32	0.93	1.49	25.58	2.19	27.77
1963	3.01	12.43	8.03	0.35	1.02	1.44	26.27	2.11	28.38
1964	2.82	12.74	7.61	0.38	0.99	1.37	25.90	2.14	28.04
1965	2.81	13.49	8.25	0.46	0.96	1.26	27.23	2.50	29.73
1966	2.69	14.42	8.91	0.49	0.98	2.34	29.82	1.64	31.47
1967	2.65	15.18	9.80	0.50	0.98	1.65	30.76	2.87	33.63
1968	2.75	15.87	10.57	0.56	0.95	1.98	32.66	3.02	35.68
1969	2.46	16.41	10.60	0.57	1.02	1.97	33.03	2.72	35.75
1970	2.32	17.63	11.41	0.60	1.68	3.54	37.19	2.25	39.44
1971	2.44	18.81	11.90	0.68	1.60	3.60	39.02	2.51	41.53
1972	2.25	19.03	11.89	0.70	1.37	3.80	39.05	1.33	40.37
1973	2.04	19.26	11.82	0.85	1.31	4.24	39.51	-0.66	38.85
1974	2.29	21.08	11.18	0.92	1.23	3.54	40.25	4.87	45.12
1975	2.44	22.15	12.81	1.06	1.22	2.78	42.46	4.81	47.27
1976	2.26	21.83	12.46	1.16	1.36	2.96	42.03	4.78	46.81
1977	2.27	21.63	12.94	1.33	1.87	3.19	43.23	4.98	48.21
1978	2.33	22.16	13.71	1.34	2.20	3.33	45.07	4.99	50.06
1979	2.30	22.73	13.94	1.59	3.49	3.22	47.28	5.36	52.64
1980	2.41	24.27	15.18	1.62	3.95	3.16	50.58	4.99	55.56
1981	2.53	25.24	16.31	1.60	5.28	3.04	54.00	4.58	58.58
1982	2.50	25.52	16.48	1.70	5.97	3.21	55.38	4.33	59.71
1983	2.45	24.76	17.91	1.76	8.01	3.25	58.14	2.31	60.45
1984	2.32	23.71	17.26	1.79	9.64	3.32	58.04	1.97	60.01
1985	2.17	23.11	16.45	1.86	9.89	3.01	56.49	2.08	58.57
1986	2.06	21.92	15.58	2.09	8.78	2.90	53.34	1.88	55.22
1987	2.12	23.37	16.57	2.13	8.33	3.20	55.70	2.15	57.85
1988	2.17	23.65	17.70	2.31	8.06	3.38	57.27	2.21	59.48

**Table A.2.14**  
**Japan**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.:		Transf:		Debt	Subsid.	Current	Capital	Total
	Military	Civilian	Persons	ROW	Interest		Total		
1950	---	---	---	---	---	---	---	---	---
1951	2.13	---	---	---	---	---	---	---	---
1952	2.11	8.65	---	---	---	---	---	---	---
1953	2.25	8.87	2.86	0.00	---	---	---	---	15.94
1954	2.08	8.95	3.87	0.01	---	---	---	---	16.26
1955	1.77	8.72	4.18	0.11	---	---	---	---	15.73
1956	1.58	8.27	3.78	0.11	---	---	---	---	14.71
1957	1.37	7.74	3.33	0.27	---	---	---	---	13.61
1958	1.36	8.38	3.91	0.81	---	---	---	---	15.24
1959	1.24	8.21	4.04	0.23	---	---	---	---	14.39
1960	1.03	6.93	3.69	0.18	---	---	13.60	4.20	17.80
1961	0.91	6.58	3.40	0.19	---	---	12.90	4.04	16.94
1962	0.96	6.87	3.67	0.14	---	---	13.40	5.03	18.43
1963	0.95	7.05	3.88	0.12	---	---	13.90	4.90	18.80
1964	0.92	6.94	3.92	0.10	---	---	13.80	4.74	18.54
1965	0.92	7.30	4.32	0.10	0.38	0.66	13.67	5.79	19.46
1966	0.89	7.14	4.30	0.13	0.42	0.73	13.62	5.93	19.55
1967	0.84	6.81	4.23	0.13	0.51	0.85	13.38	5.42	18.80
1968	0.80	6.64	4.12	0.11	0.59	1.10	13.37	5.41	18.77
1969	0.78	6.55	3.99	0.10	0.62	1.13	13.16	5.24	18.41
1970	0.78	6.67	4.15	0.09	0.63	1.10	13.41	5.21	18.61
1971	0.83	7.14	4.30	0.10	0.67	1.12	14.15	6.14	20.29
1972	0.85	7.32	4.65	0.11	0.78	1.16	14.86	6.53	21.39
1973	0.82	7.48	4.69	0.05	0.91	1.05	15.00	6.24	21.24
1974	0.87	8.25	5.58	0.05	0.96	1.58	17.30	6.30	23.59
1975	0.92	9.14	8.05	0.02	1.21	1.49	20.84	6.23	27.07
1976	0.90	9.00	8.84	0.02	1.54	1.32	21.61	6.03	27.64
1977	0.90	8.99	9.30	0.02	1.92	1.34	22.46	6.71	29.17
1978	0.92	8.83	9.86	0.02	2.26	1.34	23.22	7.36	30.58
1979	0.92	8.91	10.32	0.03	2.66	1.34	24.18	7.42	31.60
1980	0.92	9.08	10.60	0.04	3.21	1.52	25.37	7.39	32.76
1981	0.95	9.20	11.13	0.03	3.65	1.48	26.44	7.20	33.65
1982	0.96	9.20	11.56	0.03	3.92	1.43	27.10	7.00	34.10
1983	0.97	9.23	11.76	0.04	4.35	1.45	27.79	6.14	33.93
1984	0.98	8.90	11.51	0.04	4.48	1.28	27.19	5.99	33.18
1985	0.99	8.71	11.49	0.03	4.53	1.15	26.90	5.66	32.56
1986	1.00	8.87	11.83	0.02	4.51	1.12	27.35	5.72	33.07
1987	1.01	8.56	12.20	0.03	4.47	0.98	27.25	6.05	33.30
1988	1.00	8.39	12.28	0.03	4.25	0.86	26.80	6.22	33.03

**Table A.2.15**  
**Australia**  
**General Government Expenditures As a Percent of GDP:**  
**Current and Capital Accounts**

Year	Current: Cons.:		Transf:		Debt	Subsid.	Current	Capital	Total
	Military	Civilian	Persons	ROW	Interest		Total		
1950	2.99	8.53	---	---	---	---	---	---	---
1951	3.90	7.96	---	---	---	---	---	---	---
1952	5.06	7.66	---	---	---	---	---	---	---
1953	4.53	6.08	---	---	---	---	---	---	---
1954	3.80	6.59	---	---	---	---	---	---	---
1955	3.77	7.09	---	---	---	---	---	---	---
1956	3.58	6.87	---	---	---	---	---	---	---
1957	3.13	6.78	---	---	---	---	---	---	---
1958	3.04	7.53	---	---	---	---	---	---	---
1959	2.94	7.62	---	---	---	---	---	---	---
1960	2.57	7.07	5.69	0.36	2.59	0.51	18.79	4.03	22.82
1961	2.61	7.60	6.11	0.43	2.79	0.48	20.02	4.29	24.31
1962	2.58	7.34	5.93	0.45	2.71	0.61	19.61	4.55	24.16
1963	2.64	7.21	5.90	0.48	2.77	0.57	19.59	4.56	24.15
1964	2.86	7.55	5.65	0.54	2.69	0.63	19.91	4.46	24.37
1965	3.26	8.15	5.73	0.61	2.74	0.72	21.22	4.52	25.73
1966	3.52	8.33	5.62	0.66	2.66	0.79	21.58	4.29	25.86
1967	3.76	9.25	5.51	0.62	2.76	0.85	22.75	3.66	26.41
1968	3.72	8.25	5.33	0.58	2.62	0.85	21.35	4.45	25.80
1969	3.49	8.52	5.46	0.59	2.58	0.89	21.53	4.26	25.79
1970	3.24	9.20	5.50	0.55	2.51	0.86	21.86	4.25	26.11
1971	2.82	9.88	5.75	0.55	2.46	1.03	22.49	3.94	26.43
1972	2.57	10.12	6.27	0.59	2.40	0.75	22.71	3.81	26.52
1973	2.42	10.88	6.46	0.56	2.13	0.62	23.07	3.53	26.60
1974	2.51	12.37	7.46	0.57	1.63	1.21	25.75	4.57	30.32
1975	2.53	13.16	8.68	0.53	1.54	1.15	27.59	4.74	32.33
1976	2.52	13.55	9.26	0.50	1.94	1.20	28.97	4.14	33.11
1977	2.61	14.09	9.60	0.50	2.11	1.42	30.34	4.08	34.42
1978	2.47	13.84	9.29	0.50	2.23	1.52	29.85	3.74	33.60
1979	2.40	13.76	8.99	0.49	2.21	1.55	29.40	3.42	32.82
1980	2.42	14.34	8.97	0.47	2.30	1.65	30.16	3.05	33.21
1981	2.65	14.33	9.23	0.49	2.32	1.70	30.73	2.93	33.67
1982	2.81	14.96	10.25	0.49	2.49	1.88	32.89	3.12	36.01
1983	2.75	14.55	11.05	0.45	2.79	1.78	33.37	4.14	37.51
1984	2.81	16.19	11.17	0.45	3.19	1.73	35.54	2.88	38.42
1985	2.88	16.20	10.85	0.42	3.62	1.64	35.62	2.95	38.57
1986	2.88	15.89	10.63	0.36	3.76	1.49	35.00	2.94	37.94
1987	2.48	15.43	10.35	0.34	3.48	1.30	33.38	2.35	35.73
1988	2.24	14.56	9.70	0.34	3.89	1.26	31.99	2.15	34.14



**Table A.3.1**  
**United States**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	---	---	---	---	22.37	---
1951	---	---	---	---	24.94	---
1952	---	---	---	---	28.34	---
1953	---	---	---	---	28.79	---
1954	---	---	---	---	27.93	---
1955	---	---	---	---	25.76	---
1956	---	---	---	---	25.92	---
1957	---	---	---	---	26.98	---
1958	---	---	---	---	29.59	---
1959	---	---	---	---	28.05	---
1960	27.34	24.69	2.65	29.29	28.35	0.94
1961	27.38	26.17	1.21	29.34	29.80	-0.47
1962	27.52	26.07	1.45	29.40	29.73	-0.33
1963	28.02	25.85	2.17	29.87	29.48	0.39
1964	27.03	25.47	1.56	28.87	28.99	-0.12
1965	26.99	24.97	2.02	28.80	28.09	0.72
1966	27.83	26.12	1.72	29.61	29.06	0.56
1967	28.32	27.99	0.33	30.10	31.68	-1.58
1968	29.99	28.80	1.19	31.72	32.41	-0.68
1969	31.15	28.33	2.81	32.93	31.66	1.27
1970	30.26	29.74	0.52	32.19	33.66	-1.48
1971	29.56	29.60	-0.04	31.55	33.50	-1.95
1972	30.61	29.69	0.92	32.59	33.14	-0.55
1973	30.87	29.10	1.77	32.68	32.30	0.38
1974	31.04	30.93	0.12	32.99	33.38	-0.38
1975	29.57	33.28	-3.70	31.57	35.95	-4.38
1976	30.44	32.84	-2.39	32.35	34.94	-2.59
1977	30.62	31.89	-1.27	32.52	33.85	-1.33
1978	30.94	31.06	-0.12	32.70	33.12	-0.42
1979	31.43	31.22	0.22	33.27	33.25	0.02
1980	31.72	33.23	-1.52	33.63	35.28	-1.65
1981	32.36	33.74	-1.38	34.16	35.42	-1.26
1982	31.87	36.15	-4.28	33.64	37.92	-4.29
1983	31.43	36.30	-4.87	33.05	37.05	-4.00
1984	30.69	34.60	-3.91	32.16	35.94	-3.78
1985	31.31	35.32	-4.01	32.79	36.88	-4.09
1986	31.28	35.60	-4.31	32.75	37.12	-4.37
1987	31.98	35.30	-3.32	33.41	36.95	-3.54
1988	31.54	34.50	-2.95	32.96	36.52	-3.56

**Table A.3.2**  
**Canada**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	---	19.08	---	25.87	21.86	4.01
1951	---	20.28	---	28.75	23.22	5.53
1952	---	21.91	---	27.57	25.42	2.15
1953	---	23.23	---	27.41	26.23	1.18
1954	---	23.81	---	27.46	27.30	0.16
1955	---	23.24	---	27.62	26.76	0.87
1956	---	22.25	---	27.66	25.96	1.71
1957	---	23.02	---	27.85	27.12	0.73
1958	---	25.08	---	26.87	29.40	-2.54
1959	---	24.67	---	28.80	29.69	-0.88
1960	26.00	25.43	0.56	27.56	29.06	-1.50
1961	26.59	26.11	0.48	28.22	30.31	-2.08
1962	27.00	25.86	1.14	28.61	30.24	-1.63
1963	26.81	25.47	1.35	28.37	29.71	-1.34
1964	27.76	25.19	2.56	29.26	29.06	0.19
1965	28.10	24.98	3.12	29.69	29.32	0.37
1966	29.42	25.82	3.60	31.04	30.36	0.68
1967	30.96	27.84	3.11	32.50	32.28	0.22
1968	32.35	29.09	3.27	33.88	33.20	0.68
1969	34.48	29.84	4.64	36.02	33.64	2.38
1970	35.18	32.18	3.00	36.77	35.83	0.94
1971	35.32	32.74	2.58	36.78	36.64	0.14
1972	35.90	33.46	2.44	37.29	37.22	0.07
1973	35.60	32.42	3.18	36.88	35.52	1.36
1974	37.75	33.62	4.13	39.30	36.76	2.54
1975	36.82	36.65	0.17	38.41	40.59	-2.18
1976	36.25	35.81	0.44	37.76	39.17	-1.41
1977	36.53	36.84	-0.30	38.08	40.07	-2.00
1978	36.12	37.31	-1.18	37.66	40.53	-2.86
1979	35.99	36.29	-0.30	37.52	39.04	-1.52
1980	36.70	37.90	-1.21	38.22	40.56	-2.34
1981	38.93	38.91	0.02	40.47	41.54	-1.07
1982	39.35	42.68	-3.32	40.96	45.28	-4.32
1983	38.94	43.63	-4.68	40.54	46.06	-5.52
1984	38.73	43.47	-4.74	40.18	46.02	-5.84
1985	38.61	43.78	-5.17	40.10	46.44	-6.34
1986	39.16	42.97	-3.81	40.61	45.48	-4.87
1987	39.52	42.84	-3.32	41.05	45.19	-4.14
1988	40.40	41.71	-1.31	41.33	44.00	-2.67

