RESOURCE TRANSFER BETWEEN

JEWS AND ARABS IN NANDATORY PALESTINE

Jacob Wetzer

ABSTRACT

ABSTRA

I. INTRODUCTORY REMARKS.

A most prominent characteristic of mandatory Palestine was the binational lewish—Arab dualism. In the political sphere it was manifested in the diametrically opposed political objectives of the two people. The

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a majority that would eventually establish an independent Jewish state in commodated. The Arab objective, on the other hand, was to maintain an with expectations for a continuous flow of Jewish immigration, to become to transform Palestine into an Arab state in which the Jews would have datory period) by restricting Jewish immigration and land purchases, and Arab majority (which in fact existed in Palestine until the end of the man-Palestine. In it an autonomous Arab community was expected to be ac-Zionist objective was to build an autonomous Jewish national home and social segregation and to the creation by each national community of poindividual rights but neither collective recognition nor autonomy (Metzer, with the mandatory government, and promoting national goals. litical and administrative institutions for running internal affairs, dealing 1978; Zionism and the Arab Question, 1979). These conflicting aims led to

and final goods and services. This economic dualism had two distinct some economic interaction in the form of trade in factors of production of two essentially separate national economies, Arab and Jewish, with and Hinden, 1938; Abramowich and Guelfat, 1944). a modernizing market economy during the mandatory period (Horowitz nity) and a modern, high-income, primarily urban sector (the Jewish comin mandatory Palestine. The reference here is to the coexistence of a lowto do with the attributes of the typical developing dual economy as found Metzer, 1978; Metzer, 1977). The second component was general and had and in the provision of public services and investments to the Jewish comical pressure to limit intersectoral economic relations, on the one hand, components. One was political and was expressed in the national-ideologmunity) which led the entire economy in its growth and development into munity by an autonomous Zionist public sector, on the other (Gross and income, relatively traditional and mainly rural sector (the Arab commu-In the economic sphere, national dualism was reflected in the existence

tween the two communities. In 1936 Jewish per capita income was £P49 alism; here I would like only to emphasize the income differential beon the eve of the World War II, they were 28 percent (Gross and Metzer the early 1920s, the Jews constitued about 10 percent of the total, by 1939, traditional sector experiences a higher rate of population growth. Thus, in than the Arab population, unlike in the typical dual economy in which the the Jewish population that, because of immigration, grew much faster 34; Szereszewski, 1968, p. 50). However, in mandatory Palestine it was while Arab per capita income was no more than £P17 (Gaathon, 1978, p. I shall elaborate later on the characteristics of Palestine's economic du

policy, and particularly the fiscal incidence (i.e., the incidence of taxes In this complex political and socioeconomic dual structure, governmen

> munities—an approach which, from the contemporary point of view, and expenditure) along national lines, was highly important. We have the Jewish contribution to Arab material welfare generated by them. tween Jews and Arabs about the evaluation of government policies and pects of the government budget were a major source of disagreement beterminated. And indeed, as will be shown below, the redistributional aswould affect the country's political future after the British mandate was proach to Palestine as a political entity composed of rival national comtry's political economy at the time and reflected the government's apincidence on Jews and Arabs also had serious implications for the countraditional and modern sectors of a colonial dual economy; but the fiscal here a case history of the distributional effects of the public sector on the

empirical foundations. The main purpose of this study is therefore to estinational rivalry. some insight into the nature of these relationships under the constraints of relationship between Jews and Arabs will be examined in order to provide dition, the weight of the fiscally generated transfer in the overall economic butive effects within the framework of a developing dual economy. In adtoward the Jewish and the Arab communities, in general, and its redistri with contemporary assessments, the government's economic policy system. On the basis of these estimates I shall evaluate, and confront sources transferred between the two national sectors through the fiscal mate, as accurately as possible, the incidence and the amount of rethe debates concerning it were based only on very partial and inaccurate Important as the fiscal incidence may have been as a polemical issue,

civil regime, and the other, the later interwar period. two benchmark years, one representing the early period of the British This was precluded by data constraints; the analysis is therefore limited to incidence for the entire mandate period, or at least for the interwar years. ally want to estimate a continuous annual series of the government fiscal sition of government taxes and expenditures, on the other, one would ide-Palestine's population and economy, on the one hand, and in the compo-Given the changes that took place in the Jewish community's share of

and government expenditures in a way which seems a priori related to the share of transaction and expenditure taxes in total revenue (Morag, 1967 changes in fiscal incidence in a dual economy. I refer here primarily to the extraordinarily high. Second, they differed in the composition of taxes were nonviolent years as far as Jewish-Arab relations were concerned April 1, 1926, to March 31, 1927, and from April 1, 1935, to March 31 thus government expenditure on defense and internal security were no 1936. These particular years have a number of advantages: First, they The years chosen for the investigation were the fiscal years dating from

assumption, the Jewish share of Palestine's net domestic product was 33 capita in the entire economy rose at the same rate as in the Jewish sector order to estimate the net domestic product of the entire economy and its mestic product as estimated by Szereszewski for the years 1922-1947. In cent of the net domestic product of the entire economy. For the rest of the structed by Gaathon (1978, pp. 19-35) and revised by Szereszewski origin are available. According to the pioneer input-output tables conthird, not unconnected, advantage is that the 2 years selected highlight the to the percentage of outlays on infrastructure and other economic serpercent in 1926/27 and 52.5 percent in 1935/36.3 between 1926/27 and 1936 (9:7 percent annually on the average). On this Jewish-Arab distribution in 1926/27, I have assumed that real income per interwar period the only available annual figures are for Jewish net do-(1968, pp. 27–69), the 1936 Jewish net domestic product was about 55 perterwar year for which direct estimates of Palestine's product by national much less about the Jewish sector's economic weight: 1936 is the only inin 1935/36 (Vital Statistics, 1947; Bachi, 1974, pp. 399-400). We know population share, which was 16.5 percent in 1926/27, reached 26 percent changes in the weight of the Jewish community in Palestine. The Jewish vices, which increased from 20 percent of all government expenditure in pp. 8-9), which was 76 percent in 1926/27 and 91 percent in 1935/36, and 1926/27 to 33 percent in 1935/36 (Treasurer Reports 1926/27, 1935/36). The

In addition, the years selected also have some technical advantages. For example, there are some detailed tax incidence studies for 1930 (see below) from which we know that in that year the Jewish population and product shares were the same as in 1926/27. And in 1935/36, the Public Works Department, which was responsible for about a third of all government expenditures in the mid-1930s, published its most detailed report of the entire interwar period. Another advantage of 1935/36 was that I was able to draw on the rich data base base contained in Gaathon's (1978) comprehensive study of the economy of Palestine in 1936.

The study is divided into four sections: In the first, Palestine's tax structure, it changes, and the tax incidence estimates are presented and discussed. The second section is devoted to the estimation and analysis of the incidence of expenditure (a detailed discussion of the composition of government expenditures is to be found in Gross and Metzer, 1978). The net fiscal incidence is derived in the third section, and its implications for the distribution of income and resources and for the overall intersectoral transfer between Jews and Arabs are analyzed. The last section sums up the study by discussing the links between the government fiscal system and various aspects of Jewish–Arab national politics in mandatory Palesfine.

II. THE STRUCTURE AND INCIDENCE OF TAXATION

As already stated, mandatory Palestine was a developing economy, in transition from tradition to modernity and market-oriented economic activity. Closely related to this process were the changes in the country's tax structure during the period.

The relationships between economic development and changes in tax structure have often been dealt with in the literature. A useful typological classification and generalization of these relationships has been provided by Hinrichs (1966). Hinrichs distinguishes between three basic tax categories: 1) traditional direct taxes typically consisting of taxes on land, livestock, gross agricultural output, etc.; 2) modern direct income and property taxes; and 3) indirect taxes. The last category is further subdivided into foreign trade and internal taxes.

and external, rises, so that they become the major source of tax revenue direct taxes starts to diminish and that of the indirect taxes, both internal economy embarks on a developmental path, the weight of the traditional derived primarily from traditional direct taxes, while the much less imporfollows. In the premodern traditional stage, government tax revenue is veloping country undergoes significant changes that can be summarized as show that, along with modernization, the tax structure of the typical deeign trade taxes declines. These trends continue until the economy one usually observes gradual substitution of modern direct taxes for the tant indirect taxes are dominated by duties on foreign trade. When the traditional ones, while in the indirect tax category the weight of the for As the internal market grows and economic activity becomes diversified and business income tax and modern property taxes, with traditional become the prime source of tax revenue. But they now consist of personal reaches an advanced stage of modernity in which direct taxes once again taxes virtually eliminated. Utilizing a wide range of empirical observations, Hinrichs was able to

Thus in terms of the direct/indirect tax ratio, the change in the tax structure that occurs with economic development has a U-shaped pattern. The ratio is high in the traditional period and in the late stages of development, reaching a low point during the transition.

The general trend of change of Palestine's tax structure in the mandatory period follows this pattern very closely. In Table 1, which employs the tax classification suggested by Hinrichs, it can be seen that the most prominent changes in the country's tax structure were the gradual replacement of traditional direct taxes on output (the tithe) and on real estate (the werko) by modern property and income taxes; the eventual de-

	1921/22- 1932/33	1933/34 – 1940/41	1941/42- 1946/47
Direct Taxes			
Output and Property Taxes: Tithe	11.2	0.7	o `
Werko	10.5	1.0	
Rural Property Tax	1	2.1	2.8
Urban Property Tax	l	6.8	5.2
Livestock Tax	2.5	0.7	0.1
Total Output and Property Taxes	24.2	11.4	9.1
Income Tax	1	Ιİ	18.7
All Direct Taxes	24.2	11.4	27.8
Indirect Taxes			
Transaction Taxes	20.2	21.7	20.8
Expenditure Taxes: Customs	47.4	57.4	38.9
Excise Taxes	9.5	9.5	12.4
Total Expenditure Taxes	55.7	66.9	51.4
All Indirect Taxes	75.8	88.6	72.2
All Taxes: Percent	100.0	100.0	100.0
Annual Average (£P thousand)	1751.8	3737.4	11536.9

Granovsky (1933) pp. 14-18; Morag (1967) pp. 8-9; Blue Books (1927-1937); Treasurer Reports

cline in customs during World War II, were certainly exogenous, but most of them were endogenous. This refers primarily to the increase in revenue of tax revenue during the entire period; and the fall and subsequent rise of ment tax reforms which generated the principal changes in Palestine's tax keted output such as transaction and expenditure taxes and to the governfrom those taxes which were highly correlated with the growth of marwere induced by general economic development. Some, such as the de the direct/indirect tax ratio. This is not to say that all of these changes cline in the weight of customs duties, which were the largest single source

to replace the payments in kind by money payments. and was originally collected in kind as a given proportion of gross output ditional tax used by the Ottoman regime as its major source of revenue mate elimination of the agricultural output tax—the tithe. This was a tra-The first modification of the tithe introduced by the British (in 1918) was The most far-reaching reforms had to do with the modification and ulti

share of value added in gross output; it therefore discriminated against terms of gross output. This meant that it was inversely correlated with the low-value-added producers, and its real burden rose when crop yields de The main drawback of the tithe was that it was levied at a fixed rate in

> revenue, as compared with an average of 11 percent in the 1920s and early inate it: by the mid-1930s, it had declined to less than 1 percent of all tax sources of tax revenue induced by economic growth led the government clined. Constant pressure from farmers and the increase in alternative first to revise the structure of the tithe (in 1928) and then gradually to elim-

government introduced a new urban property tax based on updated value ship. The first step to correct this distortion was taken in 1929, when the uted according to whether and when the taxed property changed ownercapital import, and growth, the real tax rates were quite arbitrarily distribrose substantially during the mandatory period, as a result of immigration. had been assessed at the time of the transaction. Since real estate values except in the case of property which had changed hands since then and and buildings tax (werko), also inherited from the Ottoman regime. It was ture of property taxes. In the 1920s, the only property tax was the land assessments. levied on the basis of a property assessment carried out in the early 1890s Another important tax reform produced a series of changes in the struc-

mendation was to introduce a progressive income tax. It also recombetween it and the rest of the economy. The committee's principal recomcal measures that would increase equity within the agricultural sector and was to examine the economic condition of farmers and to recommend fisfinally acted on,5 but the new rural property tax was introduced in 1935 to wait until 1941, primarily because of Jewish objections, before it was be based on the updated market value of rural property and would allow mended the introduction of a new agricultural property tax which was to Crosbie committee by the High Commissioner for Palestine. Its mandate for higher taxes on cultivated land. The income tax recommendation had The next action came in 1930 with the appointment of the Johnson-

crease in revenue from customs duties caused the tax structure of the property and output, whereas in the 1930s the major item was the urban percent, and the second was the change in the internal composition of dithat the weight of direct taxes in total revenue declined from 24.2 to 11.4 rect taxes. In the 1920s they were dominated by taxes on agricultural 1930s to differ from the 1920s in two major respects (see Table 1): one was property tax. The output and property tax reforms coupled with a substantial in-

due to the British demand for supplies and services during the war. But, as indicated above, the government had already accepted the income tax in customs revenue and by the sharp rise in domestic incomes, primarily Its precise timing was very much determined by the war-induced decline proposal in 1930. The economy was ripe for it, and it was only because of The last reform was the introduction of progressive income tax in 1941

the political conflict between Arabs and Jews (to be discussed below) that the introduction of the income tax was postponed until the war.

