Chapter 11

The Distribution of Control over Income and Resources

In the past decade, there has been a general resurgence of interest in the impact of policies in developing nations on the distribution of control over income and resources. In Chile, too, there has been a rising interest in distributional questions, although in that country such issues have not been far from center stage for some time.1

The primary focus in those discussions has been on the distribution of income by classes or by factors. A number of other dimensions of the distribution of control over income and resources, however, also have been important: private versus public shares in output, domestic versus international shares, the distribution among sectors, regional concerns, and the interests of the present generation versus those of future generations.

In this chapter the impact of the international economic regime on some of those dimensions will be explored.2 The focus is on three questions: (i) What have been the distributional objectives? (ii) What have been the effects of foreign-sector policy on distribution? (iii) Were there alternative means of achieving the same objectives at lower cost?

In most of these dimensions generalizations about the objectives are very difficult. Various governments at various times and different groups in society at particular times have not agreed on distributional priorities. More often than not recent governments have tended to state as their preferences decentralization and redistribution in favor of lower-income classes and labor, the public sector, manufacturing, and future generations. Only in the domestic-foreign dimension, however, has there been widespread agreement. In that case the
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A consensus has been growing for some time that a reduction of foreign control is desirable.

The distributional consequences of the international economic regimes have been manifold and sometimes contradictory. For example, consider the impact on the labor share. Overvaluation has led to higher real wages and higher employment in the short run. Even in the short run, however, more intensive quantitative restrictions have led to lower real wages, especially because of the considerable protection given to some important mass-consumption subsectors. In the longer run, moreover, the international economic policies have created inducements for substitution of capital for labor. In some sectors the negative effects on the demand for labor have been considerable. Protective barriers, furthermore, have precluded competition from the world market and, thus, competitive pressures for greater efficiency and productivity.

Consideration of the labor share also provides illustrations of some trade-offs which are pervasive in considerations of distributional questions. One quandary is provided by the difference between short-run and long-run results. Keeping food prices low, for example, increases real labor income in the short run, but discourages agricultural production in the long run. More generally, devaluation and liberalization might create more jobs in the long run, but tend to cause immediate unemployment.

Trade-offs among the distributional objectives also are important. Protection has resulted in redistribution toward industry, for example, as has been widely desired. The high protection for some of the traditional consumption-oriented subsectors, however, has lessened real wages of labor because of the effects on prices of consumer goods used by wage earners.

Finally, the distributional consequences of the international economic regime are often very hard to reverse because of the establishment of strong vested interests. In the Chilean case the prime example is provided by the traditional consumer-goods subsectors. These industries have received protection at least since the 1897 tariff law. To lower the implicit subsidies they receive because of the foreign-sector regime would be very difficult, however, because of the strong political forces which have grown up as a result of that protection.

Neoclassical analysis can almost always devise more efficient ways than QRs to redistribute control over income and over resources. Sometimes the neoclassical prescriptions suffer, however, from unrealistic assumptions about the ease of tax-transfer mechanisms. Nevertheless, the greater use of price-related mechanisms would make it possible to pursue distributional objectives with fewer distortions in inducements. The use of explicit subsidies instead of implicit ones, furthermore, would make the nature of the resources transfer clearer and thus subject to more conscious examination through the political process.
11.1 DISTRIBUTION BY INCOME CLASS

Recent Chilean governments, especially those under presidents Frei and Allende, have had as one proclaimed important objective the reduction of disparities in the distribution of income. This objective has shaped the international economic regime in a number of respects. For example, Chilean governments often have been reluctant to devalue the currency in part because of perceived regressive income-distributional effects of that action.3

Chilean society, however, has not been monolithic in its objectives. A number of competing groups have attempted to maintain or extend their shares of income. In reference to foreign-sector policy, the narrow interests of some of these groups have prevailed over the more diffuse interests of the general public and of consumers. The existence of these and other strong pressure groups has limited the success of redistributional measures even under the most progressive governments.4 Under governments with a lower priority for redistribution or none, the influence of these special-interest groups has dominated.