**Table A.3.3**  
**United Kingdom**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	32.80	29.36	3.44	36.37	32.05	4.32
1951	32.00	29.60	2.40	35.41	34.96	0.45
1952	32.60	31.33	1.27	34.79	37.22	-2.43
1953	31.10	30.57	0.53	33.07	36.49	-3.42
1954	30.40	29.88	0.52	32.47	33.51	-1.04
1955	30.40	28.88	1.52	32.73	32.58	0.15
1956	29.60	28.56	1.04	31.56	32.31	-0.75
1957	29.90	28.05	1.85	31.83	31.81	0.02
1958	30.70	28.77	1.93	32.67	32.52	0.15
1959	30.60	29.04	1.56	32.50	32.62	-0.11
1960	29.99	28.78	1.21	31.92	32.08	-0.16
1961	31.14	30.24	0.90	32.89	33.47	-0.58
1962	32.74	30.80	1.94	34.32	34.36	-0.04
1963	31.41	30.90	0.51	31.69	34.54	-2.85
1964	31.42	29.84	1.58	32.95	34.20	-1.26
1965	33.10	30.72	2.38	32.94	34.94	-1.99
1966	34.27	31.21	3.06	35.61	35.62	-0.01
1967	36.14	33.06	3.07	36.93	37.79	-0.86
1968	37.35	33.40	3.95	37.63	38.31	-0.68
1969	39.36	32.97	6.39	36.89	37.72	-0.82
1970	40.49	32.96	7.52	40.26	37.77	2.49
1971	38.05	32.68	5.37	38.26	37.28	0.98
1972	36.56	34.26	2.30	36.62	39.16	-2.54
1973	35.98	34.11	1.87	35.67	38.98	-3.31
1974	39.61	38.51	1.10	41.40	43.15	-1.75
1975	40.24	39.86	0.38	41.87	45.35	-3.49
1976	39.31	39.47	-0.15	40.93	44.81	-3.88
1977	38.88	38.25	0.63	40.44	42.75	-2.31
1978	37.55	38.14	-0.58	39.04	42.25	-3.21
1979	38.43	38.32	0.10	39.93	42.40	-2.47
1980	40.23	40.69	-0.46	41.79	44.27	-2.48
1981	42.39	43.00	-0.61	44.08	45.80	-1.73
1982	43.16	43.54	-0.38	44.68	46.13	-1.45
1983	42.65	44.01	-1.37	44.07	47.37	-3.30
1984	42.87	44.72	-1.84	44.30	48.21	-3.91
1985	42.68	43.79	-1.10	44.13	46.83	-2.70
1986	41.94	42.99	-1.05	43.41	46.47	-3.06
1987	40.67	40.93	-0.26	41.45	42.86	-1.41
1988	---	---	---	---	---	---

**Table A.3.4**  
**Netherlands**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

<b>Year</b>	<b>Current Revenues</b>	<b>Current Spending</b>	<b>Current Surplus/Deficit</b>	<b>Total Revenues</b>	<b>Total Spending</b>	<b>Total Surplus/Deficit</b>
1950	32.70	---	---	---	27.09	---
1951	32.50	---	---	---	27.63	---
1952	34.40	---	---	---	27.34	---
1953	32.10	---	---	---	29.35	---
1954	30.10	---	---	---	29.15	---
1955	28.40	---	---	---	29.18	---
1956	30.30	---	---	---	32.62	---
1957	33.30	---	---	---	35.55	---
1958	32.40	---	---	---	36.63	---
1959	32.60	---	---	---	35.05	---
1960	32.23	26.85	5.39	31.77	33.45	-1.67
1961	33.18	27.57	5.61	31.95	34.26	-2.31
1962	32.71	28.35	4.36	32.31	35.17	-2.85
1963	33.85	30.18	3.67	33.86	36.87	-3.00
1964	33.94	30.55	3.39	33.97	37.89	-3.92
1965	35.47	31.65	3.82	35.56	39.08	-3.53
1966	37.27	33.26	4.01	37.26	40.99	-3.73
1967	38.60	34.80	3.80	38.52	42.74	-4.21
1968	39.84	35.55	4.29	39.65	40.67	-1.01
1969	40.64	36.37	4.27	40.45	41.30	-0.85
1970	41.80	37.79	4.01	41.50	42.33	-0.84
1971	44.00	39.65	4.34	43.80	44.23	-0.43
1972	45.08	40.76	4.33	44.80	44.92	-0.13
1973	46.76	41.46	5.30	46.29	44.84	1.45
1974	46.89	44.01	2.88	47.94	46.74	1.20
1975	49.18	46.66	2.51	50.23	51.84	-1.61
1976	49.42	47.26	2.16	50.69	52.02	-1.33
1977	50.48	49.22	1.25	51.45	53.14	-1.69
1978	50.88	50.31	0.57	51.94	54.41	-2.47
1979	51.43	52.08	-0.65	52.47	55.63	-3.16
1980	52.81	52.79	0.02	53.88	56.50	-2.62
1981	53.46	54.60	-1.14	54.57	58.22	-3.65
1982	54.00	55.85	-1.85	55.07	59.20	-4.12
1983	55.89	57.59	-1.70	56.95	59.94	-2.99
1984	54.06	55.70	-1.64	55.23	58.52	-3.29
1985	54.51	55.04	-0.53	55.65	57.59	-1.94
1986	52.79	53.98	-1.19	53.94	56.23	-2.29
1987	53.36	54.93	-1.57	51.09	57.26	-6.17
1988	52.18	53.30	-1.12	50.74	55.71	-4.96

**Table A.3.5**  
**Belgium**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	---	---	---	---	---	---
1951	---	---	---	---	---	---
1952	---	---	---	---	---	---
1953	23.80	24.94	-1.14	---	26.33	---
1954	23.10	24.58	-1.48	---	26.58	---
1955	23.60	23.18	0.42	---	24.98	---
1956	24.10	23.11	0.99	---	24.83	---
1957	25.10	22.97	2.13	---	24.90	---
1958	25.00	25.20	-0.20	---	26.86	---
1959	25.70	26.21	-0.51	---	28.13	---
1960	27.80	28.26	-0.46	---	30.75	---
1961	28.80	27.59	1.21	---	30.44	---
1962	29.60	28.15	1.45	---	31.35	---
1963	29.78	28.89	0.89	---	32.09	---
1964	30.41	27.78	2.63	---	31.61	---
1965	31.12	29.73	1.40	---	32.98	---
1966	32.91	30.62	2.30	---	34.33	---
1967	33.69	31.37	2.32	---	35.38	---
1968	34.31	32.88	1.43	---	37.25	---
1969	34.83	32.91	1.91	---	36.89	---
1970	35.75	33.06	2.69	---	37.46	---
1971	36.23	33.83	2.40	---	38.72	---
1972	36.08	34.78	1.29	---	39.63	---
1973	36.97	35.75	1.21	---	39.92	---
1974	38.35	36.28	2.07	---	40.42	---
1975	41.18	40.40	0.78	---	44.83	---
1976	41.10	41.40	-0.30	---	45.60	---
1977	42.64	43.00	-0.36	---	47.26	---
1978	43.49	44.50	-1.01	---	48.59	---
1979	44.24	45.97	-1.73	---	50.06	---
1980	44.02	47.09	-3.08	---	51.68	---
1981	44.73	51.75	-7.02	---	56.38	---
1982	46.75	52.43	-5.68	---	56.90	---
1983	44.65	51.71	-7.05	---	54.73	---
1984	45.80	52.21	-6.40	---	54.09	---
1985	46.06	51.80	-5.75	---	53.39	---
1986	44.75	51.35	-6.60	---	52.72	---
1987	45.40	50.56	-5.16	---	51.90	---
1988	44.30	48.89	-4.59	---	50.33	---

**Table A.3.6**  
**France**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	32.80	26.67	6.13	---	29.35	---
1951	32.40	27.77	4.63	---	31.98	---
1952	32.80	30.18	2.62	---	34.60	---
1953	34.10	31.07	3.03	---	35.53	---
1954	33.70	29.89	3.81	---	34.28	---
1955	33.20	29.95	3.25	---	34.24	---
1956	33.90	31.97	1.93	---	35.31	---
1957	34.10	32.02	2.08	---	35.20	---
1958	34.80	31.08	3.72	---	34.30	---
1959	35.50	31.60	3.91	---	34.51	---
1960	34.90	30.90	4.00	---	34.01	---
1961	36.16	31.84	4.32	36.06	34.17	1.89
1962	36.28	33.00	3.28	36.35	35.54	0.81
1963	37.06	33.65	3.41	37.29	36.24	1.05
1964	38.03	33.41	4.62	38.24	36.22	2.02
1965	38.41	33.76	4.65	38.71	36.58	2.14
1966	38.36	33.72	4.64	38.54	36.54	2.00
1967	38.23	34.16	4.07	38.45	37.16	1.29
1968	38.76	35.60	3.16	39.12	38.51	0.61
1969	39.78	35.31	4.47	40.14	38.10	2.04
1970	38.98	34.77	4.20	39.53	37.66	1.86
1971	38.22	34.43	3.79	38.85	37.22	1.63
1972	38.19	34.37	3.82	38.80	37.27	1.53
1973	38.55	34.91	3.65	39.16	37.37	1.79
1974	40.35	35.81	4.54	41.23	38.46	2.77
1975	41.47	36.92	4.54	42.50	41.52	0.97
1976	43.74	36.98	6.76	44.65	41.20	3.45
1977	43.58	37.83	5.75	44.42	41.81	2.61
1978	43.39	38.97	4.41	44.24	42.68	1.56
1979	44.88	38.95	5.93	45.75	42.66	3.09
1980	46.75	39.66	7.09	47.63	43.31	4.32
1981	47.57	42.43	5.14	48.54	45.93	2.62
1982	48.38	43.84	4.54	49.31	47.73	1.58
1983	48.89	45.46	3.42	49.77	51.29	-1.51
1984	49.30	48.68	0.62	50.21	51.66	-1.45
1985	49.40	48.90	0.50	50.37	52.00	-1.63
1986	48.90	48.46	0.44	49.97	51.62	-1.64
1987	49.41	48.34	1.07	49.17	51.60	-2.43
1988	47.09	46.87	0.22	48.73	50.10	-1.37

**Table A.3.9**  
**Italy**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

<b>Year</b>	<b>Current Revenues</b>	<b>Current Spending</b>	<b>Current Surplus/Deficit</b>	<b>Total Revenues</b>	<b>Total Spending</b>	<b>Total Surplus/Deficit</b>
1950	---	---	---	---	---	---
1951	---	---	---	---	23.99	---
1952	---	---	---	---	26.75	---
1953	---	---	---	---	26.72	---
1954	---	---	---	---	28.69	---
1955	---	---	---	---	28.79	---
1956	---	---	---	---	29.21	---
1957	---	---	---	---	28.86	---
1958	---	---	---	---	29.62	---
1959	---	---	---	---	30.46	---
1960	30.85	27.93	2.92	30.86	31.74	-0.89
1961	28.14	25.23	2.91	27.89	28.57	-0.68
1962	29.01	26.25	2.76	28.54	29.42	-0.88
1963	29.44	27.28	2.16	29.33	30.32	-0.99
1964	30.50	27.93	2.57	30.47	31.13	-0.66
1965	30.01	30.40	-0.40	29.61	33.26	-3.65
1966	30.01	30.35	-0.34	29.69	32.31	-2.62
1967	30.96	30.15	0.81	30.27	31.69	-1.42
1968	31.48	31.21	0.27	30.98	32.92	-1.94
1969	30.60	31.05	-0.45	30.06	32.37	-2.30
1970	30.30	30.43	-0.13	29.65	31.67	-2.02
1971	30.99	33.93	-2.94	30.79	35.25	-4.46
1972	30.77	35.67	-4.91	30.51	37.04	-6.52
1973	30.36	34.98	-4.62	30.10	36.76	-6.66
1974	30.51	33.83	-3.32	30.34	37.53	-7.19
1975	31.36	37.95	-6.59	28.44	41.87	-13.43
1976	33.08	37.74	-4.66	32.42	41.50	-9.09
1977	34.08	38.60	-4.52	32.93	41.94	-9.01
1978	36.05	41.24	-5.19	35.13	44.91	-9.78
1979	35.67	41.02	-5.34	34.66	44.13	-9.47
1980	37.91	42.26	-4.35	38.46	44.90	-6.43
1981	33.84	40.91	-7.06	34.40	44.72	-10.32
1982	36.00	43.38	-7.38	37.09	47.06	-9.97
1983	37.85	45.13	-7.28	39.31	48.67	-9.36
1984	37.74	45.18	-7.43	38.66	48.65	-9.99
1985	38.23	45.31	-7.08	38.92	48.99	-10.07
1986	38.92	45.65	-6.73	39.57	48.99	-9.42
1987	39.31	45.91	-6.59	38.27	49.42	-11.15
1988	39.94	46.11	-6.17	38.99	49.57	-10.59

**Table A.3.10**  
**Finland**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	---	---	---	---	---	---
1951	---	---	---	---	---	---
1952	---	---	---	---	---	---
1953	---	---	---	---	---	---
1954	---	---	---	---	---	---
1955	---	---	---	---	---	---
1956	---	---	---	---	---	---
1957	---	---	---	---	---	---
1958	---	---	---	---	---	---
1959	---	---	---	---	---	---
1960	31.62	21.46	10.16	31.56	26.86	4.70
1961	30.05	21.46	8.59	30.01	26.39	3.62
1962	31.38	22.67	8.71	31.35	27.76	3.58
1963	29.18	23.99	5.19	29.22	28.58	0.64
1964	31.74	24.61	7.13	31.50	29.84	1.66
1965	32.53	25.29	7.24	31.94	30.68	1.26
1966	33.96	26.39	7.58	34.13	31.83	2.30
1967	34.66	27.45	7.22	34.92	32.64	2.28
1968	34.64	27.75	6.89	34.80	32.70	2.10
1969	33.53	26.72	6.81	33.91	31.26	2.65
1970	34.27	26.78	7.50	34.56	30.52	4.04
1971	35.53	27.94	7.59	35.78	31.89	3.89
1972	35.61	28.12	7.48	35.98	32.40	3.58
1973	35.99	26.80	9.19	36.21	30.95	5.26
1974	35.74	27.94	7.81	36.48	32.07	4.41
1975	37.75	31.13	6.62	38.29	35.61	2.68
1976	40.97	32.81	8.15	41.80	37.19	4.61
1977	40.33	33.92	6.41	41.29	38.40	2.89
1978	37.98	33.72	4.26	38.98	38.11	0.86
1979	36.04	32.81	3.23	36.91	37.31	-0.40
1980	35.82	32.40	3.42	36.72	36.95	-0.24
1981	37.48	33.38	4.10	38.43	38.04	0.39
1982	37.39	34.66	2.73	38.18	39.52	-1.34
1983	37.37	36.06	1.31	38.38	39.90	-1.52
1984	38.87	36.01	2.86	39.84	39.40	0.44
1985	40.31	37.65	2.66	41.32	41.13	0.19
1986	41.81	38.66	3.15	42.89	42.05	0.84
1987	39.58	38.22	1.36	40.62	41.77	-1.15
1988	40.30	35.92	4.37	40.77	39.38	1.40