association between the relative weights of the two national sectors in the tine's modernization and growth. One would thus expect to observe some which the comparatively advanced Jewish sector was the leader in Palesindicated in Section I, this path had distinctly dualistic characteristics, in the country's developmental path and the government's response to it. As of the tax burden between jews and Arabs—the major issue of this sececonomy and the tax structure. This would in turn affect the distribution We have so far shown that the mandatory tax structure largely reflected

tion, to which we now turn. government study which arrived at very similar results for 1930 ("Memoquantitative evidence on what was believed to be the relatively large Jewvich, 1932, 1936). He conducted his investigation in order to provide vich, head statistician of the Jewish Agency, for 1930 and 1934/35 (Gureunduly biased. Moreover, his findings were confirmed by an independent tives, neither his procedure nor the quantitative parameters he used were ish contribution to government revenue. In spite of his particularistic molewish and Arab shares in government revenue prepared by David Gurerandum by the Treasurer . . .," 1932). The empirical basis for the analysis of tax incidence is the estimates of

come, and various output aggregates. at all whereas indirect taxes are shifted all the way to the ultimate consumptions regarding tax shifting, namely, that direct taxes are not shifted and urban population, real estate, the relevant types of capital, wage insumer. On these assumptions, he divided tax payments between Jews and Arabs according to parameters such as their shares in Palestine's rural In estimating the tax incidence, Gurevich adopted the conventional as-

our purposes seems to be both methodologically and empirically justified holic beverages. On these grounds, the use of Gurevich's estimates for goods were limited to three commodities: matches, tobacco, and alcowere highly segregated and where excise taxes on domestically traded the dual economy of mandatory Palestine, where the two national sectors ture (see De Wulf, 1975), they seem to be quite legitimate in the context of ties have been seriously questioned in the modern public-finance literathe nature of tax shifting and the underlying demand and supply elastici Although the empirical validity of the conventional assumptions about

rately. The direct application of the relative incidence coefficients for Jews and Arabs according to Gurevich's distributive shares for 1930 and income and population distributions were the same in both years. Simi-1930 to the taxes of 1926/27 is justified by the fact that the Jewish-Arab 1935/36, respectively, with the calculation being done for each tax sepa What I did was to allocate the 1926/27 and 1935/36 revenue between

> larly, one can justify the application of the 1934/35 coefficients to the changes between these two consecutive fiscal years which would have 1935/36 tax structure on the grounds that there were no noticeable

significantly altered the distribution of the tax burden.

rect taxes (consisting almost entirely of the traditional tithe and werke prices) and 3 (percentages). The composition of taxes in 1926/27 an produced one-quarter of the total tax revenue, in marked contrast will the two years differed substantially in their tax structure: in 1926/27, d taxes had been largely replaced by the new urban and rural proper 1935/36 is also reported in these tables, and it is immediately evident the 1935/36, when they produced less than one-tenth and when the tradition The incidence estimates by tax group are presented in Tables 2 (current

and a half times—from £P672,000, or 38 percent of total tax revenue years. The revenue derived from the Jewish sector grew more than fo increase in Jewish compared with Arab tax payments between the tv 1926/27, to £P3.1 million, or 69.1 percent of the total in 1935/36. The Ar The principal finding to emerge from the incidence analysis is the lan

Table 2. The Incidence of Taxation 1926/27, 1935/36

Sources: Gurevich (1932, 1936)

contribution, on the other hand, rose by only 50 percent, from £P1.1 mil-

lion to £P1.7 million.

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		1926/27				1935/36		
		7	ax Incidenc	:e	· ·	7	ax Incident	ce
	Tax Composition	Jews	Arabs	Total	Tax Composition	Jews	Arabs	Total
Agricultural Output and Property Taxes		-						
Tithe	11.8	13.0	87.0	100.0	0.5	13.0	87.0	100.0
Werko	10.1	36.0	64.0	100.0	0.8	36.0	64.0	100.0
Rural Property Tax	-,-·-	_	_		2.1	28.0	72.0	100.0
Urban Property Tax		_	_	_	5.0	69.0	31.0	100.0
Livestock Tax	2.2	1.0	99.0	100.0	0.5	1.0	99.0	100.0
Total Output and Property Tax	24.2	21.5	78.5	100.0	9.2	<u>47.7</u>	<u>52.3</u>	100.0
Transaction Taxes								
Stamps Tax	3.8	45.0	55.0	100.0	2.6	54.0	46.0	100.0
Licenses and Fees	. 13.5	44.9	55.1	100.0	14.9	65.6	34.4	100.0
Land Registration Tax	3.9	54.5	45.4	100.0	8.3	77.0	23.0	100.0
Total Transaction Taxes	21.3	46.7	53.3	100.0	25.8	68.1	31.9	100.0
Expenditure Taxes				•				
Customs	45.2	42.0	58.0	100.0	57.5	65.8	34.2	100.0
Excise Taxes	9.3	39.0	60.8	100.0	7.5	54.6	45.4	100.0
Total Expenditure Taxes	<u>54.5</u>	41.5	<u>58.5</u>	100.0	<u>65.0</u>	64.5	<u>35.5</u>	100.0
All Taxes	100.0	37.8	62.2	100.0	100.0	63.9	36.1	100.0

Source: Table 2

was the lowest. These findings are consistent with the fact that Palestine istics, and policies prevailing at the time. was a dual economy, as well as with the specific conditions, tax character The economic dualism of Arab and Jewish sector had both inter- and

share rising from 33 to 52.5 percent in the same period. It is interesting to

rose from 16.5 percent in 1926/27 to 26 percent in 1935/36, the income ceeded the Jewish share of population and income: the population share

In both years the Jewish percentage contribution to tax revenue ex

egories; only about 12 percent of it can be attributed to changes in the tax note that the increase in Jewish tax payments was spread over all tax cat-

structure such as the decline in output taxes, in which the Jewish share

ulation was urban in 1936, compared with only 36 percent of the Arab centrated in nonagricultural pursuits. About 86 percent of the Jewish popto what is commonly found in developing dual economies, namely, that intraindustry aspects. At the interindustry level one finds a feature similar in 1936 agriculture employed only 19 percent of the Jewish labor force and population (Gaathon, 1978, p. 20). Similarly, as we can see from Table 4. generated only 9.5 percent of Jewish income, the corresponding figures he economic activity of the more advanced and prosperous sector is confor the Arab sector being 62 and 25 percent. The most interesting feature of Jewish-Arab dualism was, however

ism reflected the coexistence of two separate economies and not just although the modernity of the Jewish economy is generally identified with almost every industry higher in the Jewish than in the Arab sector, the presents the Jewish-Arab ratios of per capita and per earner income in the intraindustry differences in income between the two sectors. Table 4 two—modern industrial and traditional agricultural—socioeconomic sec phenomenon was connected primarily with the fact that Palestine's dual the high proportion of nonagricultural output and employment, it was in largest differential being in agriculture and construction. In other words owing to the national and social ideology and to the rapid growth of Jeweconomy on unskilled and semiskilled Arab labor was also quite moderate manpower in modern agriculture. Similarly, the reliance of the Jewish sources—particularly through its public-finance channels—as well as considerable amount of capital and R&D (research and development) re-1936. It can be seen that income, both per capita and per earner, was in griculture that the Jewish economic advantage was most prominent. This For ideological and political reasons the Jewish community invested a and population during the mandatory period (Metzer

sh immigration

lable 4. Product and Employment Distribution by Industry 1936

and intensity during the mandatory period. and 1935/36. This was the nationally motivated land-purchase drive by major source of revenue) and its rapid rate of increase between 1926/27 duced the exceptionally large Jewish share in the land-registration tax (a and the level of income. However, it was another specific factor that protaxes was positively associated with the degree of economic development were in transaction taxes (46.7 and 68.5 percent) and expenditure taxes tion (78.5 and 52.3 percent in 1926/27 and 1935/36, respectively) was to the sectoral contributions to each kind of tax: the highest Arab contribudualism and the incidence of taxation is clearly reflected in the figures for Jewish public institutions and private persons, which increased in volume (21.5 and 47.7 percent). The revenue from expenditure and transaction (41.5 and 69.5 percent), with output and property taxes a good way behind agricultural output and property taxes; the highest Jewish contributions The association between the interindustry characteristics of Palestine's

ever, it may have reflected the fact that the administration of the werko, according to which only the value of newly purchased real estate was that the Jewish community was primarily urban. To some extent, howwerko, the Jewish share being much lower in the first (13 percent) than in sarily work in the same direction. In 1926/27 the interesting feature of the ernment's collection procedures and policies, effects which did not necesany other tax category, the effects of intraindustry dualism and the govreassessed, in practice discriminated against the Jews, since most of their urban real estate, this difference was certainly associated with the fact the second (36 percent). Since a large part of the werko was levied on incidence of these taxes was the difference between the tithe and the The incidence pattern of output and property taxes reflects, more than

> and its implied bias in favor of more efficient production may have property was newly acquired. On the other hand, the structure of the tithe worked to the benefit of Jewish agriculture.

ish agricultural capital stock (including land) and output, on the one hand other. These developments may have more than offset the effect of the rural property tax in 1935/36. This may have reflected the increase in Jewin the Jewish relative contribution to the purely rural taxes: compare the placed the tithe and the werko by the new rural and urban property taxes Jewish contribution to property taxes. the mid-1930s, which, other things being equal, should have lowered the reassessment of agricultural real estate accompanying the tax reform of and the increase in the relative efficiency of Jewish agriculture, on the 13 percent share in the tithe in 1926/27 with the 28 percent share in the The most noticeable change in their incidence was the very large increase Between 1926/27 and 1935/36 the government, as indicated above, re-

penditure tax payments rose by about 95 percent. percent between the two years under review, while its transaction and ex solute terms, however, its payments in this category declined by about 3 make its highest relative contribution to output and property taxes; in abditure taxes was no more than 50 percent. The Arab sector continued to mark years, while the corresponding increase for transaction and expencontribution to these taxes, more than doubling it between the two bench revenue. At the same time, the Jewish sector rapidly increased its relative rose, output and property taxes produced a declining share of total tax To sum up, we see that as the weight of the more modern Jewish sector

socioeconomic research is done on the two national communities in Palesmore underdeveloped condition at the beginning of the period and its at above, the Arab sector may have been modernizing its structure faster tine, this possibility remains conjectural. tempts to catch up in the later years. However, until more comparative than the Jewish sector, and this in turn may have reflected the former's This suggests that, in addition to the contributory factors mentioned

consequently, the Jewish/Arab per capita tax ratio rose from 3 in 1926/27 effect of the very rapid absolute and relative growth of Jewish population. slowly in both national communities. It is interesting to note, though, that the rise in aggregate Jewish tax payments was high enough to offset the 5, we see that, due to population growth, they increased much more When we move from aggregate to per capita taxes, as reported in Table

of Table 6. It is seen that the ratio of taxes to Jewish income increased two communities, the picture changes significantly. The share of taxes in the Jewish and Arab net domestic product is presented in the upper panel On the other hand, when the economic tax burden is compared for the

Szereszeweski (1968) p. 38, for columns (1) and (3); Gaathon (1978) pp. 24, 28, 32 for columns (2),

Table 5. Population and Taxes per Capita 1926/27, 1935/36

		1962/27	2.127		1935/36	136
	Jews (l)	Arabs (2)	Jewish/Arab Ratio $A = (I)/(2)$ $A = (J)/(2)$ $A = (J)/(2)$	Jews Arabs (4) (5)		Arabs Ratio $(5) (6) = (4)/(5)$
Population (thousands)	149.6	149.6 755.3	0.2	334.2 947.1	947.1	0.3
Output and Property Taxes	0.6	0.4	1.4	0.6	0.2	2.5
Transaction Taxes	1.2	0.3	4.1	2.5	0.4	6.0
Expenditure Taxes	2.7	0.7	3.6	6.0	1.2	5.2
All Taxes	4.5	1.5	3.0	9.1	 	5.0