The nature of past international economic regimes, moreover, has significantly strengthened the relative position of some of these groups. To be more explicit, the maintenance of high industrial protection by means of restrictive regimes has encouraged the development of strong vested interests among the factor owners in the more protected industries, the importers who receive the import premiums, and the bureaucrats who run the system.

Redistributional efforts have involved many policies other than those in the foreign sector. Minimum wages, price ceilings, human-capital investments, agrarian reform, and changing control and ownership in industrial and service sectors all have been utilized. However, foreign-sector policies also have had considerable effects.5 The available evidence is somewhat fragmentary, but does permit some analysis of these effects on one of the special-interest groups6 and on the factorial division of income.

11.1.1 Import Premiums and Distribution.

An important special-interest group comprises the importers themselves. The mean import premium rate for 1946–70 was 0.77 (column 4 in Table 5.1). Although at times import licenses have been allocated directly to producers, generally traders have been the recipients. Therefore, traders also have received substantial income increments due to the restrictive regimes.

The relative magnitude of the import premiums has varied inversely with the degree of liberalization and the degree of overvaluation. As is noted in subsection 5.1.1, the correlation coefficient between the import premium rate
and the PLD-EER was -0.46 for the quarter-century after the Second World War. Movements in the imported component relative to other components in price indices also are suggestive in this regard. In 1956, for example, the imported component decreased relatively substantially despite a devaluation of about 25 per cent which accompanied the initiation of the Alessandri effort at stabilization plus liberalization. The Instituto de Economía [1963:25] claims that this fall primarily reflected the reduction of oligopolistic returns to the previously more limited number of importers.

Even without devaluation, of course, the government could mop up the import premiums going to traders without affecting production substantially by utilizing exchange auctions or increasing import taxes. This probably would be desirable given apparent Chilean objectives. An alternative possibility, which the Allende government explored, was to replace private traders by government trading companies. Such a tactic clearly decreased the import premiums going to private traders. It also expanded substantially another interest group, namely, the government bureaucracy. Available data do not permit rigorous analysis of the efficiency of this alternative operation.

11.1.2 Real Wages and the International Economic Regime

More information is available about the impact of the international economic regimes on the factorial shares of real income. The mean shares of labor in GDP for phases and subphases since 1940 do not have a strong phase association (line 4.2 in Table A.1). The largest decline was recorded in the Phase IV period of 1957–61, but the only other fall was for Phase II of 1952–55. Otherwise, an upward secular trend dominated. The same secular trend also predominated in the average real wage—again with little indication of phase-associated fluctuations (line 4.1 in Table A.1).

Despite the foregoing suggestions of very limited phase associations, other data reveal that the foreign-sector regime has had substantial impact on real wages and employment. Four types of empirical approach are used here to explore the relation of real wages to the international economic regime:

i. Cross-sectional data is used to determine whether there are significant associations between the variance in protection across subsectors and wages. Tables A.5 and A.6 contain all the significantly nonzero correlation coefficients among levels and rates of change of ITRs and EPRs and levels and rates of change of wages and wage shares. Significantly negative correlations are found between both ITRs and EPRs and both wages and wage shares. The changes in wages and wage shares between 1957 and 1967 are significantly positively correlated with ITRs and with the change both in ITRs and in EPRs between 1961 and 1967. The nominal and effective structures of protection created by the international economic regimes, thus, were associated with low but rela-
tively rapidly increasing wages. These increases, moreover, were associated positively with the changes in protection.