**Table A.3.11**  
**Sweden**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	26.20	---	---	---	---	---
1951	27.00	---	---	---	---	---
1952	29.80	---	---	---	---	---
1953	30.80	---	---	---	---	---
1954	31.00	---	---	---	---	---
1955	32.70	---	---	---	---	---
1956	33.10	---	---	---	---	---
1957	33.60	---	---	---	---	---
1958	34.50	---	---	---	---	---
1959	34.30	---	---	---	---	---
1960	32.17	27.11	5.06	33.29	31.34	1.95
1961	33.61	27.09	6.52	34.73	31.48	3.25
1962	35.48	27.96	7.52	36.61	32.36	4.25
1963	36.54	29.11	7.43	37.72	34.61	3.10
1964	36.75	28.92	7.83	37.95	34.86	3.09
1965	39.55	30.17	9.39	40.73	36.18	4.55
1966	41.25	31.93	9.32	42.44	38.06	4.38
1967	42.62	33.35	9.28	43.79	40.11	3.68
1968	45.47	35.73	9.74	46.63	41.98	4.65
1969	46.32	36.40	9.91	47.59	42.42	5.17
1970	46.35	36.99	9.37	47.63	42.75	4.88
1971	48.95	39.21	9.74	50.14	44.36	5.79
1972	49.10	40.07	9.04	50.23	45.50	4.73
1973	47.42	40.03	7.39	48.69	44.43	4.26
1974	48.81	42.82	5.99	50.35	48.08	2.27
1975	50.52	44.06	6.46	52.03	49.02	3.01
1976	55.11	46.84	8.26	56.62	51.59	5.03
1977	57.96	51.76	6.19	59.56	57.02	2.53
1978	57.50	53.17	4.32	59.10	58.34	0.75
1979	56.44	54.11	2.33	58.03	59.15	-1.12
1980	56.61	56.00	0.60	58.20	60.89	-2.69
1981	58.31	58.78	-0.46	59.95	63.63	-3.68
1982	63.17	60.63	2.55	64.84	65.17	-0.33
1983	59.95	61.25	-1.31	61.61	64.94	-3.33
1984	59.59	59.57	0.02	61.21	63.10	-1.89
1985	59.55	60.79	-1.24	61.02	64.02	-3.00
1986	61.46	59.87	1.59	63.01	62.76	0.25
1987	62.73	58.62	4.11	65.38	61.30	4.08
1988	61.86	57.21	4.65	63.08	59.59	3.48

**Table A.3.12**  
**Norway**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	---	---	---	---	---	---
1951	---	---	---	---	24.22	---
1952	---	---	---	---	26.24	---
1953	---	---	---	---	28.75	---
1954	---	---	---	---	28.49	---
1955	---	---	---	---	27.97	---
1956	---	---	---	---	27.58	---
1957	---	---	---	---	26.71	---
1958	---	---	---	---	27.75	---
1959	---	---	---	---	28.83	---
1960	30.83	28.00	2.83	---	31.29	---
1961	31.93	28.10	3.83	---	31.24	---
1962	35.51	28.70	6.81	36.08	33.18	2.90
1963	35.48	29.89	5.59	36.06	34.80	1.26
1964	36.03	29.68	6.35	36.61	34.93	1.68
1965	36.80	31.04	5.76	37.40	36.32	1.08
1966	38.28	31.67	6.61	38.91	36.99	1.92
1967	40.53	32.86	7.67	41.18	38.52	2.66
1968	41.11	34.60	6.51	41.75	37.97	3.78
1969	43.33	36.22	7.12	44.00	39.63	4.37
1970	43.51	38.25	5.26	44.23	41.26	2.98
1971	46.56	40.62	5.94	47.30	43.64	3.66
1972	48.42	41.71	6.71	49.18	45.01	4.17
1973	49.60	42.26	7.34	50.36	45.04	5.32
1974	48.51	42.51	6.00	49.29	45.49	3.80
1975	49.62	41.20	8.42	51.16	46.58	4.58
1976	50.86	43.12	7.75	52.43	48.53	3.90
1977	50.96	44.51	6.45	52.56	50.13	2.43
1978	52.04	46.42	5.62	53.68	52.29	1.39
1979	51.88	45.79	6.10	53.49	50.93	2.56
1980	54.25	44.06	10.18	55.78	48.85	6.93
1981	53.76	44.16	9.60	55.26	48.50	6.76
1982	53.01	44.64	8.36	54.53	48.69	5.85
1983	53.20	46.12	7.07	54.69	50.91	3.78
1984	54.48	44.29	10.19	55.89	48.56	7.33
1985	56.67	43.19	13.48	58.10	47.70	10.40
1986	56.32	47.68	8.64	57.85	52.13	5.72
1987	54.25	48.10	6.15	55.11	51.64	3.47
1988	55.13	49.66	5.46	56.04	53.54	2.50

**Table A.3.13**  
**Denmark**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

<b>Year</b>	<b>Current Revenues</b>	<b>Current Spending</b>	<b>Current Surplus/Deficit</b>	<b>Total Revenues</b>	<b>Total Spending</b>	<b>Total Surplus/Deficit</b>
1950	21.80	17.69	4.11	18.96	19.59	-0.64
1951	22.90	19.54	3.36	22.84	21.30	1.54
1952	23.70	20.55	3.15	23.61	22.49	1.12
1953	24.40	20.64	3.76	25.45	22.89	2.56
1954	24.70	20.69	4.01	25.76	22.83	2.92
1955	25.80	21.33	4.47	26.82	23.74	3.08
1956	25.90	21.43	4.47	26.96	25.01	1.95
1957	26.60	22.15	4.45	27.57	25.95	1.63
1958	27.20	22.55	4.65	28.38	26.30	2.08
1959	27.40	21.90	5.50	28.71	25.45	3.27
1960	26.96	22.60	4.37	28.74	25.20	3.54
1961	26.29	24.68	1.60	28.22	27.25	0.97
1962	27.76	25.58	2.18	29.69	27.77	1.92
1963	29.45	26.27	3.18	31.31	28.38	2.93
1964	29.35	25.90	3.45	31.16	28.04	3.12
1965	30.75	27.23	3.52	32.61	29.73	2.88
1966	32.02	29.82	2.20	35.02	31.47	3.55
1967	33.61	30.76	2.85	35.63	33.63	2.00
1968	36.00	32.66	3.34	38.10	35.68	2.42
1969	36.62	33.03	3.60	38.34	35.75	2.59
1970	41.15	37.19	3.96	46.14	39.44	6.70
1971	44.07	39.02	5.05	47.87	41.53	6.33
1972	43.72	39.05	4.67	48.70	40.37	8.33
1973	44.05	39.51	4.54	49.39	38.85	10.55
1974	48.44	40.25	8.19	49.48	45.12	4.36
1975	46.15	42.46	3.69	47.32	47.27	0.05
1976	46.91	42.03	4.88	48.06	46.81	1.25
1977	47.63	43.23	4.40	48.91	48.21	0.70
1978	49.65	45.07	4.58	50.87	50.06	0.81
1979	50.77	47.28	3.49	52.07	52.64	-0.56
1980	52.16	50.58	1.59	53.64	55.56	-1.92
1981	52.07	54.00	-1.93	53.44	58.58	-5.14
1982	50.91	55.38	-4.48	52.25	59.71	-7.46
1983	53.33	58.14	-4.82	54.68	60.45	-5.77
1984	55.85	58.04	-2.19	57.19	60.01	-2.82
1985	56.68	56.49	0.19	58.00	58.57	-0.57
1986	57.97	53.34	4.63	59.30	55.22	4.08
1987	59.49	55.70	3.79	59.86	57.85	2.01
1988	59.55	57.27	2.28	59.73	59.48	0.24

**Table A.3.14**  
**Japan**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

Year	Current Revenues	Current Spending	Current Surplus/Deficit	Total Revenues	Total Spending	Total Surplus/Deficit
1950	---	---	---	---	---	---
1951	---	---	---	---	---	---
1952	---	---	---	---	---	---
1953	---	---	---	---	15.94	---
1954	---	---	---	---	16.26	---
1955	---	---	---	---	15.73	---
1956	---	---	---	---	14.71	---
1957	---	---	---	---	13.61	---
1958	---	---	---	---	15.24	---
1959	---	---	---	---	14.39	---
1960	20.33	13.60	6.73	---	17.80	---
1961	20.53	12.90	7.63	---	16.94	---
1962	21.21	13.40	7.81	---	18.43	---
1963	21.02	13.90	7.12	---	18.80	---
1964	20.13	13.80	6.33	---	18.54	---
1965	19.55	13.67	5.87	---	19.46	---
1966	19.07	13.62	5.45	---	19.55	---
1967	19.21	13.38	5.83	---	18.80	---
1968	19.52	13.37	6.15	---	18.77	---
1969	19.49	13.16	6.33	---	18.41	---
1970	20.66	13.41	7.26	20.82	18.61	2.21
1971	21.60	14.15	7.45	21.80	20.29	1.51
1972	21.50	14.86	6.64	21.74	21.39	0.35
1973	22.44	15.00	7.44	22.61	21.24	1.36
1974	24.46	17.30	7.17	24.50	23.59	0.91
1975	24.08	20.84	3.24	24.16	27.07	-2.91
1976	23.66	21.61	2.05	23.83	27.64	-3.81
1977	24.81	22.46	2.35	25.04	29.17	-4.13
1978	24.71	23.22	1.48	24.81	30.58	-5.77
1979	26.67	24.18	2.49	26.76	31.60	-4.85
1980	28.07	25.37	2.70	28.18	32.76	-4.58
1981	29.62	26.44	3.17	29.81	33.65	-3.84
1982	30.02	27.10	2.91	30.40	34.10	-3.70
1983	30.41	27.79	2.62	30.89	33.93	-3.04
1984	30.44	27.19	3.26	31.08	33.18	-2.10
1985	31.23	26.90	4.32	31.74	32.56	-0.82
1986	31.35	27.35	4.00	31.96	33.07	-1.11
1987	33.16	27.25	5.91	33.89	33.30	0.60
1988	34.33	26.80	7.53	35.11	33.03	2.09

**Table A.3.15**  
**Australia**  
**General Government Revenues, Expenditures, and Balances (as % GDP)**

<b>Year</b>	<b>Current Revenues</b>	<b>Current Spending</b>	<b>Current Surplus/Deficit</b>	<b>Total Revenues</b>	<b>Total Spending</b>	<b>Total Surplus/Deficit</b>
1950	---	---	---	---	---	---
1951	---	---	---	---	---	---
1952	---	---	---	---	---	---
1953	---	---	---	---	---	---
1954	---	---	---	---	---	---
1955	---	---	---	---	---	---
1956	---	---	---	---	---	---
1957	---	---	---	---	---	---
1958	---	---	---	---	---	---
1959	---	---	---	---	---	---
1960	25.40	18.79	6.61	26.05	22.82	3.23
1961	25.13	20.02	5.10	25.82	24.31	1.51
1962	24.24	19.61	4.63	24.92	24.16	0.76
1963	24.39	19.59	4.80	25.08	24.15	0.93
1964	25.78	19.91	5.87	26.31	24.37	1.94
1965	26.96	21.22	5.74	27.33	25.73	1.60
1966	26.16	21.58	4.58	26.59	25.86	0.73
1967	27.00	22.75	4.25	27.43	26.41	1.02
1968	26.78	21.35	5.42	27.34	25.80	1.54
1969	27.64	21.53	6.11	28.17	25.79	2.39
1970	27.75	21.86	5.90	28.27	26.11	2.16
1971	28.40	22.49	5.91	28.82	26.43	2.40
1972	27.15	22.71	4.44	27.52	26.52	1.00
1973	28.30	23.07	5.24	28.62	26.60	2.02
1974	29.78	25.75	4.03	32.70	30.32	2.38
1975	30.47	27.59	2.88	33.46	32.33	1.13
1976	31.16	28.97	2.19	34.07	33.11	0.96
1977	31.58	30.34	1.24	34.54	34.42	0.12
1978	30.46	29.85	0.61	33.23	33.60	-0.36
1979	31.46	29.40	2.07	34.16	32.82	1.34
1980	32.37	30.16	2.20	34.98	33.21	1.77
1981	33.42	30.73	2.68	36.02	33.67	2.35
1982	33.69	32.89	0.80	36.42	36.01	0.41
1983	32.78	33.37	-0.59	35.27	37.51	-2.24
1984	33.56	35.54	-1.99	35.83	38.42	-2.59
1985	34.00	35.62	-1.62	36.30	38.57	-2.27
1986	34.74	35.00	-0.26	37.04	37.94	-0.90
1987	34.39	33.38	1.01	36.03	35.73	0.30
1988	34.30	31.99	2.32	35.86	34.14	1.72

**Table A.4.1**  
**United States**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	5.09	---	---	---	---
1951	---	10.08	---	---	---	---
1952	---	13.62	---	---	---	---
1953	---	13.45	---	---	---	---
1954	---	11.73	---	---	---	---
1955	---	10.12	---	---	---	---
1956	10.35	9.87	0.47	---	---	---
1957	10.42	9.95	0.47	---	---	---
1958	10.64	10.10	0.54	---	---	---
1959	9.94	9.46	0.48	---	---	---
1960	9.53	8.98	0.55	0.51	0.04	---
1961	9.79	9.13	0.66	0.62	0.04	0.343
1962	9.95	9.30	0.66	0.61	0.05	0.344
1963	9.44	8.79	0.65	0.61	0.03	0.319
1964	8.61	8.05	0.56	0.52	0.04	0.293
1965	8.05	7.52	0.53	0.50	0.02	0.267
1966	8.91	8.43	0.49	0.47	0.01	0.266
1967	9.92	9.46	0.47	0.43	0.04	0.338
1968	9.65	9.27	0.38	0.35	0.03	0.311
1969	8.99	8.65	0.34	0.30	0.04	0.334
1970	8.18	7.87	0.31	0.27	0.04	0.326
1971	7.28	6.97	0.31	0.26	0.04	0.286
1972	6.86	6.57	0.28	0.23	0.05	0.331
1973	6.17	5.95	0.23	0.18	0.05	0.244
1974	6.28	6.04	0.24	0.18	0.06	0.277
1975	6.16	5.90	0.26	0.19	0.07	0.325
1976	5.58	5.32	0.25	0.17	0.09	0.401
1977	5.54	5.29	0.25	0.15	0.09	0.392
1978	5.36	5.09	0.26	0.16	0.10	0.460
1979	5.32	5.12	0.20	0.17	0.03	0.456
1980	5.66	5.39	0.27	0.17	0.11	0.494
1981	5.99	5.79	0.20	0.15	0.05	0.460
1982	6.72	6.45	0.27	0.16	0.11	0.530
1983	7.34	7.10	0.24	0.17	0.08	0.517
1984	7.26	7.03	0.23	0.17	0.06	0.410
1985	7.24	7.00	0.24	0.21	0.03	0.463
1986	7.22	6.99	0.23	0.18	0.05	0.480
1987	6.63	6.43	0.20	0.16	0.04	0.473
1988	6.02	5.81	0.21	0.14	0.07	---