Sources: Vital Statistics (1947), Bachi (1974) p. 399, for the population data: Table I for the tax incidence.

cent. only moderately (compared with the increase in per capita taxes), from 15 tax burden even declined between the two years, from 12.2 to 10.5 perpercent in 1926/27 to 16.8 percent in 1935/36, while in the Arab sector the

look also at an alternative measure of the tax burden, the proportion of In the particular case of mandatory Palestine, however, it is useful to

Table 6. Net Domestic Product, Resources and Tax Shares

		1926/	1926/27, 1935/36			•
		1926/27	77		1935/36	-
	Jews (I)	Arabs (2)	JewishlArab Ratio ' $(3) = (1)/(2)$	Jews (4)	Arabs (5)	Jewish Arab $Ratio$ $(6) = (4)/(5)$
Net Domestic						
(£P thousand)	4,486.5 9,102.1	9,102.1	0.5	18;180.5 16,453.0	16,453.0	1.1
(£P thousand)	9,685.1 9,102.1	9,102.1	1.1	29,449.7 16,453.0	16,453.0	8.1
Product (Percent)						
Output and)	-1 -1	.	<u>.</u>		0
Transaction Taxes	3.9	2.2	1.7	4.6	2.4	1.9
Expenditure Taxes	9.0	6.2	1.4	11.0	6.7	1.7
All Taxes Tux Share in Net Resources (Percent)	15.0	12.2	. 1.2	16.8	10.5	1.6
All Taxes	6.9	12.2	0.6	10.4	10.5	1.0

migrants and by the diaspora-based fund-raising institutions, net domestic ish net capital import, primarily in the form of unilateral transfers by imtaxes in total annual resources, which is reported in the lower panel of come (income-based burden). However, the resource-based burden intaxes in total resources (resource-based burden), the Jewish community's averaged only 58 percent of the total annual flow of Jewish resources the Jewish community, and between 1922 and 1939 net domestic product Table 6. This is a revealing measure: because of the very substantial Jewcreased faster because Jewish capital imports grew more slowly than net tax burden was obviously smaller than in terms of the percentage of inproduct strongly understates the amount of resources at the disposal of domestic product between 1926/27 and 1935/36. (Gross and Metzer, 1978, p. 153). Thus, in terms of the percentage of

a progressive system. A ratio of unity would obviously mean that the syssystem in terms of its Jewish-Arab redistributive effects. Given the directhe Jewish-Arab dichotomy), and a greater-than-unity ratio would imply unity tax-burden ratio would imply a regressive tax system (in terms of progressivity [see Table 6, columns (3) and (6)]. Thus, a smaller-than-Jewish/Arab tax-burden ratio may be viewed essentially as an index of tax tion of the income and resource differential between the two sectors, the tem had no redistributive effects at all. It can be seen that with respect to 1935/36 and its progressivity increased over time. income the overall tax system was progressive in both 1926/27 and The tax burden comparison enables us to characterize the Palestine tax

proportional in 1935/36, with a ratio of close to unity. Nevertheless, the is used as a proxy for the Jewish tax burden. In this case it is found that shown by the resource-related measure as well the system was regressive in 1926/27, when the burden ratio was 0.6, and general trend of increasing progressivity (or declining regressivity) is The picture is somewhat different when the share of taxes in resources

and the werko and to what appears to be a greater-than-unity income elas ture of 1926/27. This was due primarily to the declining weight of the tithe the 1930s had more progressive attributes than the traditional tax struc-(and there was no income tax at the time), the reformed tax structure of icity of demand for the taxed transactions and expenditures. Thus, although none of the existing taxes was intentionally progressive

GOVERNMENT EXPENDITURES III. THE INCIDENCE OF

contemporary studies; in order to analyze the incidence of expenditures. comparable studies have been conducted for the expenditure side of the however, new and independent estimates had to be derived, since no The analysis of tax incidence in the preceding section drew heavily on

and resource figures; Table 1 for the tax incidence Szereszewski (1968) p. 56, Gaathon (1978) pp. 23-24. Gross and Metzer (1978), p. 153 for the product

small in the government budget of the mid-1930s, Gaathon arrived at a of the economy of Palestine in 1936. Gaathon divided all government exdence of public expenditures either completely ignored the outlays on vestigation is ruled out. tially, so that the use of Gaathon's findings as a basis for the present in this understates the Jewish share in government services quite substantion, on closer scrutiny it becomes clear, as will be shown below, that use the assumption of uniform per capita distribution as a first approximation of Palestine's population between Arabs and Jews. Although one can percentage distribution of benefits which was quite similar to the distribucapita basis. Since the share of nationally earmarked expenditures was penditure not directly aimed at one of the national sectors on an equal per ture, i.e., that of Gaathon (1978) in his comprehensive quantitative study construct a complete estimate of the incidence of government expendiemployment-generating activities. There has been only one attempt to public works and other nonearmarked services or evaluated them only as Consequently, most of the contemporary attempts to quantify the inci-

Before we embark on the main discussion, some methodological remarks are called for. Apart from the conceptual and empirical difficulties of using the government's expenditures as a proxy for its output (the procedure adopted here) and of separating the value-added and intermediate components of the output, the allocation of government services between their beneficiaries encounters additional problems, the most important of which are connected with the incidence of general expenditures and services, primarily public goods, and with the incidence of investment outlays.8

As regards general and public goods expenditure, the major issue is how to distribute the benefits from these nonearmarked and often indivisible services. Economic theory provides no practical guidance, and students of public economics have applied a wide range of empirical allocative devices. The most widely used are population and income shares and the percentage distribution of all other expenditures among the groups

concerned (De Wulf, 1975). The approach I have adopted is a mixed one which has recourse to all three devices according to the nature of the expenditures involved: the sectoral shares of population were used to distribute expenditure on such items as defense and general public health income shares were employed for the distribution of the government's ju diciary and internal security services; and expenditures on general admin istration and interest on the public debt were distributed by the incidenc rates of all other expenditures (see the Appendix).

The rationale of this selection is that the spread of benefits from genera defense or public health services may be best approximated by a uniform per capita distribution, while the incidence of law-and-order service would seem to be more closely associated with the distribution of incommand wealth. This general reasoning is reinforced in the case of Palesting by the fact that; because of the national conflict and the balance of power between Jews and Arabs at the time, a large proportion—certainly much larger than the Jewish population share—of government expenditure or internal security was devoted to the protection of Jewish life and property. The justification for distributing expenditures on general and intradepartmental administration by the relative incidence rates of all other expenditure is that these outlays can be perceived as the running costs of the provision of government services.

As far as government investments are concerned, the main question is how good their current incidence is as a proxy of their benefits when realized. The answer to this question depends essentially on the validity of the implicit assumption that the distributive shares of the investment out lays remain stable during their gestation period. In view of the high proportion of the sectorally earmarked public investments in Palestine, and of the large extent of Jewish—Arab socioeconomic segregation, this assumption seems to be a plausible one in our case. Thus included in the incidence analysis are public investments as well as expenditures on current account.

In addition to these remarks, I should mention two more distributive devices which I have used (see the Appendix for more details). One is direct identification of sectoral incidence not only for nationally earmarked expenditures such as health and education grants, but also for expenditures of a more general nature, whose benefits could be identified along Jewish-Arab lines. Examples are the construction and maintenance of roads and the operation of agricultural stations in nationally homogeneous regions.

The second device was to allocate certain government expenditures between Jews and Arabs according to the sectoral shares in related aggregates. For example, I used the sectoral shares in Palestine's international trade in order to derive the incidence of public expenditures on construc-

tion and maintenance of port facilities and their feeder roads. Similarly I have divided hospital construction, maintenance, and hospitalization costs between the two communities by the proportion of their members in the hospital population.

For purposes of the quantitative analysis all government expenditures (except railroads and postal services, which are sold to users) were classified into four major functional categories: administration, internal security and defense, economic services, and welfare services. The economic services category was further subdivided into transport, agriculture, and other (mainly the generation and distribution of electricity, water supply, and land surveys). Welfare services were similarly subdivided into health and education. The figures are also classified by administrative origin, either the Public Works Department or the department concerned (the columns or lines labeled "Department" in the tables that follow). The cross-classification by function and origin is shown in Table 7.

The Public Works Department administered all expenditures on capital account, from infrastructure investment such as the construction of roads account, from infrastructure investment such as the construction of roads and harbors to the acquisition of office equipment for all government departments and institutions. In addition, the Public Works Department was responsible for the maintenance of all public infrastructure and government facilities. It can be seen that the proportion of public works in total expenditure was much higher in 1935/36 than in 1926/27 (33 percent compared with 20 percent). As can be seen in Table 7, this was due mainly to the rise in the weight of economic services and of investment expenditure originating in the Public Works Department (in both the economic and welfare services categories).

The incidence estimates are reported in Tables 8 (current £P) and 9 (percentages). The pattern that emerges is quite similar to the one observed on the revenue side, namely, that the absolute benefits to both Jews and Arabs rose with the 154 percent increase in government expenditure between 1926/27 and 1935/36, but that the total benefit to the Jews rose much faster (by 344 percent compared with 93 percent for the Arabs), so that the Jewish share of total budgetary expenditures rose from 25 percent in 1926/27 to 42 percent in 1935/36.

Although the change in the composition of expenditures was in the direction that favored the Jewish sector—chiefly through the rise in the weight of economic services—the Jewish share increased in every one of the expenditure categories, and it is this that is responsible for their increased share of the total rather than any change in composition. Particularly impressive was the ninefold increase in absolute benefits from govalration of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only about three and a half times in the other services (adminisfigure of only adminisfigure of only adm

r. Lt., 7 Composition of Government Expenditures 1926/27, 1935/36

					1926/27	•						1935/36			
		£P	Thousan	d		Perc	ent		£P	Thousan	d		Perc	cent	
		Depart- ment	Public Works	Total	Depart- ment	Public Works	Total	All Expend- itures	Depart- ment	Public Works	Total	Depart- ment	Public Works	Total	All Expend- itures
	Administration	385.4	39.2	424.6	90.8	9.2	100.0	27.9	<u>968.4</u>	105.3	1,073.7	91.2	9.8	100.0	<u>27.8</u>
	Internal Security and Defense	497.7	61.3	559.0	89.0	11.0	100.0	<u>36.8</u>	863.5	104.2	<u>967.7</u>	89.2	10.8	100.0	<u>25.1</u>
105	Economic Services: Agriculture Transportation Others	65.3 51.6	16.4 148.4 3.0	81.7 148.4 54.6	79.9 — 94.5	20.1 100.0 5.5	100.0 100.0 100.0	5.4 9.7 3.6	181.0 — 124.1	35.5 655.1 249.7	216.5 655.1 373.8	73.6 — 32.2	16.4 100.0 66.8	100.0 100.0 100.0	5.6 17. 0 9.7
	Total Economic Services	116.9	167.8	284.7	41.4	<u>59.9</u>	100.0	18.7	305.1	940.3	1,245.4	<u>24.5</u>	<u>75.5</u>	100.0	<u>32.3</u>
	Welfare Services: Education Health	126.3 91.7	. 13.1 21.7	139.4 113.4	90.6 80.9	9.4 19.1	100.0 100.0	9.4 7.4	239.4 194.6	108.8 28.0	348.2 222.6	68.8 87.4	31.2 12.6	100.0 100.0	9.0 5.8
	Total Welfare Services All Expenditures	218.0 1,218.0	34.8 303.1	252.8 1,521.1	86.2 80.1	13.8 19.9	100.0 100.0	16.6 100.0	$\frac{434.0}{2,571.0}$	136.8 1,286.6	570.8 3,857.6	76.0 66.6	24.0 33.4	100.0	14.8 100.0

Sources: Treasurer's Report 1938/39; Annual Reports of the Departments of Agriculture, Education, Health and Public Works for 1926/27 and 1935/36

Table 8. Incidence of Government Expenditures, 1926/27, 1935/36 (£P Thousand)

				926/27					19	35/36		
	Depa	rtment	Public	Works	То	tal	Depart	ment	Public	Works	To	tal
	Jews	Arabs	Jews	Arabs	Jews	Arabs	Jews	Arabs	Jews	Arabs	Jews	Arabs
Administration Internal Security and Defense	89.7 150.2	295.7 347.5	9.9	29.3 42.0	99.6 169.5	325.0 389.5	428.5 392.2	539.9 471.3	<u>47.7</u> <u>54.3</u>	<u>57.6</u> <u>49.9</u>	476.2 446.5	<u>597.5</u> <u>521.2</u>
Economic Services: Agriculture Transportation Others Total Economic Services	4.0 — 17.0 21.0	61.3 — 34.6 <u>95.9</u>	0.4 42.6 0.1 43.1	16.0 105.8 2.9 124.7	4.4 42.6 17.1 64.1	77.3 105.8 37.5 220.6	37.4 	143.6 58.9 202.5	9.2 362.3 121.0 492.5	26.3 292.8 128.7 447.8	46.6 362.3 186.2 595.1	169.9 292.8 187.6 650.3
Welfare Services: Education Health Total Welfare Services All Expenditures	15.0 15.8 30.8 291.7	75.9 187.2 926.3	0.5 3.6 4.1 76.4	12.6 18.1 30.7 226.7	15.5 19.4 34.9 368.1 468.8"	123.9 94.0 217.9 1,153.0 1,652.3"	45.7 58.6 104.3 1,027.6	193.7 136.0 329.7 1,543.4	4.8 6.5 11.3 605.8	104.0 21.5 125.5 680.8	50.5 65.1 115.6 1,633.4 1,773.8"	297.7 157.5 455.2 2,224.2 2,083.8

Note: "Overall incidence estimated on the basis of the resource distribution between Arabs and Jews. Sources: Table 7 and Appendix.