Cross-sectional evidence also sheds some light on the impact of foreign-sector regimes on consumption-goods prices wage earners have had to face. As is mentioned several times above, the government has often tried to lessen price increases for certain mass-consumption items by instituting favorable import provisions. The ITRs in Table 5.3 suggest that it succeeded in keeping the relative price increases due to trade barriers fairly small for the most important single mass-consumption category, food products. At least in 1961, however, such barriers were quite high for some other important mass-consumption sectors, especially footwear and clothing, textiles, and beverages. Unless the level of aggregation is obscuring the impact, therefore, it must be concluded that this attempt by the government was not completely successful.

ii. Time series for subsectoral PLD-EER(P1) in Table A.8 provide further information about the success of the government in using the foreign-sector regime to keep mass-consumption items relatively cheap. Food products did have a low mean PLD-EER(P1) in comparison to other mass-consumption items such as beverages, textiles, and footwear. However, the mean for food products was above that for at least eight other manufacturing subsectors, to say nothing of agriculture and mining. Moreover, discriminatory policies favoring cheap food imports presumably would have caused the PLD-EER(P1) for food products to become relatively low in more restrictive periods, but it did not. Subject again to the caveat about aggregation, this evidence reinforces the doubts raised in the previous paragraph about the success of the government in its attempt to keep mass-consumption items cheap through discriminatory trade policies.

iii. Partial-equilibrium time-series regression analyses of the determinants of the rates of change of sectoral wages are presented in Behrman [1971 and 1974]. The only significant direct impact of the international economic regime is through the price-expectational effect of changes in NERs. Estimates in Behrman [1974] of the determinants of the rate of change of the consumer deflator indicate a much stronger reaction to foreign-sector changes, including variations in NERs. The net direct result of devaluation, thus, would be a decline in real wages.

iv. The general-equilibrium model of Chapter 2 provides further insight about the impact of changes in foreign-sector policies on real wages. For the reasons suggested in the previous paragraph, the impact elasticity of real wages with respect to the NER is negative, amounting to −0.4 (line 4.1.1 for simulation 2.1.1 in Table A.11). Thus, this result supports the reluctance to devalue because of the perceived negative effects on real wages and on total labor income. Because wages also adjust more slowly than product prices to changes
in quantitative restrictions, however, the elasticity of real wages with respect to such restrictions also is inverse and rather sizable: -1.1 (simulation 2.3.1).14 Liberalization at the same time as devaluation, therefore, would tend to offset the negative consequences for real wages of the latter.15

11.1.3 Employment and the International Economic Regime.

The above approaches also provide insight into the impact of the international economic regime on the other component of real labor income—employment:

i. Cross-sectional data are used to determine whether there are significant associations between the variance in protection across subsectors and factor-to-factor or factor-to-output ratios (Tables A.5 and A.6). Protection was positively correlated with the capital-labor ratio (EPR3) and growth in horsepower capacity between 1957 and 1967 (ITR2). The same associations hold for changes in protection between 1957 and 1967. These results suggest that the structure of protection may have encouraged the use of capital-intensive technology despite the abundance of labor. If so, the international economic regimes may have added significantly to unemployment problems.

ii. Time series for PLD-EER(PI)s provide supporting information. The mean PLD-EER(PI) ratio of investment goods to consumer goods for the quarter-century following the Second World War was 0.64 (column 4 in Table 5.2). Foreign-sector policy thus encouraged the use of capital-intensive technologies by keeping the price of foreign capital goods relatively low. Mamalakis [1971:565–587] reports, moreover, that CORFO loan procedures further reduced the cost of capital.16 Loans to enterprises made in domestic currency but backed by hard currency were repaid in domestic currency at less than their original value because of negative real interest rates.17 The effect of such CORFO policies on employment is illustrated by the decrease in the relative share of the labor force after 1945 in the most rapidly growing industrial subsector, basic metals, because of the capital-intensive nature of the CORFO-financed CAP operations.

iii. The partial-equilibrium time-series analysis in Behrman [1972a] further corroborates this conclusion. The estimated sectoral elasticities of substitution between capital and labor generally are significantly nonzero. The technical possibility of substituting subsidized capital for labor therefore existed.