**Table A.4.2**  
**Canada**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	2.76	---	---	---	---
1951	---	5.80	---	---	---	---
1952	---	7.53	---	---	---	---
1953	---	7.83	---	---	---	---
1954	---	7.13	---	---	---	---
1955	---	6.74	---	---	---	---
1956	6.24	6.15	0.09	---	---	---
1957	5.88	5.73	0.14	---	---	---
1958	5.54	5.27	0.27	---	---	---
1959	4.87	4.71	0.16	---	---	---
1960	4.46	4.27	0.19	0.12	0.07	---
1961	4.43	4.28	0.16	0.11	0.04	---
1962	4.30	4.17	0.13	0.10	0.03	0.250
1963	3.91	3.68	0.23	0.21	0.02	0.239
1964	3.84	3.56	0.27	0.24	0.04	0.227
1965	3.20	2.96	0.24	0.19	0.05	0.235
1966	3.19	2.82	0.37	0.31	0.05	0.292
1967	3.26	2.92	0.34	0.27	0.07	0.339
1968	2.89	2.63	0.26	0.21	0.05	0.352
1969	2.69	2.36	0.33	0.22	0.11	0.340
1970	2.80	2.38	0.42	0.32	0.10	0.385
1971	2.65	2.23	0.41	0.31	0.10	0.332
1972	2.57	2.11	0.46	0.32	0.14	0.358
1973	2.35	1.93	0.41	0.28	0.13	0.350
1974	2.39	1.92	0.47	0.33	0.14	0.390
1975	2.41	1.88	0.54	0.37	0.16	0.423
1976	2.30	1.85	0.45	0.27	0.18	0.499
1977	2.43	1.93	0.49	0.24	0.26	0.530
1978	2.48	1.97	0.51	0.31	0.20	0.495
1979	2.24	1.79	0.46	0.26	0.20	0.485
1980	2.10	1.69	0.41	0.25	0.16	0.451
1981	2.20	1.80	0.40	0.25	0.15	0.505
1982	2.47	2.07	0.40	0.28	0.12	0.445
1983	2.58	2.13	0.45	0.26	0.18	0.501
1984	2.63	2.15	0.48	0.30	0.17	0.450
1985	2.61	2.14	0.47	0.29	0.18	0.529
1986	2.63	2.16	0.47	0.29	0.18	0.518
1987	2.57	2.12	0.46	0.31	0.15	0.546
1988	2.53	2.04	0.48	0.33	0.16	---

**Table A.4.3**  
**United Kingdom**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	6.40	---	---	---	---
1951	---	7.85	---	---	---	---
1952	---	9.84	---	---	---	---
1953	---	9.89	---	---	---	---
1954	---	8.72	---	---	---	---
1955	---	8.18	---	---	---	---
1956	8.12	7.77	0.35	---	---	---
1957	7.55	7.17	0.38	---	---	---
1958	7.37	6.94	0.43	---	---	---
1959	7.15	6.60	0.56	---	---	---
1960	7.00	6.44	0.56	0.43	0.13	---
1961	6.82	6.22	0.59	0.54	0.05	0.323
1962	6.83	6.31	0.52	0.47	0.05	0.346
1963	6.60	6.12	0.48	0.43	0.05	0.339
1964	6.53	6.00	0.53	0.48	0.05	0.331
1965	6.32	5.84	0.48	0.43	0.05	0.333
1966	6.14	5.64	0.49	0.44	0.05	0.319
1967	6.09	5.64	0.45	0.40	0.05	0.408
1968	5.72	5.33	0.39	0.33	0.06	0.366
1969	5.31	4.92	0.38	0.32	0.07	0.390
1970	5.15	4.76	0.39	0.35	0.04	0.301
1971	5.28	4.88	0.40	0.35	0.05	0.379
1972	5.49	5.10	0.38	0.30	0.10	0.395
1973	5.09	4.76	0.33	0.24	0.09	0.345
1974	5.32	4.96	0.37	0.26	0.11	0.365
1975	5.24	4.87	0.37	0.24	0.13	0.402
1976	5.24	4.85	0.39	0.26	0.13	0.386
1977	5.12	4.68	0.44	0.22	0.22	0.461
1978	5.00	4.55	0.46	0.27	0.19	0.435
1979	5.13	4.61	0.52	0.29	0.23	0.451
1980	5.27	4.93	0.35	0.25	0.10	0.414
1981	5.25	4.79	0.45	0.27	0.18	0.431
1982	5.41	5.01	0.40	0.21	0.19	0.439
1983	5.57	5.20	0.37	0.20	0.17	0.457
1984	5.70	5.36	0.34	0.18	0.15	0.447
1985	5.51	5.17	0.34	0.19	0.15	0.488
1986	5.40	5.08	0.32	0.18	0.13	0.469
1987	4.87	4.59	0.27	0.15	0.13	0.483
1988	---	---	0.32	0.17	0.15	---



**Table A.4.4**  
**Netherlands**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	4.80	---	---	---	---
1951	---	4.95	---	---	---	---
1952	---	5.60	---	---	---	---
1953	---	5.59	---	---	---	---
1954	---	5.95	---	---	---	---
1955	---	5.71	---	---	---	---
1956	6.24	5.72	0.52	---	---	---
1957	5.50	5.25	0.25	---	---	---
1958	5.06	4.67	0.39	---	---	---
1959	4.42	3.98	0.45	---	---	---
1960	4.23	3.93	0.30	0.21	0.09	---
1961	4.77	4.33	0.43	0.24	0.20	0.352
1962	5.02	4.37	0.65	0.34	0.32	0.329
1963	4.50	4.25	0.25	0.12	0.13	0.310
1964	4.44	4.17	0.28	0.19	0.09	0.290
1965	4.16	3.81	0.35	0.24	0.11	0.279
1966	4.03	3.59	0.44	0.24	0.20	0.291
1967	4.28	3.76	0.53	0.35	0.18	0.317
1968	3.99	3.47	0.51	0.42	0.09	0.288
1969	3.93	3.44	0.48	0.36	0.12	0.319
1970	3.88	3.29	0.59	0.46	0.12	0.315
1971	3.74	3.22	0.52	0.36	0.15	0.323
1972	3.81	3.17	0.64	0.40	0.24	0.374
1973	3.55	3.03	0.51	0.37	0.15	0.376
1974	3.62	3.07	0.55	0.38	0.17	0.396
1975	3.97	3.23	0.74	0.45	0.29	0.468
1976	3.74	3.03	0.71	0.54	0.17	0.471
1977	4.06	3.31	0.75	0.53	0.22	0.514
1978	3.79	3.08	0.71	0.52	0.19	0.543
1979	4.09	3.20	0.89	0.62	0.27	0.579
1980	4.17	3.09	1.07	0.81	0.27	0.534
1981	4.26	3.20	1.06	0.80	0.26	0.559
1982	4.29	3.24	1.05	0.76	0.29	0.533
1983	4.16	3.19	0.97	0.66	0.31	0.556
1984	4.21	3.19	1.02	0.70	0.31	0.490
1985	4.00	3.10	0.90	0.61	0.30	0.571
1986	4.07	3.08	0.99	0.67	0.32	0.580
1987	4.06	3.07	0.98	0.67	0.32	0.533
1988	3.93	2.96	0.98	0.68	0.30	---

**Table A.4.5**  
**Belgium**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	---	---	---	---	---
1951	---	---	---	---	---	---
1952	---	---	---	---	---	---
1953	---	4.86	---	---	---	---
1954	---	4.88	---	---	---	---
1955	---	3.78	---	---	---	---
1956	3.76	3.56	0.21	---	---	---
1957	3.80	3.61	0.20	---	---	---
1958	3.79	3.57	0.22	---	---	---
1959	4.26	3.52	0.74	---	---	---
1960	4.34	3.44	0.90	0.73	0.17	---
1961	4.08	3.30	0.78	0.59	0.19	0.304
1962	4.07	3.53	0.55	0.51	0.04	0.291
1963	4.05	3.46	0.58	0.55	0.03	0.323
1964	3.91	3.44	0.47	0.53	-0.07	0.354
1965	3.81	3.21	0.61	0.64	-0.03	0.364
1966	3.59	3.16	0.43	0.38	0.05	0.349
1967	3.64	3.18	0.46	0.39	0.07	0.355
1968	3.59	3.16	0.43	0.34	0.09	0.345
1969	3.49	2.98	0.51	0.37	0.14	0.377
1970	3.43	2.96	0.47	0.36	0.11	0.383
1971	3.41	2.94	0.47	0.36	0.12	0.403
1972	3.48	2.92	0.55	0.37	0.18	0.394
1973	3.43	2.88	0.55	0.42	0.13	0.370
1974	3.29	2.81	0.48	0.37	0.11	0.357
1975	3.78	3.12	0.66	0.44	0.22	0.388
1976	3.64	3.17	0.48	0.32	0.16	0.386
1977	3.67	3.23	0.44	0.31	0.13	0.389
1978	3.87	3.35	0.52	0.30	0.22	0.463
1979	3.93	3.35	0.58	0.40	0.18	0.414
1980	3.88	3.38	0.50	0.42	0.13	0.486
1981	4.16	3.54	0.62	0.40	0.22	0.436
1982	4.04	3.43	0.61	0.36	0.25	0.418
1983	3.88	3.24	0.64	0.38	0.25	0.415
1984	3.63	3.07	0.56	0.33	0.23	0.401
1985	3.46	2.92	0.54	0.33	0.20	0.447
1986	3.25	2.78	0.47	0.31	0.16	0.522
1987	3.40	2.92	0.48	0.30	0.18	0.558
1988	3.13	2.74	0.39	0.27	0.11	---

**Table A.4.6**  
**France**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	5.80	---	---	---	---
1951	---	7.42	---	---	---	---
1952	---	8.85	---	---	---	---
1953	---	9.54	---	---	---	---
1954	---	7.57	---	---	---	---
1955	---	6.56	---	---	---	---
1956	8.89	7.70	1.19	---	---	---
1957	8.99	7.37	1.62	---	---	---
1958	8.57	6.80	1.78	---	---	---
1959	8.23	6.71	1.53	---	---	---
1960	7.87	6.46	1.41	1.30	0.11	---
1961	7.75	6.31	1.44	1.33	0.11	0.356
1962	7.48	6.14	1.34	1.18	0.16	0.350
1963	6.67	5.64	1.03	0.99	0.04	0.341
1964	6.33	5.41	0.92	0.90	0.02	0.332
1965	6.00	5.23	0.77	0.74	0.03	0.330
1966	5.81	5.11	0.70	0.68	0.03	0.338
1967	5.84	5.11	0.73	0.67	0.05	0.334
1968	5.63	4.92	0.70	0.67	0.03	0.331
1969	5.10	4.38	0.72	0.66	0.05	0.325
1970	4.86	4.18	0.69	0.62	0.07	0.323
1971	4.68	4.00	0.68	0.60	0.08	0.345
1972	4.55	3.87	0.68	0.58	0.10	0.356
1973	4.38	3.80	0.58	0.51	0.08	0.358
1974	4.35	3.75	0.61	0.52	0.09	0.345
1975	4.46	3.85	0.62	0.53	0.09	0.349
1976	4.42	3.81	0.61	0.53	0.09	0.385
1977	4.47	3.88	0.59	0.50	0.09	0.387
1978	4.50	3.93	0.57	0.50	0.07	0.408
1979	4.51	3.91	0.60	0.50	0.10	0.402
1980	4.62	3.99	0.64	0.53	0.11	0.415
1981	4.94	4.17	0.77	0.64	0.12	0.423
1982	4.91	4.15	0.76	0.62	0.14	0.360
1983	4.93	4.12	0.81	0.66	0.14	0.402
1984	4.81	4.05	0.76	0.64	0.12	0.370
1985	4.74	3.98	0.76	0.62	0.14	0.482
1986	4.60	3.90	0.70	0.57	0.13	0.457
1987	4.70	3.96	0.74	0.60	0.14	0.498
1988	4.51	3.78	0.72	0.59	0.13	---

**Table A.4.7**  
**Federal Republic of Germany**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	3.57	---	---	---	---
1951	---	5.93	---	---	---	---
1952	---	5.89	---	---	---	---
1953	---	4.21	---	---	---	---
1954	---	4.08	---	---	---	---
1955	---	4.09	---	---	---	---
1956	3.80	3.63	0.17	---	---	---
1957	4.34	4.14	0.20	---	---	---
1958	3.18	2.96	0.22	---	---	---
1959	4.60	4.38	0.22	---	---	---
1960	4.49	4.00	0.49	0.34	0.15	---
1961	4.72	3.97	0.75	0.40	0.35	0.299
1962	5.25	4.78	0.47	0.36	0.11	0.360
1963	5.65	5.21	0.44	0.41	0.03	0.327
1964	5.09	4.65	0.44	0.43	0.01	0.294
1965	4.75	4.34	0.41	0.38	0.03	0.277
1966	4.55	4.15	0.40	0.37	0.03	0.275
1967	4.77	4.33	0.44	0.39	0.05	0.347
1968	4.04	3.62	0.42	0.34	0.07	0.362
1969	4.01	3.61	0.39	0.31	0.08	0.365
1970	3.67	3.34	0.32	0.25	0.07	0.374
1971	3.73	3.39	0.34	0.25	0.10	0.393
1972	3.80	3.49	0.31	0.23	0.08	0.388
1973	3.80	3.48	0.32	0.23	0.09	0.392
1974	4.00	3.62	0.38	0.27	0.11	0.414
1975	4.07	3.66	0.40	0.28	0.13	0.448
1976	3.83	3.48	0.36	0.23	0.12	0.494
1977	3.69	3.36	0.33	0.20	0.13	0.487
1978	3.71	3.35	0.37	0.24	0.12	0.510
1979	3.71	3.26	0.45	0.29	0.16	0.515
1980	3.71	3.28	0.44	0.29	0.15	0.552
1981	3.84	3.38	0.46	0.33	0.14	0.482
1982	3.86	3.39	0.47	0.34	0.12	0.485
1983	3.89	3.37	0.52	0.34	0.18	0.496
1984	3.71	3.26	0.45	0.30	0.15	0.398
1985	3.67	3.20	0.47	0.32	0.15	0.459
1986	3.55	3.12	0.43	0.30	0.13	0.499
1987	3.45	3.05	0.39	0.28	0.12	0.489
1988	3.34	2.95	0.39	0.26	0.13	---