Table 9. Incidence of Government Expenditures 1926/27, 1935/36 (Percent)

				. *	1926/27					10 m 12 m		٠.		1935/36				
	L	Departme	nı	Pu	blic Wo	rks		Total		I	Departme	nt	P	ublic Wor	rks		Total	
	Jews	Arabs	Total	Jews	Arabs	Total	Jews	Arabs	Total	Jews	Arabs	Total	Jews	Arabs	Total	Jews	Arabs	Total
Administration	23,3	76.7	100:0	25.4	74.6	100.0	23.5	76.5	100.0	44.2	55.8	100.0	45.3	54.7	100.0	44.4	55.6	100.0
Internal Security		1.5			200													
and Defense	30.2	69.8	100.0	31.5	. 68.5	100.0	30.3	69.7	100.0	45.4	54.6	100.0	52.1	47.9	100.0	46.1	53.9	100.0
Economic Services:			·			٠., .						3.5				1		
Agriculture	6.1	93.9	100.0	. 2.2	. 97.8	100.0	5.3	94.7	100.0	20.6	79.4	100.0	25.8	74.2	100.0	21.5	78.5	100.0
Transportation	-		_	28.7	71.3	100.0	28.7	71.3	100.0		_:	_	55.3	44.7	100.0	55.3	44.7	100.0
Others	33.0	67.0	100.0	1.7	98.3	100.0	31.3	68.7	100.0	52.5	47.5	100.0	48.5	51.5	100.0	49.8	50.2	100.0
Total Economic Services	18.0	82.0	100.0	25.6	74.4	100.0	22.5	77.5	100.0	33.6	66.4	100.0	52.4	47.6	100.0	47.8	52.2	100.0
Welfare Services:	* *		4 14															
Education	11.9	88.1	100.0	3.7	96.3	100.0	11.1	88.9	100.0	19.1	80.9	100.0	4.4	95.6	100.0	14.5	85.5	100.0
Health	17.2	82.8	100.0	16.4	83.6	100.0	17.0	83.0	100.0	30.1	69.9	100.0	23.4	76.6	100.0	29.2	70.8	0.001
Total Welfare Services	14.1	85.9	100.0	11.6	88.4	100.0	13.8	86.2	100.0	24.0	76.0	100.0	8.3	91.7	100.0	20.3	79.7	100,0
All Expenditures	23.9	76.1	100.0	25.2	74.8	100.0	24.2 30.8"	75.8 69.2"	100,0 100.0	40.0	60.0	100.0	47.1	52.9	100.0	42.3 46.0"	57.7 54.0°	100.0

Note: *Relative incidence estimated on the basis of the resource distribution between Arabs and Jews. Source: Table 8.

services rose by only 69 percent. benefits from economic services barely tripled and the benefits from other

of the government's nonearmarked economic services. This was true both reflected in a rising proportion of Jewish benefits from the agricultural seromy, a pattern which enabled the Jews to benefit from a growing portion One was the growing weight of the Jewish sector in the Palestinian econernment economic services can be explained by two principal factors as a response, at least indirectly, to Jewish demand for these services. increasing the proportion of total expenditures going to economic services played a leading role in Palestine's economic development, one can view vices provided by the government. Moreover, since the Jewish sector for instance, the relative increase in Jewish agricultural production was in economic infrastructure, and at the more disaggregated industry level the government's response to the needs of the modernizing economy by at the aggregate level, where it applied to general government investments The striking absolute and relative growth of Jewish benefits from gov

excluding the general Public Works Department item in line 11 of Appendemonstrated by the internal breakdown of direct transport outlays (i.e., density of Jewish settlement and with its geographic expansion during the participation in the financing of their construction. in the newly settled regions, a demand which was backed up by Jewish ment's direct response to Jewish demand for an increase in road density reflect both the regional expansion of Jewish settlement and the governestimated by the distribution of income and international trade) came to port services (line 9 in Table A3, services whose sectoral distribution was ing Arab figures declining from 23.5 to 14.8 percent; the remaining transrose from 3.5 percent in 1926/27 to 12 percent in 1935/36, the correspond dix Table A3): regionally defined services received by the Jewish sector of transport services --- the major item in the economic category. This is period. These patterns had a very strong effect on the sectoral allocation 73 percent of direct transport outlays in both years. These developments The second explanatory factor is connected with the increase in the

per head. As can be seen in Table 10, this holds in every category except larger than the Arab outlays (see Table 10) and that in terms of the ture on the expenditure side is again similar to the one revealed by the entirely from the intersectoral allocation of education expenditures sector. Note, however, that the gap in per capita welfare services resulted 1926/27 and 1935/36, respectively, compared with 0.3 and 0.5 for the Arab welfare services, where Jewish per capita benefits (£P) were 0.2 and 0.3 in benefits per head from government services as well as paying more taxes Jewish-Arab ratio the gap was widening. Thus the Jews received more tax-incidence analysis, namely, that the Jewish per capita outlays were As far as government per capita expenditures are concerned, the pic

Fiscal Incidence and Resource Transfer in Palestine

Government Expenditures per Capita 1926/27, 1935/36 (£ P)

		1926/27	127		1935/36	136
	Jews (1)	Arabs (2)	Jewish Arab $Ratio$ $(3) = (1)/(2)$	Jews (4)	Arabs (5)	JewishlArab, Ratio (6) = $(4)/(5)$
Administration	0.7	0.4	1.5	1.4	0.6	2.3
Internal Security and Defense	:	0.5	2.2	1.3	0.6	2.4
Economic Services	0.4	0.3	1.5	1.8	0.7	2.6
Welfare Services	0.2	0.3	0.8	0.3	0.5	0.7
Total Expenditures	2.5	1.5	1.6	4.9	2.3	2.1
-	3.1	1.40	2,2"	5.3	2.2	2.4"

Note: " Figures based on the Jewish/Arab resource distribution

whereas the Jewish sector benefited from health services at a somewhat higher rate than warranted by its share of the population.

669). The different nature of government support and involvement in the those of the Department of Education. Gross and Metzer, 1978; Survey of Palestine, 1946, Vol. III, pp. 635dence of the educational outlays of the Public Works Department and two school systems is well illustrated by the difference between the incipervision and assisted by government grants. The Arab community, or maintained autonomous school systems, generally under government su-Arab-Jewish lines, more than any other government service. The Jews lic schools constructed, maintained, and operated by the government (see the other hand, was -- except for a few religious schools -- served by pub-The provision of educational services was completely segregated along

cent of the Public Works Department's educational expenditure in both maintenance of government schools and on providing them with the facili Jewish, it is not surprising that the Jewish share was no more than 4 perthe overwhelming majority of students in government schools were nonties and materials needed for their current educational activities. Since 1926/27 or 1935/36 The Public Works Department concentrated on the constuction and

ment's expenditure to be 12 percent in 1926/27 and 19 percent in 1935/36 ment schools and grants to nongovernment (primarily Jewish) schools. 10 tures, on the other hand, were wages and salaries to employees of govern These grants were sufficiently large for the Jewish share in the Depart-The most important items in the Department of Educations's expendi-

received significant financial assistance from the government, most of it as a lump-sum grant of £P9,990 to the schools belonging to or affiliated In fact, 1926/27 was the first year in which the Jewish school systems

to nongovernment schools, Jewish and non-Jewish alike. lated on the basis of a fixed per-pupil subsidy which the government paid independent (mostly religious) Jewish schools. The latter sum was calcuwith the Zionist Organization. Another small grant of £P998 was given to

the proportion of Jews in the entire population (26 percent) was much and Arabs in this age group, 19.2 and 80.9 percent, respectively, whereas 80.4 percent to the Arabs) did indeed conform with the proportion of Jews tribution of the department's expenditures (19.6 percent to the Jews and namely, their shares in the 5-15 age group. In 1935/36, the percentage diswhole of the Department of Education's outlays between Jews and Arabs. In 1930 the government introduced a new criterion for allocating the

in the Jewish than in the Arab sector. The gap was even wider for total educational outlays (i.e., including those of the Public Works Departcaused the Department of Education's per-pupil expenditure to be lower percent of the school-age population, while the Arab rate did not exceed 31 percent, the allocation of educational funds by age-group proportions Since the Jewish elementary-school attendance rate was virtually 100

educational expenditure per pupil in the Jewish sector (including that of pupil outlay in the two national communities. Assuming that attendance expenditures are added to provide an inclusive comparison of the pergrowth of Zionist educational expenditure and not by cuts in the rate of that the decline in the gap between the two years was caused by the slow ment of Education) was more than double the corresponding figure for the rates were about the same in 1926/27 as in 1935/36, it is found that total government assistance granted to Jewish schools (see Gross and Metzer. Arab sector in 1926/27 and about the same in 1935/36 W should be noted the Zionist Organization, the Public Works Department, and the Depart-The picture changes substantially, however, when Zionist educational

extent viewed Zionist expenditure—both investment and current outlays educational resources between the two sectors, the government to a large —as a substitute for its own expenditure. On the basis of these observations it can be inferred that, in allocating

these services—chiefly in the area of public health—were of a public-goods type whose benefits certainly crossed national lines. The proportration12) of this type was by no means negligible, no less than 22 percent tion of government health expenditures (other than departmental administhe two sectors." This was in the first place due to the fact that part of and use, government health services were much more integrated between in 1926/27 and 24 percent in 1935/36, and they are thus allocated between In contrast to the segregation of educational services by both allocation

> days, a percentage that was somewhat higher than the Jewish share of the community accounted for about 18 percent of the total number of hospita provided by government hospitals and clinics. Thus in 1926/27, the Jewish population, 16.5 percent, in that year. This relatively high rate of utilizatrast with government schools, Jews made extensive use of the services Jews and Arabs by the respective population shares. Second, and in con mand could only be partly satisfied by the limited capacity of the Jewish (probably above unity) income elasticity of demand for them. This decentration of these services in urban areas, on the one hand, and by a high tion of government health services may have been generated by the connealth services at the time.

creasing income effect on the demand side—and on the supply side an government health facilities. The latter trend may have reflected an intutions of the Jewish community and to the increase in Arab utilization of crease in the volume of services provided by the autonomous public instirelative growth of both Jewish population and income was due to the intotal hospital days, an order of magnitude quite similar to that of 1926/27 increase in government investment in health facilities in rural, primarily Arab-populated, districts. That the proportion remained more or less constant in spite of the fast In 1935/36, the Jewish hospitalization share was about 20 percent of

of the Health Department. much the same relative expenditure incidence, but in 1935/36 the 77. sectoral shares in the health expenditures of the Health Department and cilities) was about 7 percentage points above the Arab share in the outlays percent Arab share in the Public Works Department's health outlays the Public Works Department. In 1926/27, the two departments had pretty (which were primarily for the construction and maintenance of health fa The supply shifts are well-illustrated by the widening gap between the

of administrative health expenditures in 1926/27 but only 39 percent in sisted of health services provided exclusively for or used mainly by the sector in the form of a grant to Jewish hospitals. The remaining third contwo-thirds of the total earmarked outlay of £P29,304 went to the Jewish about 39 percent of total nonadministrative health expenditure. About tween sectors by the sectoral hospitalization rates) came to 72.9 percent the sectorally earmarked services and subsidies, which also came to 1935/36 (see Table A4). In the latter years, an equally important item was The hospital- and clinic-related expenditures (which are distributed be

cation services could, as indicated above, be in part attributed to the difother contributory factor, which is not entirely independent, may have terent degree of national segregation in their provision and utilization. An-To summarize, the difference between the incidence of health and edu-