These estimates of the elasticity of substitution make it possible to illustrate the employment impact of some specific foreign-sector policies. Labor demand in large-scale mining, for example, was more affected by the international economic regime than demand in any other sector. Large-scale mining enterprises could purchase imported capital equipment directly with the foreign-
exchange proceeds earned by their exports. They paid much of their domestic labor, however, in domestic currency which had to be purchased at an often quite disadvantageous NER (see section 3.2 and column 1 in Table 3.2).  

The employment impact of this discriminatory exchange-rate policy can be seen under the following assumptions: the production function for large-scale mining is a CES type with an elasticity of substitution of 0.51 as estimated for all of mining in Behrman [1972a], output and prices are given, and tendencies for labor demands to adjust to marginal productivities prevail in the long run. Relation 11.1 then gives the ratio of labor that would have been employed in large-scale mining in long-run equilibrium ($L'$) at different labor prices ($PL'$) to those actually employed in long-run equilibrium ($L$) at actual prices ($PL$).

$$L'/L = (PL/PL')^{0.51} \quad (11.1)$$

Reynolds [1965:284] gives an implicit estimate for $PL/PL'$ of 2.03. This value, together with the above assumptions, implies that the long-run demand for labor in large-scale mining would have been 44 per cent larger had exchange-rate discrimination not affected the dollar cost of labor. If $PL/PL'$ is assumed to have been the ratio of the bank spot NER to the special NER in 1954 (although the former clearly was undervalued) and other assumptions are maintained as before, the long-run equilibrium labor demand in large-scale mining would have been 590 per cent larger! With the option of increasing output, the demand for labor would have been even greater. Such calculations should not be taken literally, but they do suggest that the employment effects of the discriminatory NER policy may have been quite considerable.

iv. The general-equilibrium impact of the international economic regime on the economywide demand for labor in the short and medium run is given in Table A.11 under the assumption that such demand is highly correlated with the capacity-utilization rate. As is discussed in section 9.2 above, devaluation and liberalization both have immediate negative impacts on the utilization rate variable (line 2.1 for simulations 2.1.1 and 2.3.1).

This result poses a trade-off between the longer-run employment gains discussed above and the short-run loss. Policies to moderate this trade-off by facilitating labor mobility, by increasing aggregate demand, and by gradually reducing protection in the weaker subsectors may be necessary for a successful liberalization program. On the other hand, moderate policies may not work because they may encourage the maintenance of expectations of a return to the previous situation.
11.2 PRIVATE VERSUS GOVERNMENT CONTROL OVER OUTPUT

The objective of the government with regard to the division between private and government control over output has fluctuated over the years. Some governments—for example, Alessandri's in 1958–64—have favored a larger role for the private sector because of a belief in the greater efficiency of the private sector and because of a desire to protect or to promote certain private interest groups. Other governments—for example, Allende's in 1970–73—have seen a need to expand substantially the government's role in order to make necessary reforms and to restructure society despite the opposition of strong vested interests. Even though the governments themselves have maintained a range of positions on this spectrum, moreover, a large portion of the government bureaucracy always has found the expansion of government activity to be in its own self-interest.

The desirability of relative expansion of government control over resources thus has been a matter of dispute among various groups in Chilean society and among different administrations. Most of the assertions that are made pro and con are very difficult to test. To attempt to do so, moreover, would be beyond the scope of the present study. However, some indication of the relationship between the type of international regime and the relative role of the government can be made.

More restrictive regimes have shifted resources to the government in at least two important ways: First, government imports have been given high priority at substantially overvalued EERs (subsection 4.1.7). In 1971, for example, the government share of imports increased to 45 per cent mainly because government imports were exempted from the 10,000 per cent prior import deposit requirement introduced in May of that year. Second, the government netted substantial revenues from its operation of the multiple exchange-rate system because of the large differential (especially before the Nuevo Trato of 1955) between the escudo price it paid to large-scale mining enterprises for dollars and the price at which it sold such dollars (compare columns 1 and 13 in Table 3.2).