**Table A.4.8**  
**Austria**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	0.73	---	---	---	---
1951	---	0.90	---	---	---	---
1952	---	0.60	---	---	---	---
1953	---	0.54	---	---	---	---
1954	---	0.05	---	---	---	---
1955	---	0.18	---	---	---	---
1956	0.84	0.84	0.00	0.00	0.00	---
1957	1.30	1.30	0.00	0.00	0.00	---
1958	1.45	1.45	0.00	0.00	0.00	---
1959	1.36	1.36	0.00	0.00	0.00	---
1960	1.16	1.16	0.00	0.00	0.00	---
1961	1.08	1.05	0.03	0.00	0.03	---
1962	1.27	1.08	0.19	0.06	0.12	---
1963	1.29	1.26	0.03	0.00	0.02	---
1964	1.67	1.50	0.17	0.05	0.12	---
1965	1.56	1.20	0.36	0.32	0.04	---
1966	1.65	1.29	0.35	0.29	0.06	---
1967	1.63	1.28	0.35	0.29	0.07	---
1968	1.37	1.23	0.14	0.03	0.11	---
1969	1.31	1.20	0.11	0.04	0.07	---
1970	1.17	1.10	0.07	0.03	0.04	0.373
1971	1.06	0.99	0.07	0.04	0.03	0.389
1972	1.07	0.98	0.09	0.02	0.07	0.371
1973	1.09	0.94	0.15	0.03	0.12	0.334
1974	1.09	0.93	0.16	0.06	0.11	0.328
1975	1.39	1.21	0.18	0.14	0.04	0.457
1976	1.32	1.21	0.12	0.07	0.05	0.427
1977	1.40	1.20	0.21	0.16	0.04	0.371
1978	1.52	1.28	0.24	0.18	0.07	0.362
1979	1.48	1.30	0.18	0.08	0.09	0.417
1980	1.50	1.25	0.25	0.21	0.04	0.234
1981	1.57	1.24	0.33	0.24	0.09	0.216
1982	1.60	1.26	0.35	0.24	0.10	0.224
1983	1.40	1.15	0.25	0.20	0.05	0.238
1984	1.44	1.16	0.28	0.21	0.07	0.157
1985	1.62	1.24	0.38	0.27	0.11	0.273
1986	1.52	1.31	0.21	0.15	0.06	0.306
1987	1.41	1.23	0.17	0.13	0.04	0.307
1988	1.36	1.12	0.24	0.13	0.11	---

**Table A.4.9**  
**Italy**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	3.74	---	---	---	---
1951	---	4.26	---	---	---	---
1952	---	4.50	---	---	---	---
1953	---	3.75	---	---	---	---
1954	---	3.98	---	---	---	---
1955	---	3.67	---	---	---	---
1956	3.71	3.57	0.14	---	---	---
1957	3.98	3.48	0.51	---	---	---
1958	3.58	3.43	0.15	---	---	---
1959	3.43	3.33	0.10	---	---	---
1960	3.59	3.28	0.30	0.24	0.06	---
1961	3.10	2.90	0.19	0.17	0.02	0.335
1962	3.20	2.97	0.23	0.17	0.06	0.399
1963	3.30	3.10	0.20	0.21	-0.01	0.360
1964	3.16	3.07	0.08	0.10	-0.02	0.320
1965	3.24	3.10	0.14	0.09	0.05	0.240
1966	3.35	3.17	0.18	0.04	0.13	0.276
1967	3.18	2.91	0.27	0.20	0.07	0.279
1968	2.95	2.77	0.18	0.14	0.04	0.296
1969	2.67	2.53	0.14	0.12	0.03	0.270
1970	2.63	2.48	0.15	0.06	0.08	0.339
1971	2.87	2.70	0.17	0.13	0.04	0.327
1972	2.96	2.88	0.08	0.04	0.04	0.353
1973	2.79	2.67	0.13	0.08	0.05	0.352
1974	2.71	2.58	0.13	0.00	0.13	0.455
1975	2.57	2.48	0.10	0.03	0.07	0.448
1976	2.42	2.30	0.12	0.04	0.08	0.464
1977	2.48	2.38	0.09	0.02	0.08	0.541
1978	2.53	2.39	0.14	0.01	0.13	0.594
1979	2.48	2.39	0.08	0.01	0.08	0.595
1980	2.37	2.20	0.17	0.02	0.15	0.643
1981	2.29	2.11	0.18	0.05	0.13	0.509
1982	2.45	2.26	0.19	0.07	0.12	0.515
1983	2.50	2.28	0.22	0.12	0.10	0.510
1984	2.56	2.28	0.28	0.15	0.12	0.382
1985	2.57	2.31	0.26	0.19	0.08	0.462
1986	2.67	2.27	0.40	0.25	0.15	0.513
1987	2.78	2.43	0.35	0.25	0.10	0.460
1988	2.70	2.31	0.38	0.29	0.09	---

**Table A.4.10**  
**Finland**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	1.83	---	---	---	
1951	---	1.91	---	---	---	
1952	---	1.31	---	---	---	
1953	---	1.50	---	---	---	
1954	---	1.38	---	---	---	
1955	---	1.63	---	---	---	
1956	1.54	1.54	0.00	0.00	0.00	
1957	1.53	1.53	0.00	0.00	0.00	
1958	1.59	1.59	0.00	0.00	0.00	
1959	1.75	1.75	0.00	0.00	0.00	
1960	1.69	1.69	0.00	0.00	0.00	---
1961	1.82	1.78	0.03	---	---	---
1962	2.48	2.44	0.04	---	---	---
1963	1.84	1.79	0.04	---	---	---
1964	1.77	1.73	0.03	---	---	---
1965	1.70	1.67	0.02	---	---	---
1966	1.64	1.60	0.04	---	---	---
1967	1.55	1.50	0.05	---	---	---
1968	1.69	1.64	0.05	---	---	---
1969	1.48	1.34	0.14	---	---	---
1970	1.37	1.31	0.06	0.01	0.05	0.441
1971	1.49	1.38	0.11	0.03	0.08	0.439
1972	1.59	1.44	0.15	0.05	0.09	0.397
1973	1.49	1.34	0.15	0.07	0.08	0.434
1974	1.28	1.13	0.15	0.06	0.09	0.409
1975	1.57	1.39	0.18	0.10	0.08	0.461
1976	1.60	1.44	0.16	0.09	0.07	0.480
1977	1.51	1.36	0.15	0.08	0.07	0.511
1978	1.54	1.39	0.15	0.06	0.09	0.586
1979	1.64	1.44	0.20	0.09	0.11	0.609
1980	1.71	1.49	0.22	0.13	0.09	0.582
1981	1.77	1.50	0.27	0.16	0.11	0.587
1982	2.01	1.69	0.31	0.19	0.13	0.568
1983	2.39	2.07	0.32	0.20	0.13	0.603
1984	2.34	1.99	0.35	0.21	0.14	0.544
1985	2.35	1.96	0.39	0.24	0.15	0.637
1986	2.48	2.04	0.44	0.27	0.18	0.580
1987	2.43	1.95	0.49	0.30	0.19	0.504
1988	2.50	1.92	0.58	0.36	0.22	---

**Table A.4.11**  
**Sweden**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	3.55	---	---	---	---
1951	---	3.64	---	---	---	---
1952	---	4.14	---	---	---	---
1953	---	4.56	---	---	---	---
1954	---	4.54	---	---	---	---
1955	---	4.45	---	---	---	---
1956	4.35	4.32	0.03	---	---	---
1957	4.44	4.34	0.11	---	---	---
1958	4.38	4.35	0.03	---	---	---
1959	4.40	4.26	0.14	---	---	---
1960	4.06	4.02	0.05	0.01	0.04	---
1961	4.01	3.96	0.06	0.01	0.05	---
1962	4.22	4.11	0.11	0.02	0.09	0.597
1963	4.33	4.20	0.13	0.04	0.09	0.571
1964	4.22	4.10	0.12	0.04	0.08	0.597
1965	4.32	4.14	0.18	0.08	0.10	0.542
1966	4.33	4.09	0.24	0.10	0.14	0.527
1967	4.07	3.83	0.23	0.10	0.13	0.583
1968	3.95	3.68	0.26	0.15	0.11	0.553
1969	4.08	3.67	0.41	0.19	0.22	0.566
1970	3.92	3.57	0.35	0.19	0.16	0.574
1971	4.02	3.61	0.42	0.18	0.24	0.553
1972	4.05	3.59	0.46	0.25	0.21	0.532
1973	4.01	3.45	0.56	0.31	0.25	0.543
1974	4.02	3.38	0.64	0.37	0.27	0.622
1975	4.08	3.25	0.83	0.54	0.28	0.515
1976	3.90	3.17	0.74	0.46	0.17	0.558
1977	4.24	3.26	0.98	0.61	0.32	0.585
1978	4.08	3.26	0.82	0.49	0.32	0.608
1979	4.10	3.21	0.89	0.58	0.30	0.603
1980	3.86	3.06	0.80	0.60	0.21	0.558
1981	4.21	3.32	0.89	0.59	0.31	0.597
1982	4.40	3.25	1.15	0.68	0.47	0.597
1983	3.64	2.78	0.86	0.60	0.26	0.602
1984	3.47	2.69	0.78	0.55	0.23	0.562
1985	3.45	2.61	0.84	0.58	0.26	0.563
1986	3.37	2.54	0.83	0.59	0.24	0.546
1987	3.41	2.55	0.85	0.56	0.30	0.592
1988	3.28	2.43	0.84	0.58	0.26	---



**Table A.4.12**  
**Norway**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	2.37	---	---	---	---
1951	---	3.05	---	---	---	---
1952	---	4.02	---	---	---	---
1953	---	5.10	---	---	---	---
1954	---	5.03	---	---	---	---
1955	---	3.95	---	---	---	---
1956	3.75	3.54	0.21	---	---	---
1957	3.48	3.30	0.18	---	---	---
1958	3.21	3.21	0.00	---	---	---
1959	3.34	3.26	0.08	---	---	---
1960	3.40	3.20	0.20	0.02	0.18	---
1961	3.43	3.27	0.16	0.02	0.14	0.530
1962	3.66	3.53	0.13	0.02	0.11	0.530
1963	3.68	3.51	0.17	0.04	0.13	0.526
1964	3.58	3.43	0.15	0.04	0.11	0.523
1965	3.91	3.75	0.16	0.05	0.11	0.519
1966	3.75	3.57	0.18	0.07	0.12	0.530
1967	3.69	3.51	0.17	0.05	0.12	0.317
1968	3.91	3.61	0.30	0.11	0.19	0.531
1969	3.91	3.60	0.30	0.14	0.17	0.506
1970	3.80	3.47	0.33	0.13	0.20	0.584
1971	3.71	3.39	0.32	0.14	0.18	0.553
1972	3.72	3.29	0.43	0.21	0.22	0.587
1973	3.58	3.13	0.44	0.21	0.24	0.586
1974	3.56	3.04	0.53	0.29	0.23	0.568
1975	3.90	3.21	0.69	0.38	0.31	0.591
1976	3.79	3.12	0.66	0.32	0.34	0.569
1977	3.89	3.10	0.79	0.44	0.35	0.639
1978	4.05	3.22	0.84	0.45	0.38	0.617
1979	3.97	3.08	0.89	0.51	0.37	0.619
1980	3.78	2.89	0.88	0.52	0.37	0.610
1981	3.72	2.89	0.83	0.46	0.37	0.624
1982	4.10	3.01	1.08	0.63	0.45	0.591
1983	4.21	3.08	1.13	0.64	0.49	0.587
1984	3.77	2.80	0.97	0.55	0.43	0.616
1985	4.07	3.08	0.99	0.56	0.42	0.695
1986	4.21	3.07	1.14	0.69	0.46	0.689
1987	4.42	3.36	1.07	0.63	0.44	0.654
1988	4.36	3.26	1.10	0.64	0.46	---

**Table A.4.13**  
**Denmark**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	1.66	---	---	---	---
1951	---	2.05	---	---	---	---
1952	---	2.74	---	---	---	---
1953	---	3.38	---	---	---	---
1954	---	3.22	---	---	---	---
1955	---	3.20	---	---	---	---
1956	3.11	3.05	0.07	---	---	---
1957	3.14	3.10	0.04	---	---	---
1958	3.00	2.90	0.10	---	---	---
1959	2.86	2.61	0.26	---	---	---
1960	2.80	2.70	0.09	0.01	0.06	---
1961	2.71	2.58	0.12	0.03	0.09	0.378
1962	3.12	3.01	0.10	0.01	0.02	0.483
1963	3.12	3.01	0.11	0.01	0.10	0.446
1964	2.93	2.82	0.11	0.02	0.09	0.408
1965	2.93	2.81	0.13	0.05	0.08	0.391
1966	2.88	2.69	0.19	0.09	0.10	0.321
1967	2.86	2.65	0.21	0.10	0.11	0.443
1968	2.97	2.75	0.23	0.12	0.11	0.442
1969	2.84	2.46	0.38	0.22	0.16	0.430
1970	2.70	2.32	0.37	0.24	0.14	0.461
1971	2.84	2.44	0.40	0.20	0.20	0.472
1972	2.68	2.25	0.43	0.21	0.23	0.444
1973	2.52	2.04	0.48	0.26	0.22	0.423
1974	2.78	2.29	0.49	0.27	0.22	0.465
1975	3.03	2.44	0.59	0.32	0.27	0.540
1976	2.76	2.26	0.49	0.27	0.22	0.557
1977	2.80	2.27	0.53	0.30	0.23	0.534
1978	2.96	2.33	0.63	0.36	0.28	0.590
1979	3.02	2.30	0.71	0.40	0.31	0.660
1980	3.18	2.41	0.77	0.43	0.35	0.586
1981	3.25	2.53	0.72	0.36	0.36	0.561
1982	3.24	2.50	0.75	0.39	0.36	0.569
1983	3.21	2.45	0.76	0.45	0.30	0.556
1984	3.15	2.32	0.83	0.41	0.42	0.452
1985	2.93	2.17	0.76	0.39	0.36	0.614
1986	2.90	2.06	0.84	0.44	0.40	0.639
1987	2.96	2.12	0.84	0.45	0.39	0.573
1988	3.03	2.17	0.86	0.44	0.41	---