Table 11. The Share of Government Expenditures in Net Product and Resources 1926/27, 1935/36 (Percent)

and h	cesoure	Ses 192	and Resources 1920/2/, 1999/90 (1 Crecut)	(10100) HE)	
		1926/27	77		1935/36	6
	Jews (i)	Arabs	JewishlArab Ratio (3) = (1)/(2)	Jews (4)	Arabs (5)	Jewish/Arab $Ratio$ $(6) = (4)/(5)$
Expenditure Shares n Net Product						
Administration Internal Security and	2.2	3.6	0.6	2.6	3.6	0.7
Defense	8	4.3	0.9	2.5	3.2	0.8
Economic Services	1.4	2.4	0.6	ų.	4.0	0.8
Welfare Services	0.8	2.4	0.3	0.6	2.00	0.2
All Expenditures Expenditure Shares	8.2	12.7	0.6	9.0	35	0.7
in Net Resources All Expenditures	4.8	11.6	0.4 -	6.0	12.7	0.5
				ĺ		

Sources: Tables 6, 8.

been the fact that the Zionist Organization spent much more on education than on health (see Gross and Metzer, 1978). This was by itself likely to make the potential substitution between government and Jewish public services much more effective in the area of education than in the area of health

As in the case of taxes, government expenditure was found to be progressive with respect to income. This is revealed by the smaller-than-unity Jewish/Arab benefit-in-income ratio (see Table 11). Unlike in the case of taxes, however, the degree of expenditure progressivity changed very little between 1926/27 and 1935/36, and this was true of both income-based and resource-based progressivity. In order to determine the net redistributive effects of the government's fiscal system, the tax and expenditure incidences have to be combined; this is done in the next section.

IV. NET FISCAL INCIDENCE AND JEWISH-ARAB INTERSECTORAL RESOURCE FLOW

Net fiscal incidence is a measure of the combined effect of taxes and public expenditure on income distribution. It is derived by substracting the taxes each group pays from the government services it gets. The net incidence will be positive for sectors which are net beneficiaries of govern-

ment resources, negative for those who are net contributors to government resources. 13

Fiscal Incidence and Resource Transfer in Palestine

Under conditions of balanced domestic budgets, the sum of the positive net incidences will obviously equal the sum of the negative ones. In a two-sector setup the net sectoral fiscal incidence will thus provide a direct measure of the unilateral transfer of resources from the contributing to the beneficiary sector.

In Palestine, however, the government generated large budgetary surpluses in both 1926/27 and 1935/36 (£P258,500 and £P929,400, respectively). The result was that while the Jewish sector was a substantial net contributor to the government budget, the Arab net benefits from it were quite modest. The net fiscal incidence figures (excluding surplus) are reported in Table 12. It may be seen that the net Jewish contribution to the budget (for the income-based estimates of the expenditure incidence) increased significantly from £304,500 in 1926/27 to £P1,424,300 in 1935/36. However, owing to the fast income growth enjoyed by the Jewish community during that period, the burden generated by the negative net incidence rose only slightly, from 6.8 percent of Jewish income in 1926/27 to 7.8 percent in 1935/36. The resource-based net incidence burden (£P203,-600 and £P1,238,300 in 1926/27 and 1935/36, respectively) was both absolutely and relatively lower; but since Jewish resources grew more slowly than income, the resource-based relative burden rose faster (from 2.1 to 4.4 percent) than the income-based burden.

The small order of magnitude of the benefits to the Arab sector is particularly evident in 1926/27, when they came to no more than £P46,000 or 0.5 percent of income. Moreover, when the benefits are calculated on the basis of the resource distibution, the Arab sector becomes a net contributor (£P54,800 or 0.6 percent of income) in 1926/27. In 1935/36, the Arab net incidence was substantially greater both absolutely (£P494,900 and £P354,400 for the income-based and resource-based estimates, respectively) and relatively, even though the relative figures are still no more than 3 percent of income and 2.2 percent of resources.

The redistributive effects of the fiscal system are reflected in the income and resource distributions and in the Gini inequality coefficients presented in Table 13. The immediate inference that can be drawn from them is that the government's fiscal activities did not lead to much reduction in inequality in either the income or the resource distribution between Jews and Arabs. This had to do primarily with the small proportion of both taxes and expenditures in the economic aggregates of the two sectors.

Although small, the budget's inequality-reducing effects were much more noticeable in 1935/36 than in 1926/27, entirely a result of the rising progressivity of the tax system. The progressivity of government expenditures, on the other hand, remained essentially the same between the two

		1926127	(127			193	1935/36	
	Net of Budgetary Surplus	idgetary ilus	Including Budgetary Surplus	Budgetary olus	Net of Budgetary Surplus	dgetary lus	Including Budgetary Surplus	Budgetury plus
	Jeivs	Arabs	Jews	Arabs	Jews	Arabs	Jews	Arubs
9	(~) 304.5	(+) 46.0	(-) 241.9	(+)241.9	(-) 304.5 (+) 46.0 (-) 241.9 (+) 241.9 (-) 1,424.3 (+) 494.9 (-) 1,031.2	(+) 494.9	(-) 1,031.2	(+) 1,031.2
Resource-Based Estimates (£P Thousand) Share of Fiscal Incidence in Net Product	(-) 203.6	() 54.8	(-) 124.0	(+)124.0	(-) 1,283.8	(+) 354.4	(-) 856.3	(+) 856.3
(Percent) Share of Fiscal Incidence in Resources	(-) 6.8	(+) 0.5	(-) 5.4	(+) 2.7	(-) 6.8 (+) 0.5 (-) 5.4 (+) 2.7 (-) 7.8 (+) 3.0 (-) 5.7	(+) 3.0	(-) 5.7	(+) 6.3
(Percent)	(-) 2.1	(-) 0.6	(-) 1.3	(+) 1.4	(-) 4.4	(+) 2.2	(-) 2.1 (-) 0.6 (-) 1.3 (+) 1.4 (-) 4.4 (+) 2.2 (-) 2.9 (+) 5.2	(+) 5.2
Note: "Net contribution (-), net benefit (+).								

			192	926/27					193	935/36		
		Income	16		Resources	ces		Інсоте	e		Resources	res.
	Income Distribution (Percent)	ne tion mt)		Resource Distributio (Percent)	Resource Distribution (Percent)	و	Inc Distri (Per	Income Distribution (Percent)	2	Resu Distri (Per	Resource Distribution (Percent)	
	Jews ,	Arabs	Ginu Coefficient	Jews Arabs	Arabs	Coefficient	Јењѕ	Jews Arabs	Coefficient	Jews	Arabs	Coefficient
Net of Government	0 15	67.0	0.165	51.6	48. 48.	0.351	52.5	47.5	0.264	64.2	35.8	0.381
Tax Effect Only Net Fiscal Incidence (Tax		67 7	0.158	53.0	47.0	0.365	50.7	49.3	0.246	64.2	35.8	0.381
and Expenditure) Effects: Net of Budgetary Surplus	31.4	68.6	0.149	51.2	48.8	0.347	49.7	50.3	0.236	62.6	37.4	0.365
Including Budgetary Surplus	31.2	68.0	0.147	50.9 · 49.1	49.1	0.344	49.5	50.5	0.234	62.3	37.7	0.362

sources (which represent the tax redistributive effects) and those related tween the inequality coefficients pertaining to disposable income or reto the total, net fiscal incidence effects. years. This can be inferred from the virtually constant differences be

supply was determined solely by the amount of pounds sterling at the disgovernment fiscal system. In order to derive an estimate of such a transfer would also measure the intersectoral resource transfer generated by the ernment was not permitted, nor did it have the necessary monetary facilipluses in mandatory Palestine have to be made. However, two relevant ties, to conduct an independent monetary policy. The Palestine money historical facts should first be mentioned. One is that the mandatory govin our case, some assumptions about the ultimate use of budgetary surabout 94 percent of government's accumulated domestic expenditures. is that over the entire mandate period accumulated tax revenue covered ernment finance was domestic or foreign loans. The second relevant fact mestic monetary expansion, and the only legitimate nontax source of govthem to Palestine pounds. Thus fiscal deficits could not be financed by doposal of the government and the residents of Palestine and converted by As noted above, in a balanced budget economy, the net fiscal incidence

£P1,031,200 in 1935/36 can be interpreted as the combined effect of govabove. The resulting income-based figures of £P241,900 in 1926/27 and surplus thus allocated to the Jewish and Arab sectors (obviously both posto the sectoral expenditure incidence in the two years. The shares of the when they occurred. In addition, I have assumed that in 1926/27 and pluses were used by the Palestine government to finance deficits in years view, the additional expenditures are similar to investment outlays whose cludes also the subsequent expenditure out of deficits assumed to have ernment taxes and expenditure on each sector, where expenditure initive) were then added to their respective net fiscal incidence as calculated benefits are expected to be realized at a later period. been financed by the 1926/27 adn 1935/36 surpluses. According to this 1935/36, the surpluses were distributed between the two sectors according Based on these facts, it seems reasonable to assume that budgetary sur-

creasing from 1.3 percent to 2.9 percent only in terms of resources. Relacome, the Jewish burden, including the surplus, remained essentially the of surplus fiscal incidence (see Table 13). However, as a percentage of intive Arab benefits from the transfer rose appreciably, however, from 2.7 same in both years (5.4 percent in 1926/27 and 5.7 percent in 1935/36), inbutive effects of these transfers were about the same as those of the netthe Arab sector via the government in 1926/27 and 1935/36. The redistrialso a measure of the amount of resources transferred from the Jewish to to 6.3 percent of income (from 1.4 to 5.2 percent of resources), owing to The figures of the overall fiscal effects (including surplus) are obviously

> less, the effects on each sector's absolute and relative income were quite the slower growth rate of the Arab economy during the period. Neverthe-

nomic relations between Jews and Arabs in Palestine, as reflected in the The large weight of fiscally initiated resource transfer in the overall eco-

intersectoral balance of payments, stands in sharp contrast to these small

of the resource distribution (£P856,300) the percentage of the transfer in transfer is no less than 42.3 percent of this. When calculated on the basis trade thus came to £P2,435,000 in 1936, and the income-related fiscal chases from the Jewish sector came to £P796,000. Total intersectoral cluding land) from Arabs amounting to £P1,639,000, while Arab pursented in Table 14. In that year, Jews purchased goods and services (intotal Jewish-Arab trade was somewhat lower, 35.2 percent, but still sub-Gaathon's estimated Jewish-Arab balance of payments for 1936 is pre-

An alternative way of examining the figures is by looking at the weight of the fiscal transfer in the total flow of income from the Jewish to the Arab sector (including both payments for goods and services purchased substantial weight in Jewish-Arab economic relations in the mid-1930s is mates), it can be conjectured that the finding that the fiscal transfer had a war years (for which we unfortunately have no balance-of-payments estitive order of magnitude was not significantly different in the other interbased and resource-based transfers, respectively. Assuming that the relaand unilateral transfers). This was 38.6 and 39.3 percent for the incomerepresentative of most of the interwar period. If this is so, it reflects the

Table 14. Balance of Payments Between the Jewish and the Arab Sector, 1936 (£ P Thousand)

C		₩	٠.			ć				>	ĺ
Total Excess of A over B	Industrial products including electric current Services of liberal professions and of qualified workers	Purchases by Arabs from Jews:	Payment of wages at the ports	Payment of wages for Arab labor in agriculture	Payment of rent by Jews to Arab landlords	Building material	Organic fertilizer	Goods: Agricultural products for consumption	Land	A. Purchases by Jews from Arabs:	
	25	771	Ç	15.0	600	200	3	7 6	600	150	
843	796		1,639								

Source: Gaathon (1978), p. 19.

comparison with their overall economic activity; moreover, it indicates about by a third party—the mandatory Government of Palestine. that a major component of the interaction was involuntary and brought low level of economic interaction between the two national sectors in