On the other hand, greater restrictiveness has also worked in the opposite direction: First, it reduced the quantity of foreign trade, a relatively convenient source of tax revenue (see sections 6.2 and 7.2). Partly as a result of this decline, tax revenues related to foreign trade as a proportion of total taxes have dropped secularly from a mean of 0.83 in 1908–27 to a mean of 0.18 in 1965–70 (line 1.2.6.6 in Table A.1). Second, at times it lowered the effective average import tax rates since restrictions usually were applied more stringently to commodities with higher legal tax rates. The intensity of re-
restrictions also has had some relation to the availability of loans to the government from foreign sources (see Chapter 8).

Partially as a result of these counterbalancing effects, the share of the government in GNP, savings, and investment does not indicate any strong phase association (see lines 3.1.2.3 and 3.3.1-3.3.4 in Table A.1). Within the framework of the general-equilibrium model of Chapter 2, however, the net consequences can be identified: devaluation leads to an immediate drop in government revenues as the reduced taxes from imports offset increased revenues from large-scale mining (lines 4.4.1, 4.4.1.1, and 4.4.1.2, for simulation 2.1.1 in Table A.11). Reductions in quantitative restrictions, however, have the opposite effect (simulation 2.3.1). Tax revenues increase because of large increments from imports and large-scale mining. Government consumption also increases. Devaluation apparently has a negative effect on government revenues because of inflationary pressures, but an appropriate degree of liberalization could offset this effect.

11.3 DOMESTIC VERSUS FOREIGN SHARES

Before the Great Depression, net outflows to the foreign owners of Chile's nitrates were quite substantial (see section 1.2). Since then, the division between domestic and foreign income has been determined primarily by the government's treatment of large-scale copper mining.

Policies toward large-scale copper mining are discussed in some detail in sections 4.2.1 and 7.2. Their dominant feature has been a strong secular trend toward increased Chilean control, which culminated in the nationalizations of 1971. Superimposed on this trend were some fluctuations associated with the extent of liberalization. The more restrictive regimes usually tended to increase the Chilean share relative to the foreign share of returns from mining. However, at times, they did so at the expense of the absolute magnitude of the Chilean share (subsection 7.1.2.3).

One important component of the division between domestic and foreign factor shares is the size of net factor payments from abroad. The effect of devaluation and liberalization on this flow can be examined within the framework of the general-equilibrium model of Chapter 2. The first-year elasticity of net factor income from abroad with respect to all NERs is −1.8 and that with respect to quantitative restrictions is −4.0 (line 4.2.1 for simulations 2.1.1 and 2.3.1 in Table A.11). Devaluation, then, would increase foreign income because there would be higher exports from large-scale mining and reduced unit dollar costs for domestic factors utilized in mining. This increase in foreign income, however, does not imply a reduction in Chilean control of foreign resources. To the contrary, the surplus on current account and international...
reserves both rise (lines 1.3.1 and 1.3.3). Although maintenance of overvalued NERs would reduce factor payments to foreigners, therefore, it would be at the expense of Chilean control of foreign resources.

Liberalization, too, would increase factor payments abroad because of the expansion of exports (Table A.11, line 1.1). But imports would increase even more than exports; so in this case Chilean control of foreign exchange would fall (Table A.11, lines 1.2, 1.3.1, and 1.3.2). If sufficient devaluation accompanied the liberalization, of course, this negative feature could be offset.

Another important factor in the division between domestic and foreign shares is the size of capital movements. Increased quantitative restrictions discourage net inflows, but they also restrict outflows. The net effect is not a priori obvious (for detailed discussion of these movements, see section 8.2). Positive associations of these movements with the degree of liberalization do seem to have prevailed for direct investment and private short-term capital movements. For other components, however, there is no evidence of such a correlation.