**Table A.4.14**  
**Japan**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	---	---	---	---	---
1951	---	2.13	---	---	---	---
1952	---	2.11	---	---	---	---
1953	---	2.25	---	---	---	---
1954	---	2.08	---	---	---	---
1955	---	1.77	---	---	---	---
1956	1.93	1.58	0.36	---	---	---
1957	1.67	1.37	0.30	---	---	---
1958	2.26	1.36	0.90	---	---	---
1959	1.67	1.24	0.43	---	---	---
1960	1.28	1.03	0.25	0.18	0.07	---
1961	1.10	0.91	0.19	0.18	0.02	0.224
1962	1.23	0.96	0.27	0.26	0.01	0.210
1963	1.19	0.95	0.24	0.23	0.02	0.215
1964	1.13	0.92	0.21	0.20	0.01	0.220
1965	1.18	0.92	0.27	0.25	0.02	0.186
1966	1.15	0.89	0.27	0.22	0.05	0.237
1967	1.15	0.84	0.31	0.28	0.04	0.237
1968	1.04	0.80	0.24	0.21	0.03	0.280
1969	1.03	0.78	0.25	0.20	0.06	0.264
1970	1.00	0.78	0.22	0.18	0.04	0.260
1971	1.04	0.83	0.22	0.18	0.03	0.256
1972	1.05	0.85	0.20	0.16	0.04	0.245
1973	1.06	0.82	0.24	0.18	0.06	0.265
1974	1.12	0.87	0.25	0.19	0.05	0.265
1975	1.14	0.92	0.23	0.17	0.06	0.342
1976	1.10	0.90	0.20	0.13	0.06	0.344
1977	1.11	0.90	0.21	0.13	0.08	0.332
1978	1.15	0.92	0.23	0.16	0.07	0.390
1979	1.19	0.92	0.27	0.20	0.07	0.411
1980	1.24	0.92	0.32	0.19	0.13	0.397
1981	1.22	0.95	0.28	0.20	0.08	0.414
1982	1.23	0.96	0.27	0.21	0.06	0.425
1983	1.29	0.97	0.32	0.21	0.11	0.459
1984	1.32	0.98	0.34	0.19	0.15	0.343
1985	1.28	0.99	0.29	0.19	0.09	0.410
1986	1.29	1.00	0.29	0.20	0.09	0.431
1987	1.32	1.01	0.31	0.22	0.09	0.393
1988	1.32	1.00	0.32	0.23	0.10	---

**Table A.4.15**  
**Australia**  
**Military and Foreign Aid Spending (as % GDP); Quality of Foreign Aid**

Year	Total: Military & Foreign Aid	Military	Total Foreign Aid	Bilateral	Multi- lateral	Foreign Aid Quality Index
1950	---	2.99	---	---	---	---
1951	---	3.90	---	---	---	---
1952	---	5.06	---	---	---	---
1953	---	4.53	---	---	---	---
1954	---	3.80	---	---	---	---
1955	---	3.77	---	---	---	---
1956	3.58	3.58	0.00	0.00	0.00	---
1957	3.13	3.13	0.00	0.00	0.00	---
1958	3.04	3.04	0.00	0.00	0.00	---
1959	2.94	2.94	0.00	0.00	0.00	---
1960	2.75	2.57	0.18	---	---	---
1961	2.82	2.61	0.21	---	---	---
1962	2.78	2.58	0.20	---	---	---
1963	2.88	2.64	0.24	---	---	---
1964	3.09	2.86	0.23	---	---	0.380
1965	3.52	3.26	0.26	0.24	0.02	0.380
1966	4.01	3.52	0.50	0.45	0.05	0.380
1967	4.34	3.76	0.57	0.52	0.05	0.382
1968	4.24	3.72	0.52	0.47	0.05	0.380
1969	4.00	3.49	0.51	0.46	0.05	0.455
1970	3.78	3.24	0.54	0.51	0.03	0.458
1971	3.27	2.82	0.45	0.43	0.02	0.472
1972	3.06	2.57	0.49	0.46	0.02	0.458
1973	2.80	2.42	0.37	0.34	0.03	0.382
1974	3.04	2.51	0.52	0.47	0.11	0.405
1975	3.09	2.53	0.55	0.48	0.08	0.427
1976	2.94	2.52	0.42	0.35	0.07	0.506
1977	3.00	2.61	0.39	0.34	0.05	0.449
1978	2.97	2.47	0.50	0.36	0.14	0.533
1979	2.89	2.40	0.49	0.37	0.13	0.512
1980	2.85	2.42	0.43	0.31	0.12	0.502
1981	3.04	2.65	0.39	0.33	0.06	0.516
1982	3.34	2.81	0.53	0.34	0.19	0.559
1983	3.11	2.75	0.36	0.26	0.11	0.541
1984	3.23	2.81	0.42	0.33	0.09	0.470
1985	3.33	2.88	0.45	0.32	0.13	0.542
1986	3.31	2.88	0.43	0.29	0.14	0.514
1987	2.78	2.48	0.30	0.26	0.04	0.514
1988	2.66	2.24	0.42	0.24	0.18	---

**Table A.5.1**  
**United States**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	7.72	2.29	5.42	16.93	8.99	7.94	108.0
1961	7.86	2.28	5.59	17.81	9.50	8.31	108.7
1962	7.98	2.53	5.45	17.96	9.70	8.26	108.0
1963	8.15	2.38	5.77	17.77	9.44	8.33	107.3
1964	8.35	2.33	6.02	17.52	9.05	8.48	106.8
1965	8.63	2.28	6.35	17.09	8.76	8.33	105.2
1966	9.08	2.61	6.47	18.12	9.37	8.75	105.6
1967	9.44	2.82	6.62	19.36	10.19	9.17	106.7
1968	9.65	2.85	6.79	19.23	9.97	9.25	107.3
1969	9.77	2.77	7.00	18.90	9.38	9.53	107.3
1970	9.88	2.49	7.39	19.22	9.01	10.21	109.3
1971	9.96	2.09	7.87	18.51	8.47	10.04	109.2
1972	10.11	1.81	8.30	18.44	7.92	10.52	112.8
1973	10.23	1.68	8.55	17.78	7.43	10.35	110.5
1974	10.37	1.59	8.78	18.49	8.07	10.42	107.9
1975	10.57	1.53	9.04	19.10	8.41	10.70	106.7
1976	10.52	1.48	9.04	18.73	8.03	10.70	105.7
1977	10.52	1.45	9.07	18.23	7.85	10.38	104.7
1978	10.73	1.42	9.31	17.73	7.70	10.03	102.2
1979	10.74	1.36	9.38	17.63	7.81	9.81	99.9
1980	10.77	1.36	9.42	18.34	8.37	9.97	99.4
1981	10.51	1.34	9.16	18.23	8.41	9.81	101.5
1982	10.27	1.37	8.90	19.21	8.91	10.29	104.5
1983	10.19	1.37	8.82	18.92	8.65	10.27	105.9
1984	10.19	1.36	8.83	18.00	8.45	9.56	107.0
1985	10.32	1.35	8.97	18.39	9.00	9.39	108.4
1986	10.40	1.34	9.07	18.60	9.14	9.47	108.5
1987	10.52	1.34	9.18	18.60	9.10	9.50	108.9
1988	10.67	1.33	9.34	18.34	8.77	9.58	108.9

**Table A.5.2**  
**Canada**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	---	1.14	---	13.58	5.13	8.46	---
1961	---	1.13	---	15.42	4.98	10.44	---
1962	---	1.14	---	15.16	4.70	10.46	---
1963	---	1.12	---	14.94	4.43	10.51	---
1964	---	1.06	---	14.87	4.38	10.50	---
1965	---	1.04	---	14.86	4.35	10.51	---
1966	10.21	0.90	9.31	15.52	4.67	10.85	101.1
1967	10.45	0.84	9.61	16.54	4.95	11.59	104.2
1968	10.85	0.81	10.04	17.25	5.19	12.07	106.2
1969	11.23	0.77	10.47	17.65	4.94	12.71	107.0
1970	11.47	0.71	10.76	19.19	5.87	13.31	110.7
1971	11.99	0.63	11.36	19.22	5.86	13.36	106.5
1972	12.07	0.62	11.45	19.10	5.57	13.53	108.3
1973	12.22	0.59	11.63	18.46	5.52	12.94	107.9
1974	12.40	0.58	11.82	18.62	5.68	12.94	108.0
1975	13.05	0.52	12.52	19.97	6.28	13.70	103.6
1976	12.90	0.52	12.39	19.71	5.87	13.84	107.1
1977	13.14	0.51	12.63	20.28	6.33	13.95	104.4
1978	13.04	0.51	12.53	20.14	6.31	13.83	107.3
1979	12.70	0.50	12.19	19.33	6.10	13.23	111.3
1980	12.81	0.48	12.32	19.52	6.43	13.08	109.9
1981	13.04	0.48	12.56	19.78	6.56	13.23	109.4
1982	13.12	0.50	12.62	21.05	7.02	14.03	110.7
1983	13.42	0.49	12.92	21.03	7.03	14.00	110.0
1984	13.39	0.49	12.90	20.30	6.78	13.52	109.1
1985	13.62	0.49	13.14	20.21	7.09	13.12	105.1
1986	13.78	0.48	13.30	19.96	6.96	12.99	105.1
1987	14.06	0.49	13.58	19.49	6.65	12.84	101.7
1988	14.15	0.48	13.67	18.80	6.59	12.21	99.4

**Table A.5.3**  
**United Kingdom**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	11.68	1.83	9.85	16.43	7.29	9.14	---
1961	10.69	1.39	9.30	16.61	7.53	9.08	93.7
1962	10.75	1.20	9.55	16.99	7.67	9.32	94.4
1963	10.89	1.21	9.68	16.84	7.40	9.43	95.1
1964	11.10	1.21	9.89	16.42	7.16	9.26	92.8
1965	11.33	1.26	10.08	16.76	7.26	9.50	93.7
1966	11.69	1.25	10.44	17.11	7.57	9.54	90.3
1967	12.14	1.22	10.92	17.89	8.20	9.70	87.6
1968	12.42	1.22	11.20	17.52	7.89	9.63	85.4
1969	12.55	1.15	11.40	17.11	7.33	9.79	85.6
1970	12.84	1.12	11.72	17.57	7.09	10.48	87.6
1971	13.18	1.09	12.09	17.84	6.87	10.98	90.0
1972	13.62	1.06	12.56	18.37	6.77	11.61	90.9
1973	14.00	1.03	12.97	18.22	6.77	11.46	87.8
1974	14.01	1.01	13.00	19.93	7.34	12.58	93.5
1975	14.83	0.98	13.85	21.81	7.83	13.98	94.2
1976	15.06	0.97	14.08	21.38	8.01	13.37	91.4
1977	14.88	0.95	13.93	20.26	7.69	12.57	89.6
1978	14.86	0.88	13.98	19.93	7.77	12.16	87.6
1979	15.01	0.90	14.11	19.82	7.96	11.86	84.4
1980	14.83	0.91	13.91	21.30	8.49	12.80	90.5
1981	14.65	0.95	13.70	21.86	8.62	13.24	91.6
1982	14.43	0.90	13.53	21.82	8.90	12.91	90.6
1983	14.39	0.87	13.52	21.97	8.94	13.03	91.2
1984	14.28	0.88	13.41	21.91	8.96	12.95	91.4
1985	14.31	0.88	13.43	21.12	8.63	12.49	89.3
1986	14.34	0.87	13.47	21.26	8.72	12.54	87.7
1987	14.38	0.85	13.53	20.60	8.31	12.29	89.4
1988	14.44	0.85	13.59	19.68	7.83	11.85	89.4

**Table A.5.4**  
**Netherlands**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	6.99	2.15	4.84	12.84	---	---	---
1961	6.98	1.99	4.99	13.35	---	---	---
1962	6.94	1.94	5.01	13.89	---	---	---
1963	6.87	1.90	4.97	14.68	---	---	---
1964	6.80	1.64	5.16	14.85	---	---	---
1965	6.75	1.77	4.98	14.80	---	---	---
1966	6.81	1.67	5.14	15.16	---	---	---
1967	6.84	1.66	5.18	15.52	---	---	---
1968	6.85	1.62	5.23	15.17	---	---	---
1969	6.94	1.54	5.39	15.27	---	---	---
1970	7.04	1.49	5.55	15.60	4.40	11.20	149.0
1971	7.14	1.41	5.73	15.97	4.49	11.48	149.5
1972	7.26	1.46	5.80	15.93	4.08	11.85	150.1
1973	7.21	1.32	5.89	15.60	3.76	11.85	145.9
1974	7.26	1.32	5.94	16.29	3.97	12.32	145.6
1975	7.30	1.29	6.01	17.43	4.39	13.04	147.4
1976	7.43	1.27	6.16	17.24	4.41	12.83	145.4
1977	7.53	1.23	6.30	17.40	4.43	12.97	143.7
1978	7.59	1.22	6.37	17.71	4.64	13.07	142.9
1979	7.62	1.20	6.42	18.09	4.91	13.19	141.7
1980	7.62	1.18	6.44	17.90	4.90	12.99	138.3
1981	7.67	1.08	6.59	17.78	5.11	12.67	133.0
1982	7.65	1.07	6.58	17.70	5.08	12.62	128.8
1983	7.56	1.05	6.50	17.71	5.30	12.41	124.9
1984	7.44	1.00	6.43	16.59	5.07	11.51	123.2
1985	7.42	1.01	6.40	16.22	5.05	11.17	121.3
1986	7.41	1.01	6.40	15.89	4.95	10.93	119.4
1987	7.38	1.02	6.36	16.16	5.13	11.03	119.3
1988	7.30	0.99	6.31	15.72	5.03	10.69	118.0



**Table A.5.5**  
**Belgium**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	6.90	1.86	5.04	12.44	---	---	---
1961	6.95	1.87	5.08	11.93	---	---	---
1962	7.24	1.87	5.37	12.29	---	---	---
1963	7.40	1.84	5.56	13.00	---	---	---
1964	7.54	1.84	5.70	12.52	---	---	---
1965	7.68	1.78	5.90	12.80	---	---	---
1966	7.87	1.77	6.10	13.13	---	---	---
1967	8.03	1.69	6.34	13.48	---	---	---
1968	8.10	1.64	6.46	13.60	---	---	---
1969	8.17	1.68	6.49	13.62	---	---	---
1970	8.28	1.56	6.72	13.42	3.84	9.58	123.9
1971	8.42	1.58	6.84	14.09	4.15	9.94	122.9
1972	8.61	1.47	7.14	14.51	4.03	10.49	123.6
1973	8.74	1.45	7.29	14.54	3.87	10.67	123.0
1974	8.89	1.44	7.45	14.70	3.84	10.86	121.5
1975	9.32	1.39	7.93	16.45	4.45	12.00	120.3
1976	9.58	1.40	8.18	16.46	4.40	12.06	113.0
1977	9.71	1.34	8.37	16.84	4.61	12.24	109.7
1978	10.12	1.36	8.76	17.46	4.88	12.57	107.7
1979	10.62	1.34	9.27	17.64	4.85	12.79	103.1
1980	10.84	1.36	9.48	17.95	4.81	13.15	102.5
1981	10.93	1.38	9.55	18.85	4.99	13.86	102.5
1982	10.92	1.43	9.49	18.39	4.77	13.62	100.2
1983	10.73	1.44	9.29	17.21	4.60	12.62	97.8
1984	10.79	1.37	9.43	17.67	4.68	12.99	93.4
1985	10.96	1.38	9.58	17.60	4.75	12.85	93.2
1986	11.23	1.37	9.85	17.12	4.57	12.54	89.7
1987	10.89	1.36	9.53	16.74	4.73	12.01	90.2
1988	11.07	1.33	9.74	15.79	4.45	11.34	87.2