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but the degree of progressivity as measured by the Gini coefficients did not change between 1926/27 and 1935/36. As regards tax incidence, the inequality-reducing effects of the tax incidence increased between the two the resource distribution. Unlike the expenditure incidence, however, the come but regressive in 1926/27 and proportional in 1935/36 with respect to tive characteristics of the Palestine fiscal system. It was shown that the picture is mixed. It was progressive with respect to the distribution of inincidence taken separately as well. Government expenditure was come (and high-resource) Jewish sector to the low-income Arab sector government brought about a net transfer of resources from the high-inprogressive with respect to the distribution of both income and resources, between the two national communities. This is true for the expenditure This, obviously, implies that the fiscal system as a whole was progressive The analysis in the preceding sections has dealt with the major redistribu

and resources between 1926/27 and 1935/36. of the government's economic services, thereby offsetting the decline in economy, on the other. The former made for greater reliance on the "abil dualism (coinciding with the national dualism) of Palestine's developing the percentage of administrative and welfare services in Jewish income tively modern and fast growing Jewish sector to benefit from a rising share ity to pay" in the country's tax structure, while the latter enabled the relation of the tax structure, on the one hand, and with the socio-economic These findings are consistent with the government-induced moderniza

the binational structure and destiny of Palestine. ticularly important because they reflect the attitude of each side toward views of the parties concerned with respect to the fiscal incidence are parregarded by contemporaries as highly significant. For the historian, the cal) implications of the redistributive characteristics of the system were est. Nevertheless, the political (or what may have been viewed as politieach sector's aggregate economic activity and resources was quite modwas a major component in Jewish-Arab, economic relations, its weight in It was also shown that although the fiscally generated resource transfer

On the basis of the findings of this study, two different—though interre-

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different political objectives and convictions? diture distribution? The second question is normative: how did the Jews. square with contemporary assessments of the intersectoral tax and expen-Palestine's fiscal system. One is a positive question: how do our findings lated—questions should be asked with regard to the political economy of the Arabs, and the government evaluate the fiscal system in view of their

some dispute about the incidence of particular taxes, such as the Arab was generally accepted by all the parties. tection they give, but the aggregate finding that Jews contributed about 40 idea of the order of magnitude of the tax incidence. There may have been percent of all government tax revenue in the late 1920s and early 1930s claim that tariffs benefited the Jewish sector because of the industrial pro-As regards the factual-positive aspect, contemporaries had quite a good

to the nationally earmarked expenditures in the areas of health, education, and transport (i.e., government built roads in Jewish vs. Arab reof expenditures. The Jews regarded the issue as empirically relevant only public works. gions) and to the national distribution of employment in governmenta No similar agreement existed, however, with respect to the incidence

equal per capita expenditure for both Jews and Arabs, was significantly sector was thus created by the government fiscal system (see Hoofien but its implied order of magnitude, based on the erroneous assertion of existence of such a transfer was evidently correct in view of our findings. 1930; Margalit, 1931; Gaathon, 1978). The general conclusion about the tion share and that a net resource transfer from the Jewish to the Arab Jews did not benefit from government services in excess of their popula of contemporary Jewish publicists, politicians, and scholars was that the tributive considerations or assumed to be uniformly distributed among all frastructure, and other economic services were either excluded from dishe inhabitants of Palestine. Based on these notions, the usual assessment General expenditures in administration, internal security, defense in

by Jews to public revenue, whether assumed or factual, be set off agains of the Jews." Making these assertions Abcarius goes on to ask with re by "the 'National Home' policy laid down by Great Britain at the reques as unemployment reducing public works, or security problems generated ernment expenditures was done as a result of either Jewish pressure, such Propaganda (1947), in which he claims that a significant part of the govmarized by Abcarius in his book Palestine Through the Fog of mental outlays as Jewish by their very nature. This position is best sum diture incidence. They viewed a good part of the nonearmarked govern spect to the implied fiscal transfer: "Should not any larger contributions The Arabs, on the other hand, had a different perception of the expen

such additional expenditure, unnecessary but for the [National Home] policy pursued?" (Abcarius, 1947, p. 184).

Abcarius did not support his views with any quantitative evidence and thus made no explicit claims about the size of the net intersectoral resource transfer; however, the order of magnitude which he seems to have had in mind was most probably much lower than the transfer estimated above. This inference is based first on the fact that Jewish employment in government public works never exceeded the Jewish population share and second on the evidence that the percentage of public security in total expenditures was (in the mid-1930s) significantly lower in Palestine than in the other British-controlled countries in the Middle-East, Iraq and Trans-Jordan (see Jewish Agency, 1936, pp. 263–267). Thus serious doubts are raised about the validity of Abcarius' classification of Jewish expenditures and its implications for the intersectoral transfers.

Significant as they may have been, however, the differences between the parties with regard to the facts of the government's fiscal incidence were minor in extent and importance compared with the normative disagreement with respect to the redistributive features of the system.

The general Jewish attitude towards the government's public finance was based on the notion that the Jewish community was a separate political and socioeconomic entity segregated from the non-Jewish inhabitants of Palestine (Metzer, 1978). This fundamental Zionist notion, which was accepted by the British government in its 1917 Balfour Declaration, was later incorporated in the League of Nations Covenant when Britain was granted the mandate for Palestine in 1922. Article 2 of the mandate explicitly "vested in the Mandatory the responsibility for placing the country under such political administrative and economic conditions as will secure the establishment of the Jewish National Home, as laid down in the preamble, and the development of self-governing institutions, and also for safeguarding the civil and religious rights of all the inhabitants of Palestine, irrespective of race and religion" (Government of Palestine, 1947, p. 2).

The separatist notion, coupled with international and British recognition of a Jewish body politic in the making, implied—from a Zionist point of view—that the fiscal responsibility of the government was to provide public services to the Jews at a level comparable with the taxes collected from them; or, to put it differently, that the Jewish tax incidence should be based on the "benefit principle" of public finance (see Hoofien, 1930; Sitchin, 1945; Morag, 1967, pp. 10–11).

Since government expenditures were assumed to be uniformly distributed on an equal per capita basis among all the inhabitants of Palestine, Jewish public opinion viewed the population percentage of the Jews to be also their appropriate and fair percentage share in government tax revealso their appropriate

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nue. This not being the case, as was well recognized in contemporary tax incidence studies, the Jews focused on the expenditure side. They constantly demanded a larger share of employment in public works, as well as an increase in their share of nationally earmarked public services and grants (Ettingen, 1929; Von Weisel, 1926). The purpose of these demands was to close, or at least to narrow, the gap between Jewish relative tax incidence, and (what they considered to be) relative expenditure incidence.

In the introduction to his tax-incidence study for 1934/35 Gurevicl states that:

while agreeing with the view that the burden of taxation borne by every individual should be in relation to his ability to pay, the Jewish Agency is of the opinion that the amounts contributed by the Jewish community as a whole should be taken in consideration with respect to some, or all of the items of the government expenditure. Under the present system the Jewish Agency and the Jewish Yishuv [the organized Jewish community in Palestine] are called to perform certain functions which are true government functions and are so carried out by the government with respect to the Arab population such as health and education services (Gurevich, 1936, p. 3: italics in source).

The interesting point in Gurlvich's argument is that he accepts the equity-oriented principle of the "ability to pay" in allocating the tax burder at the individual and intrasectoral levels but he rejects it as a tax-distributing criterion at the Jewish-Arab intersectoral level. He does so on the basis of the existence of an autonomous Jewish public sector, which was one of the practical implications of the Zionist separatist approach to the binational structure of Palestine.

Based on this approach, Jewish public opinion referred to the actual fiscally generated transfer of resources to the Arab sector as a justification for demanding changes in government budgetary incidence, on the one hand, and, on the other, as an indication of the Jewish contribution to Arab economic development and material welfare which was forcefully claimed in contemporary Jewish publicist writings (see Hoofien, 1930) Horowitz and Hinden, 1938).

The Arabs' position with regard to the tax distribution was completely different, and they unequivocally supported the ability to pay principle, as Abcarius states explicitly:

wealthier classes in any well-ordered community pay more in taxes than their less fortunate compartiots, while governmental expenditure is so directed as to produce the greatest possible degree of well-being among the population as a whole. In the process, governmental expenditure achieves, in effect, a certain redistribution of the national wealth in favor of the poorer classes (Abcarius, 1947, pp. 183-184; italics in original).

his position was obviously based on a nonseparatist approach to the reations between the government and the inhabitants of Palestine both as idividuals and as members of two distinct national communities.

As for the government, its basic fiscal principles were closer to the trab position, as the following official statement indicates: policy was to e "guided by the revenue requirements of the country as a whole" and tot

distinguish the separate contributions made to revenue, and the separate benefits received from its expenditure, by the Arab-Jewish and other categories of the population. . . . The distinction of fiscal contributions and benefits, . . . is illegitimate in any fiscal system which seeks to follow the principle that the individual's contribution to the general revenue should be proportional to the income and property which the existence of an ordered community enables him to obtain and enjoy (Survey of Palessine, 1946, Vol. II. p. 570).

This statement reveals the clear intention on the part of the government to naintain a proportional tax system, but the appropriate parameter by which proportionality was to be determined remains unclear. Was it the listribution of resources between Arabs and Jews—according to which the tax structure became proportional only in the mid-1930s? Or was it the lomestic income distribution by which the system was found to be progressive (between the two national sectors) all along? In either case, one can conclude that the characteristics of the tax incidence were generally consistent with the government's concern about overall equity across national lines. This concern was also explicitly expressed in their stristish partition plans of 1936, in which it was proposed that the Jewish state to be formed in part of Palestine should provide a continuous flow of grants-in-aid to the prospective Arab state in order to compensate for the loss of the net transfer generated by the fiscal system of the mandatory government (Partition Commission Report, 1938, pp. 179-246).

These general fiscal attitudes also reflected the gradual British retreat, in the late 1930s, from the original Jewish National Home concept, and its replacement by a vague idea of a unified, neither Jewish nor Arab state, put forward in the White Book of 1939 (Zionism and the Arab Question, 1979, p. 169). However, when it came to practical considerations having to do with particular individual taxes or expenditure categories, the government could not disregard the particularistic interests and rivalry be-

tween the two national communities. The constraints imposed by this rivalry were explicitly recognized by the government, as the following

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quotation clearly indicates:

Needless to say, while the Jews demand greater expenditure on communications for their colonies, Arab witnesses attributed the neglect of Arab villages to the development of feeder roads in Jewish settlements. Here as in many other cases, the removal of an Arab grievance creates a Jewish grievance and vice versa (Royal Commission Report, 1937, p. 169).

Prominent examples of how the government accommodated its polic to the national interests were its postponement of the introduction of the income tax and its agreement to conduct a tax-incidence study in 1931 i order to provide factual background for the evaluation of Jewish demand to increase their employment in government public works. Recognition the prima facie validity of these demands was expressed in a letter from Ramsay MacDonald, the British Prime Minister, to Chaim Weizmann President of the Jewish Agency:

With regard to public and municipal works falling to be financed out of public funds; the claim of Jewish labour for a due share of the employment available, taking into account Jewish contributions to public revenue; shall be taken into consideration (letter of February 13, 1931, quoted in Memorandum submitted to the Royal Comnission, 1936, p. 231).

This statement, as a practical guideline, stands in some contradiction the general equitable ability-to-pay principle and in any case demo strates the political difficulties in applying this principle to mandatory Presting

The Palestine Royal Commission of 1937 identified the problem ve clearly in its report by stating that Jewish Nationalists

demand, too, that Government grants for public services should be shared between Arabs and Jews in strict proportion to their numbers, and, since Jews provide proportionally more revenue, the claim seems logical, but in fact it runs counter to one of the two principles. Either it repudiates the basic idea of public finance in the democratic world—that the rich should be taxed to meet the needs of the poor—or it denies or ignores the theory that Arabs and Jews are members of one Palestinian society (Royal Commission Report, 1937, pp. 119–120).

It was indeed the latter theory that the official Zionist position rejects Since the Arabs continued to be a majority of the population, though by declining margin, and in view of their uncompromising opposition to Jewish national-collective existence in Palestine¹⁵ (Zionism and the Araguestion, 1979, pp. 163–172), for the Zionists to accept the ability-to-p

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principle and by implication the homogeneous society postulate would have been tantamount to abandoning the National Home as an objective. It was precisely for this reason that the Arabs gave wholehearted support to the equity-oriented approach to government fiscal policy.

Thus, because of its political implications, a redistributive fiscal system that would seem to have been a sound one for a typical developing dual economy was met with sharp disagreement and resentment in the nationally divided dualistic economy of mandatory Palestine.

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NOTES

- The study is confined to budgetary activities: it excludes paid-for services such as railroad transport and posts and telegraphs. These are assumed to have been financed by users' fees and are thus not a channel of intersectoral resource transfer.
 Years of violent outbursts were 1921, 1929, 1936–1939, and 1947.
- 2. Years of violent outbursts were 1921, 1929. 1936-1939, and 1947.
 3. This assumption relies on existing partial information on the Arab sector and the intersectoral relations in Palestine from which it can be inferred that in the period between the mid-1930s and the mid-1930s the Arab economy experienced fast and vigorous growth (see Abramowich and Guelfat, 1944). An alternative extreme, though very unrealistic, assumption would be that the Arab economy did not grow at all between 1926/27 and 1935/36. This would reduce the Jewish share in Palestine's domestic product to 23 percent in 1926/27, However, this change in sectoral distributive shares would have only a moderate effect on the net fiscal incidence and very little on the percentage of net incidence in each sector's income and resources (see Appendix Table A5).
- 4. The ensuing discussion of Palestine's tax structure draws heavily on Morag (1967, pp
- 1-40) and to some extent on Granovsky (1933).
 5. The argument against the income tax was that the Jews would end up paying a disproportionate and unjustifiably high share of the proposed tax because they were the modern, urban, and market-oriented sector from which income taxes could easily be collected. On the other hand, it would be difficult to collect income tax from the traditional Arab sector, so the argument went, because of the lack of proper records and well-documented market transactions. (See Ruppin, 1932; Margalit, 1931.)

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 The attitude of contemporaries toward tax and expenditure incidence will be elaborated on in the final section of this essay.

7. I have also used this approximation in an earlier study on public finance in the Jewish conomy (see Gross and Metzer, 1978).

8. For a detailed discussion of the methodological issues related to incidence studies, see De Wulf (1975).

9. It turns out that the net fiscal incidence figures are only moderately affected by the method chosen for allocating the expenditures on law and order: see Appendix Table A5. 10. The following discussion of public education, attendance rates and expenditures of the government department of education is based on the information contained in Education

Reports (1926/27, 1935/36) and Survey of Palestine (1946, Vol. III, pp. 635-669).

11. The discussion and data of the government health services and their incidence relies on Health Reports (1926/27, 1935/36) and on Survey of Palestine (1946, Vol. III, pp. 609-

12. Most of the health expenditures (81.7 percent in 1926/27 and 61.6 percent in 1935/36) were for general administration and were allocated between Jews and Arabs according to the incidence of the specific expenditures; see Appendix Table A4.

13. This procedure implicitly assumes that the marginal utility of a pound paid in taxes is equal to the marginal utility of a pound's worth of government services (expenditures) received. This assumption is conceptually somewhat questionable because of the involuntary nature; on the individual level, of both government taxes and services. In the context of mandatory Palestine, however, where the issues were never whether government services were desired but whether enough of them were provided to Jews or Arabs, the conceptual problems stemming from the violation of consumer sovereignty seem to be of minor impor-

14. The income-based net transfers implied by the equal per capita expenditures would be £P378,800 in 1926/27 and £P813,000 in 1935/36. These upward biased figures exceed the transfers estimated here by 57 and 76 percent, respectively.

15. On the other hand, even the most extreme Jewish position always incorporated recognition of some form of collective Arab rights in the Jewish state-to-be (see Zionism and the Arab Question, 1979).

REFERENCES

A. Archival Sources

Gurevich, David (1932), "Jewish Contribution to the Government Revenue." Central Zionist Archive, S'53/1538a (mimeograph).

(1936), "Taxation of the Jewish Community, 1934/35." Archive of the Jewish Agency's Economic Research Institute (mimeograph).
"Memorandum by the Treasurer on Jewish Contribution to Public Revenue" (1932). Central

B. Official Publications

Zionist Archive S'53/1536a (mimeograph).

Great Britain, Palestine Partition Commission Report (1938), London (referred to in text as Partition Commission Report).

———, Palestine Royal Commission Report (1937), London (referred to in text as Royal Commission Report)

Jewish Agency for Palestine (1936), Memorandum Submitted to the Palestine Royal Connission on behalf of the Jewish Agency for Palestine, London.

mission on behalf of the Jewish Agency for Palestine, London.
——, Department of Statistics, Statistical Handbook of Jewish Palestine (1947), D. Gurevich, A. Gertz, A. Zanker (eds.), Jerusalem (referred to in text as Statistical Handbook).

Palestine, Blue Books (1927-1937), Jerusalem (referred to in text as Blue Books). ture Reports). Department of Agriculture, Annual Report, Jerusalem (referred to in text as Agricul-

tion Reports). Department of Education, Annual Report, Jerusalem (referred to in text as Educa-Department of Health, Annual Report, Jerusalem (referred to in text as Health Re-

Reports). Department of Public Works, Annual Report (referred to in text as Public Works

under the Mandate, Jerusalem (referred to in text as Government of Palestine). Office of Statistics, Statistical Abstructs of Palestine, Jerusalem, annual issues (re-Government of Palestine (1947), Memorandum on the Administration of Palestine

Vital Statistics) Office of Statistics, Vital Statistics Tables (1947), Jerusalem (referred to in text as

ferred to in text as Statistical Abstracts).

Government, Jerusalem, annual issues (referred to in text as Treasurer Reports). Committee of Inquiry, 3 vols., Jerusalem (referred to in text as Survey of Palestine).

—. Palestine, Report by the Treasurer on the Financial Transaction of the Palestine A Survey of Palestine (1946) prepared for the information of the Anglo-American

Books and Articles

Bachi, Roberto (1974), The Population of Israel. Jerusalem. Abcarius, M. F. [n.d. (1947)] Palestine Through the Fog of Propaganda, London, Abramowich, Z., and T. Guelfat (1944), The Arub Economy in Palestine and the Midenstern Countries. Tel Aviv: Hakibitz Hameuchad (Hebrew).

Ettingen, S. (1929), "Public Works in Palestine." Palestine and Neur East Economic Maga-De Wulf, Luc (1975), ''Fiscal Incidence Studies in Developing Countries: Survey and Cri-International Monetary Fund Staff Papers 22: 61-131.

Gaathon, A. L. (L. Gruenbaum) (1978), National Income and Policy in Palestine, 1936, 2nd parts and critical comments.] Jerusalem: Bank of Israel. ed. [Facsimile of the first edition (1941) with the addition of the originally unpublished zine (Nov.): 463-477,

Granovsky, A. (1933), The Tux System in Pulestine. Jerusalem: Jewish Agency (Hebrew): Gross. Nachum T., and Jacob Metzer (1978), "Public Finance in the Jewish Economy in Vol. 3. Greenwich, Conn.: JAI Press Inc. Interwar Palestine." Pp. 87-159 in P. Uselding (ed.), Research in Economic History,

Hooften, E. S. (1930), "The Blessing of Immigration." Commerce and Industry 8: 86-108 lintichs, Hanley H. (1966), A General Theory of Tax Structure Change During Economic Development. Cambridge, Mass.: Harvard Law School.

Horowitz, David, and Rita Hinden (1938), Economic Survey of Palestine. Tel Aviv: Jewish (Hebrew)

Margalit, H. (1931), "Palestine's Finances and the Income Tax Proposals." Commerce and Industry 9: 3-15 (Hebrew).

Asian and African Studies 11: 305-336. - (1978), "Economic Structure and National Goals: The Jewish National Home in In-

Metzer, Jacob (1977), "The Concept of National Capital in Zionist Thought 1918-1921."

terwar Palestine. Journal of Economic History 38: 101-119.

Morag, Amotz (1967), Public Kinance in Palestine. Jerusalem: Magness Press (Hebrew): "Income Tax in Palestine." Palestine and Near East Economic Maga-

Fiscal Incidence and Resource Transfer in Palestine

Szereszewski, Robert (1968), Essays on the Structure of the Jewish Economy in Pulestine Sitchin, Z. (1945), "The Burden of Taxation." The Palestine Tribune 1(3): 16. and Israel. Jerusalem: Falk Institute.

Von Weisel, V. (1926), "The Jewish Share in the Budget of the Palestine Government." Commerce and Industry 4: 216-217 (Hebrew)

Zionism and the Arab Question (1979), Collected Historical Studies. Jerusalem: The Zalman Shazar Center (Hebrew).

APPENDIX

Table A.1. Incidence of Administrative Services

	÷		(CP T)	(fP Thousand)		
					1035134	
		1720127			1,000	
	Jews	Arabs	Total	Jews	Arabs	Total
"Department"						
(1) Pensions	2.0	13.8	15.8	00 00	23.5	32.3
(2) Public Debt & Loan Charges	7.8	24.3	32.1	53.5	72.9	126.4
(3) High Commissioner		5.6	7.4	3.9	5.2	9.1
(4) Secretariat	7.7	23. 9	31.6	16.7	22.8	39.5
(5) District Administration	23.5	73.6	97.1	65.6	89.2	154.8
(6) Treasury	3,8	<u>=</u> .8	15.6	7.2	9.9	17.1
_	 &	5.00	7.6	5.8	7.8	13.6
(8) Customs, Excise & Trade	20.7	32.3	53.0	157.4	86.1	243.5
(9) Department of Migration	I	I	Ì	21.1	11.3	32.4
(10) Office of Statistics	1	1	ľ	0.8	0.7	1.5
(11) Miscellaneous	20.6	104 6	125:2	87.7	210.5	298.2
(12) Total	89.7	295.7	385.4	428.5	539.9	968.4
Public Works						
(13) Administration—General	7.0	22.1	29.1	33.0	44.9	77.9
(14) Specific Administrative Services	 0	1.7	2.7	10.3	7.0	17.3
(15) Services exclusively used by						
Jews or Arabs	ı	ı	l	I	0.2	0.2
(16) General Public Works	.9	5.5	7.4	4.4	5.5	9.9
(17) Total	9.9	29.3	39.2	47.7	57.6	105.3
(18) = (12) + (17)			:			
All Administrative Svs.	9.6	325.0	424.6	476.2	597.5	1073.7

nent expenditure, this procedure takes account Nates (by line number):

1. The Arab-Jewish distributive shares used for the allocation of pensions to retired government ervices mostly rendered in earlier periods, from which the Jews presumably benefited to a lesser extent 926/27 and 1935/36, respectively. Since the Jewish percentage was smaller in population than in govern-nent expenditure, this procedure takes account of the fact that the pensions paid each year reflected ian in the years analyzed ployees were constructed by averaging the population and the total-expenditure distributive shares of

ervices, and have therefore been allocated between Jews and Arabs according to the incidence of total ditures were regarded as the operational costs of providing government

In order to allocate the collect and excise tax between the two sectors. i

Notes for Table A.1 continued

net domestic product (NDP); the figures for the Jews were 42 and 66 percent for trade (see Gurevich. 1932. 1936; and Gaathon, 1978) and 33 and 52.5 percent for NDP in 1936/27 and 1935/36, respectively. The weights employed were the percentages of the internal and external taxes in the expenditure taxes.

of foreign travel. 1935 (see Statistical Abstracts, 1939, pp. 112-113; Statistical Handbook, 1947, p. 31). The assumption veraging the Jewish share of total immigration and other travel, respectively, 96.4 and 33.6 percent in f the department's expenditures were immigration-related while the other half had to do with other kinds nderlying this procedure, based on the composition of travelers in that year, was that only about half 9. The Jewish distributive share in the expenditures of the Immigration Department was calculated by

or estimating the sectoral incidence of these expenditures. enefits generated from them were assumed to be closely associated with the level of economic activity, have therefore used the percentage distribution of Palestine's NDP between Arabs and Jews as a basis 10. Since most of the statistical data generated by the government were economic in nature, the

 A detailed breakdown of miscellaneous expenditures is only available for 193536. About half of them were grants to municipalities and religious institutions. The distribution of total miscellaneous ewish and 70.6 percent Arab in 1935/36. This was very similar to the intersectoral distribution of the couplation. Assuming that the 1926/27 composition of miscellaneous expenditures was not much different xpenditures, based on the classification of the individual components, turned out to be 29.4 percent om that of 1935/36, I estimated the incidence on the basis of the 1926/27 Jewish—Arab population shares. The expenditures classified as Administration-General were construction and maintenance ex-

see text for further details), enses and payment of rent for general governmental facilities. These were allocated between the two 14. Various overheads, rent, and maintenance expenditures were related to the administration of ities according to their percentage shares in expenditures other than administration

he percentage distributions of international trade. NDP, and overseas travel, respectively. ustoms, excise. trade licenses, and immigration. I allocated them between Arabs and Jews according to This is the cost of maintenance work for the Church of the Holy Sepulcher.

of all other Public Works Department administrative services combined recording to the percentage of the latter in the total expenditure of the Public Works Department. similarly, the relative incidence of these outlays was assumed to be identical to the relative incidence 16. This is the cost of running the Public Works Department attributed to administrative services

Treasurer's Report 1938/39: Annual Reports of the Public Works Department 1926/27 and 1935/36.