**Table A.5.6**  
**France**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	---	3.62	---	13.00	---	---	---
1961	---	2.52	---	13.14	---	---	---
1962	---	2.42	---	13.28	---	---	---
1963	10.53	2.12	8.41	13.43	3.75	9.68	105.9
1964	10.69	2.04	8.65	13.28	3.78	9.50	102.9
1965	10.84	1.79	9.04	13.13	3.83	9.30	99.0
1966	10.96	1.75	9.21	12.99	3.80	9.19	97.7
1967	11.05	1.69	9.37	12.96	3.80	9.16	96.8
1968	11.22	1.63	9.59	13.52	3.80	9.72	98.9
1969	11.45	1.61	9.84	13.35	3.65	9.70	98.5
1970	11.65	1.60	10.05	13.44	3.60	9.84	98.7
1971	11.81	1.57	10.24	13.45	3.51	9.94	99.1
1972	11.96	1.55	10.41	13.16	3.36	9.80	98.9
1973	12.09	1.55	10.55	13.17	3.44	9.73	97.6
1974	12.17	1.53	10.63	13.60	3.44	10.17	98.6
1975	12.30	1.52	10.78	14.40	3.56	10.84	100.0
1976	12.49	1.54	10.94	14.60	3.56	11.04	101.2
1977	12.60	1.50	11.10	14.74	3.43	11.30	103.1
1978	12.79	1.46	11.32	14.96	3.51	11.45	104.5
1979	12.81	1.47	11.33	14.88	3.48	11.40	104.1
1980	12.74	1.44	11.30	15.20	3.64	11.56	104.1
1981	12.82	1.42	11.40	15.81	3.89	11.92	103.3
1982	12.97	1.37	11.60	16.17	3.99	12.17	104.0
1983	13.11	1.34	11.77	16.26	4.03	12.23	102.6
1984	13.16	1.31	11.86	19.59	4.84	14.74	102.1
1985	13.42	1.28	12.14	19.41	4.75	14.67	99.2
1986	13.56	1.26	12.30	19.17	4.57	14.61	99.6
1987	13.52	1.21	12.31	19.06	4.77	14.29	98.5
1988	13.48	1.20	12.28	18.55	4.86	13.70	97.9

**Table A.5.7**  
**Federal Republic of Germany**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	5.57	0.82	4.74	13.36	6.60	6.76	141.2
1961	5.90	0.87	5.03	13.80	6.75	7.05	138.5
1962	6.19	0.93	5.26	14.64	7.56	7.08	130.5
1963	6.42	1.06	5.36	15.53	8.11	7.42	131.4
1964	6.65	1.11	5.54	14.78	7.39	7.39	127.3
1965	6.85	1.14	5.71	15.17	7.48	7.69	128.2
1966	7.05	1.15	5.90	15.45	7.38	8.07	129.6
1967	7.28	1.21	6.07	16.19	7.74	8.46	129.9
1968	7.38	1.20	6.18	15.51	7.17	8.35	128.9
1969	7.48	1.22	6.26	15.60	7.15	8.45	131.2
1970	7.71	1.21	6.51	15.77	7.00	8.77	126.9
1971	7.97	1.20	6.77	16.90	7.47	9.43	131.1
1972	8.31	1.19	7.12	17.13	7.48	9.65	128.5
1973	8.52	1.20	7.32	17.79	7.69	10.10	130.2
1974	8.81	1.23	7.58	19.32	8.38	10.93	131.9
1975	9.03	1.25	7.78	20.51	9.08	11.43	130.9
1976	9.18	1.25	7.93	19.85	8.80	11.05	125.6
1977	9.21	1.23	7.98	19.62	8.62	11.00	125.2
1978	9.38	1.20	8.18	19.65	8.73	10.92	123.5
1979	9.54	1.19	8.36	19.64	8.82	10.82	122.0
1980	9.56	1.17	8.39	20.11	9.13	10.98	121.7
1981	9.58	1.15	8.43	20.58	9.39	11.19	122.0
1982	9.52	1.14	8.38	20.33	9.23	11.10	120.2
1983	9.50	1.13	8.37	20.04	9.10	10.94	118.6
1984	9.47	1.12	8.35	19.95	9.28	10.66	116.1
1985	9.57	1.12	8.45	19.96	9.36	10.59	115.4
1986	9.65	1.14	8.52	19.71	9.23	10.48	115.7
1987	9.75	1.11	8.63	19.77	9.24	10.53	115.2
1988	9.70	1.11	8.60	19.50	9.22	10.28	114.6

**Table A.5.8**  
**Austria**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	7.26	0.76	6.51	12.80	3.84	8.96	146.1
1961	7.46	0.82	6.63	12.54	3.74	8.79	139.7
1962	7.65	0.82	6.83	12.81	3.87	8.95	135.2
1963	7.75	0.87	6.88	13.28	4.20	9.08	135.3
1964	7.94	0.91	7.03	13.32	4.23	9.09	132.1
1965	8.03	0.91	7.12	13.37	4.10	9.26	132.6
1966	8.22	0.95	7.26	13.66	4.20	9.46	131.1
1967	8.43	1.02	7.42	14.56	4.52	10.03	131.9
1968	8.69	1.09	7.61	14.75	4.55	10.20	131.1
1969	8.94	1.09	7.85	15.07	4.62	10.45	132.5
1970	9.13	1.09	8.04	14.69	4.52	10.17	130.9
1971	9.52	1.05	8.48	14.77	4.57	10.20	123.0
1972	9.84	0.93	8.91	14.62	4.60	10.02	118.9
1973	10.25	1.11	9.13	15.07	4.73	10.34	117.2
1974	10.67	0.79	9.88	15.75	5.22	10.53	112.5
1975	11.19	0.81	10.38	17.23	5.72	11.51	110.4
1976	11.56	0.79	10.76	17.63	5.88	11.75	110.5
1977	11.92	0.79	11.13	17.43	5.84	11.59	104.9
1978	12.10	0.78	11.33	18.30	5.97	12.33	106.6
1979	12.23	0.79	11.44	18.07	5.90	12.17	106.3
1980	12.30	1.04	11.26	17.97	5.94	12.03	103.6
1981	12.44	1.02	11.41	18.48	6.03	12.45	103.0
1982	12.58	0.99	11.59	18.83	6.22	12.61	103.6
1983	12.68	1.00	11.69	18.74	6.13	12.62	102.7
1984	12.80	0.99	11.81	18.59	6.01	12.59	100.9
1985	12.92	1.07	11.85	18.83	6.15	12.68	100.7
1986	13.06	1.07	11.99	19.02	6.17	12.86	101.9
1987	13.12	1.07	12.05	18.97	6.02	12.95	102.9
1988	13.15	1.07	12.09	18.40	6.04	12.36	100.2

**Table A.5.9**  
**Italy**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	5.53	0.97	4.56	12.17	3.56	8.61	158.7
1961	5.70	1.41	4.28	11.26	3.20	8.06	158.1
1962	5.86	1.40	4.46	11.65	3.32	8.33	154.3
1963	6.03	1.42	4.61	12.41	3.43	8.98	153.5
1964	6.07	1.41	4.66	12.81	3.57	9.25	151.5
1965	6.16	1.14	5.01	13.54	3.55	9.99	163.8
1966	6.25	1.09	5.16	14.86	3.79	11.07	158.9
1967	6.34	1.20	5.13	14.40	3.66	10.74	152.5
1968	6.50	1.05	5.45	14.48	3.69	10.79	149.1
1969	6.72	1.21	5.52	14.22	3.60	10.62	144.6
1970	6.74	1.18	5.56	13.78	3.37	10.41	134.2
1971	7.12	1.18	5.94	15.48	3.88	11.60	138.7
1972	7.33	1.21	6.12	16.08	4.07	12.01	137.8
1973	7.60	1.20	6.39	15.50	3.79	11.71	129.0
1974	7.76	1.18	6.58	15.10	3.83	11.26	119.5
1975	7.92	1.17	6.75	15.44	4.08	11.37	108.0
1976	8.14	0.97	7.17	14.77	3.74	11.02	103.7
1977	8.36	0.91	7.46	15.25	3.79	11.47	105.1
1978	8.42	0.98	7.44	15.86	3.94	11.92	108.8
1979	8.54	0.99	7.55	16.24	4.11	12.13	110.4
1980	8.60	0.99	7.62	16.42	4.11	12.31	115.7
1981	8.73	0.98	7.75	15.66	3.81	11.85	123.5
1982	8.72	0.98	7.74	16.09	4.07	12.02	121.6
1983	8.66	0.97	7.69	16.53	4.32	12.20	121.7
1984	8.69	0.96	7.73	16.28	4.36	11.92	121.0
1985	8.75	0.98	7.77	16.36	4.62	11.74	119.5
1986	8.81	0.98	7.82	16.15	4.51	11.63	121.7
1987	8.97	0.99	7.98	16.88	4.81	12.08	123.9
1988	9.02	0.97	8.05	17.17	4.87	12.29	125.7

**Table A.5.10**  
**Finland**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	5.95	1.41	4.53	12.21	5.59	6.62	128.0
1961	6.18	1.61	4.58	12.23	5.53	6.70	126.7
1962	6.29	1.55	4.74	13.06	6.10	6.96	124.4
1963	6.48	1.52	4.96	13.40	6.27	7.14	124.6
1964	6.69	1.47	5.22	13.49	6.00	7.49	122.6
1965	6.80	1.18	5.61	13.66	6.01	7.64	123.0
1966	7.16	1.44	5.72	14.31	6.17	8.14	122.4
1967	7.22	1.39	5.83	14.87	6.33	8.54	126.8
1968	7.70	1.18	6.52	15.27	6.51	8.76	124.8
1969	8.09	1.18	6.91	14.48	5.94	8.54	122.3
1970	8.42	1.31	7.11	14.46	6.10	8.36	116.4
1971	8.69	1.29	7.41	15.16	6.56	8.60	108.6
1972	8.99	1.27	7.72	15.28	6.73	8.55	104.6
1973	9.42	1.26	8.16	14.99	6.61	8.37	98.9
1974	9.90	1.13	8.76	15.20	6.88	8.32	93.5
1975	10.33	1.14	9.19	17.07	7.71	9.35	93.1
1976	10.95	1.12	9.83	18.09	8.04	10.06	90.1
1977	11.31	1.25	10.06	18.47	8.31	10.16	79.3
1978	11.71	1.24	10.47	18.34	8.32	10.02	78.0
1979	12.06	1.24	10.83	17.89	7.95	9.94	86.5
1980	12.40	1.23	11.17	18.12	8.24	9.89	84.2
1981	12.87	1.23	11.65	18.69	8.43	10.27	82.8
1982	13.20	1.12	12.08	19.03	8.52	10.51	83.7
1983	13.53	1.22	12.31	19.35	8.63	10.72	84.6
1984	13.71	1.10	12.61	19.30	8.58	10.72	84.3
1985	14.01	1.09	12.91	20.25	9.29	10.96	82.1
1986	14.24	1.04	13.19	20.75	9.41	11.34	82.1
1987	14.61	1.03	13.59	20.69	9.28	11.41	81.9
1988	15.03	1.05	13.98	20.18	8.84	11.34	80.7

**Table A.5.11**  
**Sweden**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	9.39	1.62	7.76	15.84	---	---	---
1961	9.63	1.61	8.02	15.86	---	---	---
1962	9.84	1.60	8.24	16.73	---	---	---
1963	10.46	1.58	8.88	17.34	6.40	10.93	115.8
1964	10.94	1.57	9.36	17.24	6.25	10.99	112.7
1965	11.25	2.05	9.20	17.80	6.44	11.36	113.4
1966	11.71	1.59	10.12	18.94	6.75	12.19	115.1
1967	12.40	1.62	10.79	19.57	6.56	13.01	115.2
1968	13.31	1.45	11.86	20.61	6.81	13.80	113.2
1969	14.21	1.45	12.76	20.82	6.85	13.97	108.4
1970	15.31	1.56	13.75	21.43	7.00	14.43	106.5
1971	16.27	1.39	14.89	22.46	7.18	15.28	104.8
1972	17.13	1.39	15.74	22.70	7.12	15.58	102.1
1973	17.79	1.42	16.37	22.66	7.39	15.28	100.5
1974	18.90	1.37	17.52	23.19	7.57	15.62	95.4
1975	19.86	1.33	18.53	23.78	7.52	16.26	94.5
1976	20.79	1.30	19.48	24.85	7.71	17.14	90.0
1977	21.61	1.30	20.31	27.46	8.39	19.08	94.7
1978	22.66	1.24	21.41	27.90	8.01	19.89	93.9
1979	23.59	1.24	22.34	28.26	8.18	20.08	94.0
1980	24.39	1.24	23.15	28.83	8.46	20.37	94.3
1981	24.89	1.20	23.69	29.22	8.83	20.39	91.2
1982	25.06	1.20	23.86	29.11	8.87	20.24	93.1
1983	25.26	1.26	23.99	28.48	8.91	19.56	91.8
1984	25.93	1.22	24.72	27.61	8.67	18.95	88.2
1985	26.19	1.22	24.97	27.40	8.88	18.52	85.9
1986	26.05	1.20	24.85	27.19	8.74	18.45	86.1
1987	25.65	1.24	24.41	26.71	8.69	18.02	85.2
1988	25.73	1.23	24.50	25.95	8.37	17.58	83.7

**Table A.5.12**  
**Norway**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	---	1.63	---	11.77	---	---	---
1961	---	1.62	---	11.81	---	---	---
1962	9.38	1.45	7.92	13.98	4.86	9.13	95.2
1963	9.63	1.55	8.09	14.34	4.88	9.45	94.7
1964	9.95	1.47	8.49	14.47	4.83	9.64	95.4
1965	10.14	1.28	8.86	15.05	5.13	9.92	97.5
1966	10.34	1.35	8.99	15.46	5.21	10.26	97.3
1967	10.74	1.47	9.27	16.11	5.19	10.92	98.5
1968	11.17	1.46	9.71	16.57	5.33	11.24	96.0
1969	11.68	1.57	10.10	16.82	5.40	11.42	94.2
1970	12.10	1.69	10.41	16.94	5.88	11.06	92.7
1971	12.61	1.47	11.14	17.93	6.09	11.84	92.1
1972	13.08	1.46	11.63	18.15	5.87	12.28	90.0
1973	13.56	1.43	12.14	18.23	5.76	12.47	88.8
1974	13.52	1.40	12.12	18.31	5.97	12.34	88.8
1975	15.01	1.40	13.61	19.30	6.15	13.15	83.2
1976	15.84	1.55	14.29	19.97	6.10	13.86	86.7
1977	16.47	1.54	14.93	20.17	6.12	14.05	85.5
1978	16.85	1.53	15.32	20.44	6.29	14.15	86.6
1979	18.04	1.52	16.52	19.52	6.07	13.44	81.9
1980	18.70	1.44	17.27	18.76	5.93	12.83	79.3
1981	18.64	1.43	17.22	19.11	6.14	12.97	84.0
1982	19.20	1.61	17.59	19.35	6.01	13.33	82.4
1983	20.36	1.63	18.73	19.48	6.12	13.36	77.8
1984	20.89	1.38	19.51	18.58	5.66	12.92	75.5
1985	22.03	1.39	20.64	18.50	5.71	12.79	71.8
1986	22.46	1.38	21.08	19.78	6.01	13.78	70.1
1987	22.77	1.30	21.48	20.89	6.42	14.46	71.9
1988	22.68	1.29	21.39	20.99	6.16	14.82	72.4



**Table A.5.13**  
**Denmark**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	7.54	1.09	6.46	13.28	5.56	7.73	118.9
1961	7.80	1.48	6.32	14.44	5.52	8.92	132.8
1962	8.10	1.54	6.56	15.19	5.64	9.56	138.6
1963	8.45	1.61	6.84	15.44	5.80	9.64	131.8
1964	8.95	1.70	7.26	15.56	5.79	9.76	129.0
1965	9.48	1.65	7.83	16.30	5.78	10.51	129.3
1966	10.07	1.60	8.47	17.11	6.00	11.11	125.3
1967	10.89	1.46	9.43	17.84	6.23	11.61	117.9
1968	11.33	1.45	9.88	18.61	6.38	12.23	120.5
1969	11.85	1.44	10.40	18.87	6.49	12.38	121.7
1970	12.70	1.40	11.30	19.96	6.75	13.20	120.3
1971	13.57	1.27	12.30	21.25	6.91	14.34	121.3
1972	15.05	1.35	13.70	21.28	6.78	14.50	114.4
1973	15.60	1.23	14.37	21.29	6.54	14.75	112.3
1974	16.56	1.15	15.41	23.37	7.22	16.16	109.6
1975	17.04	1.06	15.98	24.59	7.38	17.22	108.4
1976	17.58	1.07	16.51	24.09	7.01	17.08	108.2
1977	18.30	1.07	17.24	23.90	6.67	17.23	105.0
1978	19.07	1.04	18.03	24.49	7.02	17.47	103.3
1979	20.05	1.05	19.00	25.03	7.26	17.77	100.1
1980	20.84	1.06	19.78	26.68	8.08	18.60	97.1
1981	21.54	0.98	20.56	27.76	8.16	19.61	98.7
1982	22.20	0.93	21.27	28.02	7.96	20.06	100.6
1983	22.31	0.91	21.40	27.21	7.62	19.59	98.5
1984	22.03	0.93	21.11	26.03	7.36	18.67	97.2
1985	22.12	0.87	21.24	25.28	7.35	17.93	96.8
1986	22.22	0.86	21.35	23.98	6.77	17.22	94.7
1987	22.25	0.85	21.40	25.48	7.29	18.19	95.7
1988	22.49	0.85	21.63	25.82	7.06	18.76	98.9

**Table A.5.14**  
**Japan**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump. Expend.			Gov't. Sector/Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total as % GDP	Non-Wage Expend. as % GDP	Wage Expend. as % GDP	
1960	---	0.39	---	7.96	2.08	5.88	---
1961	---	0.40	---	7.49	1.90	5.58	---
1962	5.80	0.38	5.42	7.83	1.97	5.86	---
1963	5.69	0.39	5.30	8.00	1.92	6.08	---
1964	5.62	0.38	5.24	7.86	1.72	6.14	---
1965	5.64	0.37	5.27	8.21	1.80	6.41	112.4
1966	5.48	0.36	5.12	8.03	1.85	6.18	114.6
1967	5.56	0.36	5.20	7.65	1.47	6.18	116.6
1968	5.51	0.36	5.15	7.44	1.52	5.92	115.9
1969	5.47	0.35	5.12	7.33	1.46	5.87	116.1
1970	5.51	0.36	5.14	7.44	1.56	5.88	115.3
1971	5.52	0.36	5.16	7.96	1.63	6.33	117.7
1972	5.70	0.36	5.34	8.17	1.62	6.55	116.8
1973	5.82	0.36	5.46	8.30	1.60	6.71	116.4
1974	5.94	0.31	5.62	9.12	1.64	7.49	120.0
1975	5.98	0.31	5.66	10.06	1.65	8.41	127.1
1976	5.91	0.31	5.61	9.90	1.60	8.30	127.1
1977	5.97	0.31	5.66	9.89	1.62	8.27	125.4
1978	6.10	0.31	5.79	9.75	1.63	8.12	122.4
1979	6.19	0.31	5.89	9.83	1.73	8.10	121.4
1980	6.19	0.31	5.88	10.00	1.90	8.10	122.6
1981	6.20	0.31	5.89	10.15	2.05	8.09	122.1
1982	6.16	0.31	5.85	10.16	2.09	8.06	122.0
1983	6.14	0.30	5.84	10.20	2.19	8.00	122.3
1984	6.14	0.30	5.84	9.88	2.14	7.75	122.0
1985	6.11	0.30	5.82	9.70	2.06	7.64	123.1
1986	6.02	0.29	5.72	9.87	2.16	7.71	126.0
1987	5.99	0.29	5.70	9.57	2.02	7.55	125.0
1988	5.89	0.29	5.60	9.39	1.96	7.43	126.8

**Table A.5.15**  
**Australia**  
**Government Employment, Consumption and Wage Ratio**

Year	Gov't. Employ.:			Gov't. Consump.			Gov't. Sector/ Private Sector Wage Ratio
	Total as % Work. Age Pop.	Military as % Work. Age Pop.	Civilian as % Work. Age Pop.	Total Expends. as % GDP	Non-Wage Expends. as % GDP	Wage Expends. as % GDP	
1960	6.92	0.75	6.17	9.64	2.94	6.71	---
1961	7.25	0.70	6.55	10.21	3.14	7.06	---
1962	7.15	0.72	6.43	9.92	3.15	6.77	---
1963	6.98	0.74	6.24	9.86	3.07	6.78	---
1964	7.40	0.74	6.66	10.40	3.07	7.33	134.5
1965	7.65	0.97	6.68	11.41	3.48	7.93	134.3
1966	7.93	0.94	6.99	11.84	3.75	8.09	131.7
1967	8.16	1.07	7.09	13.01	4.46	8.54	131.0
1968	8.25	1.10	7.15	11.98	4.03	7.94	134.9
1969	8.06	1.11	6.95	12.01	3.62	8.39	142.0
1970	8.12	1.06	7.06	12.44	3.45	8.99	147.1
1971	9.01	1.07	7.94	12.70	3.13	9.56	137.2
1972	9.20	1.05	8.15	12.69	2.97	9.72	138.6
1973	8.20	0.86	7.34	13.30	3.16	10.14	166.5
1974	8.92	0.79	8.13	14.88	3.19	11.69	155.8
1975	10.39	0.78	9.61	15.69	3.39	12.30	142.3
1976	10.51	0.77	9.74	16.07	3.84	12.23	142.6
1977	11.06	0.76	10.30	16.71	3.92	12.78	134.1
1978	11.13	0.75	10.38	16.31	4.00	12.31	133.6
1979	10.63	0.74	9.88	16.16	4.07	12.09	138.0
1980	10.65	0.74	9.91	16.77	4.27	12.49	143.3
1981	10.56	0.75	9.81	16.99	4.48	12.51	142.6
1982	10.78	0.74	10.04	17.78	4.57	13.20	133.3
1983	11.17	0.72	10.45	17.30	4.68	12.62	132.6
1984	11.15	0.70	10.45	19.00	5.68	13.31	130.3
1985	11.32	0.68	10.65	19.08	6.01	13.07	128.3
1986	11.54	0.66	10.87	18.77	6.06	12.71	127.4
1987	11.41	0.65	10.76	17.91	5.82	12.09	126.4
1988	11.14	0.64	10.50	16.80	5.52	11.28	128.2

**Table A.6**  
**Government Price Deflator (1980 = 1.0)**

Year	United States	Canada	United Kingdom	Netherlands	Belgium
1950	0.204	0.138	---	0.093	---
1951	0.231	0.154	---	0.111	---
1952	0.242	0.161	0.094	0.111	---
1953	0.245	0.165	0.096	0.112	0.255
1954	0.248	0.172	0.099	0.119	0.256
1955	0.254	0.177	0.104	0.129	0.256
1956	0.266	0.190	0.113	0.140	0.264
1957	0.278	0.200	0.120	0.153	0.274
1958	0.288	0.205	0.125	0.153	0.277
1959	0.295	0.212	0.131	0.155	0.283
1960	0.309	0.220	0.136	0.165	0.286
1961	0.318	0.227	0.141	0.176	0.286
1962	0.328	0.233	0.147	0.190	0.291
1963	0.337	0.237	0.152	0.208	0.296
1964	0.346	0.251	0.159	0.244	0.307
1965	0.356	0.262	0.170	0.267	0.323
1966	0.375	0.280	0.180	0.293	0.340
1967	0.393	0.299	0.188	0.322	0.354
1968	0.413	0.316	0.199	0.341	0.369
1969	0.437	0.342	0.212	0.372	0.386
1970	0.473	0.362	0.235	0.404	0.411
1971	0.505	0.385	0.260	0.453	0.447
1972	0.540	0.412	0.285	0.502	0.487
1973	0.577	0.447	0.311	0.560	0.526
1974	0.627	0.519	0.381	0.648	0.602
1975	0.687	0.600	0.499	0.735	0.712
1976	0.733	0.682	0.577	0.801	0.778
1977	0.781	0.748	0.639	0.853	0.840
1978	0.837	0.811	0.708	0.903	0.881
1979	0.903	0.884	0.806	0.954	0.928
1980	1.000	1.000	1.000	1.000	1.000
1981	1.093	1.137	1.133	1.021	1.078
1982	1.162	1.267	1.223	1.057	1.153
1983	1.224	1.366	1.303	1.072	1.178
1984	1.263	1.411	1.371	1.066	1.244
1985	1.305	1.471	1.454	1.071	1.302
1986	1.330	1.497	1.529	1.063	1.335
1987	1.381	1.561	1.622	1.073	1.337
1988	1.435	1.617	1.735	1.082	1.353

**Table A.6, continued**  
**Government Price Deflator (1980 = 1.0)**

Year	France	Fed. Rep. Germany	Austria	Italy	Finland
1950	0.082	0.187	0.095	---	0.072
1951	0.100	0.211	0.130	0.069	0.093
1952	0.113	0.227	0.153	0.075	0.099
1953	0.118	0.233	0.158	0.074	0.101
1954	0.122	0.236	0.164	0.082	0.101
1955	0.126	0.245	0.175	0.086	0.107
1956	0.137	0.259	0.195	0.092	0.124
1957	0.149	0.268	0.217	0.096	0.132
1958	0.168	0.277	0.216	0.099	0.140
1959	0.180	0.279	0.220	0.102	0.146
1960	0.185	0.294	0.230	0.106	0.152
1961	0.195	0.314	0.245	0.112	0.160
1962	0.210	0.331	0.260	0.125	0.170
1963	0.230	0.351	0.279	0.146	0.184
1964	0.243	0.361	0.291	0.158	0.205
1965	0.250	0.385	0.316	0.173	0.219
1966	0.261	0.405	0.336	0.177	0.236
1967	0.270	0.415	0.366	0.181	0.257
1968	0.289	0.427	0.386	0.187	0.286
1969	0.313	0.460	0.421	0.198	0.299
1970	0.338	0.503	0.446	0.210	0.316
1971	0.364	0.570	0.485	0.243	0.344
1972	0.390	0.609	0.527	0.263	0.376
1973	0.430	0.670	0.598	0.296	0.425
1974	0.504	0.751	0.673	0.346	0.520
1975	0.579	0.800	0.751	0.388	0.633
1976	0.638	0.831	0.814	0.454	0.717
1977	0.713	0.869	0.853	0.553	0.775
1978	0.789	0.900	0.913	0.657	0.817
1979	0.879	0.942	0.952	0.805	0.894
1980	1.000	1.000	1.000	1.000	1.000
1981	1.142	1.051	1.071	1.275	1.125
1982	1.307	1.087	1.150	1.491	1.241
1983	1.430	1.117	1.188	1.728	1.363
1984	1.517	1.134	1.242	1.858	1.467
1985	1.583	1.159	1.307	2.019	1.608
1986	1.634	1.184	1.364	2.152	1.696
1987	1.663	1.210	1.408	2.360	1.788
1988	1.703	1.227	1.442	2.564	1.907

**Table A.6, continued**  
**Government Price Deflator (1980 = 1.0)**

Year	Sweden	Norway	Denmark	Japan	Australia
1950	0.086	0.141	0.095	---	0.111
1951	0.103	0.158	0.105	---	0.133
1952	0.119	0.177	0.112	0.088	0.147
1953	0.120	0.180	0.114	0.101	0.151
1954	0.120	0.185	0.120	0.109	0.157
1955	0.128	0.192	0.125	0.113	0.172
1956	0.135	0.209	0.133	0.119	0.178
1957	0.146	0.221	0.136	0.129	0.182
1958	0.148	0.227	0.144	0.135	0.184
1959	0.151	0.236	0.147	0.141	0.201
1960	0.177	0.241	0.151	0.154	0.210
1961	0.186	0.247	0.173	0.168	0.215
1962	0.200	0.276	0.187	0.180	0.220
1963	0.207	0.285	0.196	0.195	0.226
1964	0.223	0.298	0.211	0.214	0.239
1965	0.242	0.312	0.240	0.232	0.249
1966	0.265	0.336	0.262	0.249	0.259
1967	0.284	0.350	0.278	0.266	0.273
1968	0.297	0.369	0.309	0.290	0.283
1969	0.310	0.389	0.333	0.320	0.298
1970	0.333	0.424	0.365	0.362	0.321
1971	0.369	0.472	0.407	0.405	0.358
1972	0.399	0.505	0.443	0.452	0.386
1973	0.432	0.547	0.489	0.533	0.433
1974	0.484	0.613	0.580	0.675	0.521
1975	0.557	0.695	0.669	0.769	0.624
1976	0.636	0.769	0.728	0.815	0.709
1977	0.742	0.831	0.785	0.871	0.777
1978	0.814	0.889	0.844	0.898	0.830
1979	0.882	0.918	0.908	0.937	0.895
1980	1.000	1.000	1.000	1.000	1.000
1981	1.084	1.103	1.106	1.033	1.132
1982	1.174	1.196	1.244	1.059	1.252
1983	1.278	1.282	1.333	1.077	1.328
1984	1.349	1.330	1.392	1.109	1.407
1985	1.426	1.419	1.444	1.136	1.496
1986	1.514	1.522	1.473	1.132	1.590
1987	1.571	1.672	1.589	1.157	1.670
1988	1.657	1.752	1.702	1.176	1.762