Table A.2. Incidence of Internal Security and Defense

			(£P Thousand)	nsand)	: -	
		1926/27			1935/36	
	Jews	Arabs	Total	Jen:x	Arabs	Total
"Department"						
(1) Legal Department	3.1	6.2	9.3	5.8	5.2	11.0
(2) Judicial Department	23.0	46.8	69.8	49.4	44.7	94. 1.
(3) Police and Prisons	103.6	210.2	313.8	276.9	250.6	527.5
(4) Trans-Jordan Frontier Force (50%)	14.0	71.1		22.3	63.3	85.6
(5) Defense	I	1	ļ	37.8	107.5	145.3
(6) Gendarmerie	6.5	13.2	19.7	I	I	I
(7) Total	150.2	347.5	497 7	392.2	471.3	863.5
Public Works						
(8) Internal Security	14.9	30.3	45.2	49.2	45.2	94.4
(9) Defense	0.7	3.8	4.5	1	1	1
(10) General Public Works	3.7	7.9	11.6	5.1	4.7	9.8
(11) Total	[9.3	42.0	61.3	54.3	49.9	104.2
(12) = (7) + (11)			İ			
All Internal Security and Defense	169.5	389.5	559.0	446.5	521.2	967.7
					no.)	(continued)

Fiscal Incidence and Resource Transfer in Palestine

Notes for Table A.2 (by line number):

1-3, 6, 8. Expenditures in these categories were allocated according to the intersectoral percentage distribution of NDP; see text for further details.

4-5. 9. The relative incidence of these defense outlays was assumed to be equal to the intersectoral Half of the expenditures on the Transjordan Frontier Force was attributed to Palestine's defense

of the expenditures in categories 8 and 9. istribution of the population; see text for further discussion of this assumption.

10. This is the part of the Public Works Department's running costs assigned to internal security and efense. It was distributed between the two national sectors according to the combined relative incidence

Treasurer's Report 1938/39; Annual Reports of the Public Works Department 1926/27 and 1935/36.

sources:

Table A.3. Incidence of Economic Services

n	-	,	_	_					_	_		? ?	. 2	. · ≃	· =		=	2. (_	_				٠.		_		A .				
	$All\ Other\ Economic\ Sys.$ (21) = (8) + (12) + (70)	(20) = (15) + (19)	(19) Total	(18) General Public Works	Jews or Arabs	(17) Services exclusively used by	Public Works	(15) Total	(14) Dept. of Development	(13) Dept. of Land & Surveys	"Department"	Other (Water Supply, Electricity &	All Transportation Svs.	(12) = (9) + (10) + (11)	(11) General Public Works	by Jews or Arabs	(10) Transport Svs. exclusively used	(9) Transportation—General	transportation Public Works	(8) = (3) + (7) All Agricultural Sys.	(7) Total	(6) General Public Works	by Jews or Arabs	(5) Agriculture Svs. exclusively used	(4) Agriculture—General	(3) Iolal	(2) Other Expenditures	(1) Grants to the Jewish Sector	Department of Agriculture and Forests	Agriculture				Aubic /t.J. Alleidelice
	17.1		2	ĺ.	Ì	:	=	17.0	ļ	17.0			42.6		<u>«</u>	4.2		30.3		4.4	0.4	0.7	ļ	. }	<u>.</u>	4.0	4.0	ì			Jews			91
	37.5	· · [2.9	0.5	2.3	9	<u> </u>	34.6	.: 	34.6			105.8		20.0	28.3		57.5		77.3	16.0	3.0	0.2		12.8	01.3	61.3	1			Arabs	1926/27		01101111
	54.6	į	3.0	0.5	2.3		0	51.6	Í	51.6			148.4		28.1	32.5		87.8		81.7	16.4	3.1	0.2	;		00.5	65.3	: 1			Total		(£ P Thousand)	
200	186.2		121.0	11.4	<u>7</u>	į	۲,	65.2	4.4	8.09			362.3	•	33.7	72.0		256.6		46.6	9.2	0.9	4.0		4	37.4	7.6	29.8			$J_{e^{\eta r}s}$		ousand)	1
5 059	187.6		[28.7	12.1	6.601	ç	۲ ۶	58.9	3.9	55.0			292.8		27.7	88.0		177.1		169.9	26.3	2.4	7.6		16.3	43.0	143.6				Arabs	1935/36		
1245,4	373.8		249.7	23.5	214.3	11.7	-	124.1	8.3	115.8			655.1		61.4	160.0		433.7		216.5	35.5	3.3	11.6		20.6	101.0	151.2	29.8			Total			

Notes for Table A.3 (by line number)

Grants to agricultural research projects of the Jewish Agency and the Hebrew University and aid to be Kaduri Agricultural School on Mount Tabor.

The distributive shares of the two communities were estimated on the basis of the nature of the

specific expenditures as reported in the annual reports of the Department of Agriculture.

4. In 192627, the expenditures in this category consisted of maintenance of the Department of onstruction and maintenance of livestock quarantines, and 4 percent for maintenance of a government griculture's facilities. The 1935/36 figure consists of 63 percent maintenance of facilities. 34 percent perimental citrus station. These items were divided between Jews and Arabs according to the distriion of, respectively, the Department of Agriculture's expenditures, population, and citrus output. ural facilities in Arab rural areas. The Jewish services were construction works by the Public Works Services used by Arabs comprised the cost of constructing and maintaining governmental agri-

, 11, 18. These are the costs of running the Public Works Department assigned to the various expendartment in the Kaduri Agricultural School on Mount Tabor. ies. For the functional distribution and the incidence of these costs see note 16 to Table A.1.

crived from them were allocated between Jews and Arabs on the basis of the NDP or the international nd note 10 to Table A.2. includes the cost of constructing and maintaining roads used by both cor nmunities. The benefits

10. This category consists of expenditures on local roads constructed in nationally homogeneous redistributive shares according to the location and purpose of the roads in question. which were assumed to have been used exclusively by members of the resident national com-

3-14. The expenditures in these two categories have been distributed between the two communities ing to the distributive shares in Palestine's NDP

is. Office equipment for the Department of Land and Surveys, and I have allocated this item to

17. Outlays on land surveys and water projects in exclusively Arab regions.

926/27, 1935/36; Treasurer's Report 1938/39 ual Reports of the Department of Agriculture and Forests and of the Public Works Department

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Table A.4. Incidence of Welfare Services

			١	(£ P Thousand)	nsand)		
			1926/27			1935/36	
		Jews	Arabs	Total	Jenes	Arabs	Total
ا ھ	Education & Culture						
	"Department"						
	Department of Education:						
	(1) Grants-in-Aid to Jewish Schools	10.9	l	10.9	35.8	ł	38
	(2) Other Expenditures	2.5	103.4	105.9	2.4	180.2	182.6
	(3) Total	13.4	103.4	116.8	40.9	180.2	12
	(4) Antiquities Dept.	1.6	7.9	9.5	%	13.5	=
	(5) = (3) + (4) Total	15.0	Ξ	126.3	45.7	193.7	239.4
	Public Works						
	(6) Education & Culture General	0.4	2.0	2.4	3.2	9.3	12.5
	(7) Educational Svs. exclusively used	٠.					
	by Jews or Arabs	ļ	8.2	8.2	1.1	85.0	86.1
	(8) General Public Works	0.1	2.4	2.5	0.5	9.7	10.2
	(9) Total	0.5	12.6	13.1	4. 00	104.0	108.8
Ŷ.	(10) = (5) + (9)						
۴.	All Education & Cultural Services	15.5	123.9	139.4	50.5	297.7	348.2
ò	Health				•		
Ç.,	"Department"						
•	Department of Health:						
	(11) Public Health Svs.	0.7	3.3	4.0	43	12.1	16.4
	(12) Hospital & Clinic Svs.	2.2	10.0	12.2	5.8	23.4	29
	(13) Health Sys. exclusively used by						
	Jews or Arabs	1	0.6	0.6	[9.9	9.4	29.3
	(14) Gen. Health, Dept. Expenditures	12.9	62.0	74.9	28.6	91.1	119
	(15) Total	15.8	75.9	91.7	58.6	136.0	194.6
	Public Works						
	(16) Health—General	Ļ	7.5	9.0	4	4.0	
	(17) Hospitals & Clinics	1.4	7.2	8.6	4.5	15.5	2(
	(18) General Public Works	0.7	3.4	4.	0.6	2.0	2.6
	(19) Total	3.6	18.1	21.7	6.5	21.5	22
	(20) = (15) + (19) All Health Services	19.4	94.0	113.4	65.1	157.5	12
	(21) = (10) + (20) All Welfare Services	34.9	217.9	252.8	115.6	455.2	570.8
	1、 人名英格兰特特 100 100 100 100 100 100 100 100 100 1						ı

Notes for Table A.4 continued

Notes for Table A.4 (by line number)

The Jewish share in this category consists of salaries paid to the Jewish senior staff of the Education

nd were thus allocated like line

All the expenditures in this category were related to the activities of the Antiquities Department

Earmarked expenditures and grants for the construction and maintenance of Arab and Jewish

The benefits from the archeological discoveries financed by the Antiquities Department are assumed

partment, assuming that they were in charge of supervising and serving the lewish school system

have been uniformly distributed among all the residents of Palestine.

- realth services, the rest consisting of swamp drainage in mainly Jewish regions. illages and crites. Eighty percent of the lewish expenditure was a grant given to the autonomous Jewish 13. The expenditures designated as "Arab" consisted of various health services provided in Arab
- to the percentage distribution of the rest of the department's outlays between them 4. These general expenditures of the Health Department were allocated to Jews and Arabs according
- scilities. The intersectoral distribution is according to population shares. maintenance, and acquisition of equipment for general public health
- category (12) because the Jewish-Arab distribution of hospitalization in the particular establishments dealt with by the Public Works Department in the two years analyzed was not identical to the overall 17. The distributive shares here differ somewhat from those of the corresponding Health Department

Annual Reports of the Departments of Education and Health 1926/27, 1935/36; Treasurer's Report

reported in the annual reports of the Department of Health.

the Jewish-Arab distribution of hospitalization days. It was derived by multiplying the number of per-sons who received hospital and clinic services by the average number of hospital days per patient as

rojects; these items are here regarded as public goods and distributed on a per capita basis.

ocedure, see note 16 to Table A.I.

18. Running costs of the Public Works Department allocated to education and health; for the

 The incidence of expenditure on hospital and ambulatory treatment was estimated on the basis of Primarily antimalaria activities, swamp drainage, sanitation, and various epidemic-prevention

			26/27			19.	35/36	
	· .	Interna	Security		-	Interna	l Security	
		ibution of ome		ibution of dation		ibution of ome		ibution of dation
	Jews (I)	Arabs (2)	Jews (3)	Arabs (4)	Jews (5)	Arabs (6)	Jews (7)	Arabs (8)
Net (including surplus) Budgetary Incidence (£P Thousand) (1) NDP— α (2) NDP— β Share of Net Fiscal Incidence in Net Domestic Product (Percent)	(-) 241.9 (-) 270.7	(+) 241.9 (+) 270.7	(-) 255.2 (-) 307.0	(+) 255.2 (+) 307:0	(-) 1031.2	(+) 1031.2 —	(-) 1268.4	(+) [268.4
(3) NDP—α (4) NDP—β	(-) 5.4 (-) 6.0	(+) 2.7 (+) 1.8	(-) 5.7 (-) 6.8	(+) 2.8 (+) 2.0	(-) 5.7	(+) · 6.3	(-) 7.0	(+) 7.7

Note:

"The net fiscal incidence and its product shares are calculated under alternative assumptions concerning the Jewish-Arab percentage distribution of NDP in 1924/27 and the distribution of the benefits from internal security services. The net fiscal incidence figures used in the text are those of columns (1), (2), (5), and (6), lines (1) and (3). They were calculated on the following assumptions: a) that the entire economy of Palestine grew at the same rate as the Jewish economy between 1926/27 and and 1935/36, which implies that the Jewish share in NDP was 33 percent in 1926/27 (NDP – α); b) that the benefits from internal security were distributed between the two national communities by their respective distributive shares in Palestine's income. The alternative assumptions are that the Arab economy did not grow between the two years at all (implying a Jewish share of 23 percent in the 1926/27 NDP, (NDP – β), and that the benefits from internal security were uniformly distributed on a per capita basis. The net fiscal incidence under these assumptions is given in columns (3), (4), (7), and (8), lines (2) and (4).