11.4 SECTORAL AND REGIONAL DISTRIBUTION OF INCOME AND RESOURCES

Mamalakis [1965,1971b] has characterized the distributional conflict in Chile as having been essentially one of “sectoral clashes.” He portrays a process in which the manufacturing sector gained the upper hand in terms of policy formation in the 1930s at the expense of agriculture and mining.

Whether or not one agrees with Mamalakis’s emphasis on the importance of conflicts between sectors, there is no doubt but that foreign-sector policy has had significant implications for sectoral shares. The effect of the more restrictive regimes has been to shift income and resources toward government, manufacturing, and services (see Chapter 10). In manufacturing, at least until very recently, foreign-sector policy has favored the same traditional subsectors for which in many cases explicit protection dates back to the 1897 tariff.

A pertinent question I wish to raise at this point is the extent to which patterns of protection reflect the degree of political power. One index of relative political power of the various subsectors is the degree of industrial concentration. The greater the concentration, the greater is at least the potential for organized political pressure from a subsector. Tables A.5 and A.6 contain all significantly nonzero correlation coefficients between the degree of concentration in 1957 (the only year for which the data are readily available) and levels and rates of change of ITRs and EPRs.

ITRs for 1967 and the change in ITRs between 1961 and 1967 are positively correlated with the degree of concentration. Under the above assumption
and subject to the usual ceteris paribus qualifications, thus, these correlations support the hypothesis that levels and changes in product protection reflected the degree of political clout. Because of such political power, moreover, reducing protection in certain subsectors is very difficult. Some long-protected infants may never grow up, but they may maintain enough political power to induce the general public to continue to transfer resources to them behind trade barriers. Such a characterization fits a number of Chilean manufacturing subsectors all too well.

In the Chilean case, questions of regional distribution are tied quite closely to sectoral ones. Increased quantitative restrictions generally have caused shifts from the north (mining) and south (agriculture) to the center (manufacturing, commerce, and government). Most government revenues have been spent in the center, most imports are made to the center, and most expenses of operating the regime have been incurred in the center. The attempts to offset these movements, such as the operation of special regimes for the extreme ends of the country (subsection 4.1.5.1), have only partially balanced the flows to the center induced by the other aspects of foreign-sector policy.

NOTES

1. Chileans may have been more sensitive to distributional questions than citizens of many other countries because of the high inflation rates (line 2.1 in Table A.1). With product and factor prices changing so much there has been much more potential for relative-price changes than in most countries. Under such conditions the income distribution might change substantially quite quickly. Therefore, it has been privately useful for numerous interest groups to devote considerable resources to defending their share of income. The private returns from such activities have been quite high in comparison to the returns from increasing real productivity.

2. Since some of these subjects are discussed fully in other parts of this book, they are covered here in only a limited way (e.g., sectoral distributions, which are explored in Chapter 10) or not at all (e.g., the generational trade-off, which is taken up in Chapter 12).

3. The sliding-peg NER policy of 1965–70 was one exception to this situation. Even in that period, however, the PLD-NER and PLD-EER declined (see column 13 in Table 3.2 and column 1 in Table 5.1).

4. The existence of trade-offs between the accomplishment of redistributional objectives and other objectives of the government also has limited success in the attainment of redistributional goals.

5. The government has seemed to be conscious of some of the redistributional implications of foreign-sector policies, but not of others. An example of the latter is the decision to use only fiscal bonds for prior import deposits in 1962–64 (see subsection 4.1.4). The intent of this shift was to limit imports. One regressive result, however, was to create very high scarcity rents for the relatively wealthy bond owners.

6. A second important special-interest group, the highly protected sectors or sub-
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sectors, is briefly considered in section 11.4, below. The bureaucracy to run and cope with the exchange-control system is yet another interest group. Some aspects of the impact of the degree of restrictiveness on government expenditures—in part to support this bureaucracy—are taken up in section 11.2.

7. It clearly would not be desirable from the point of view of the traders. It also might not be desirable from a social point of view. If growth were the overwhelmingly dominant objective, if a shortage of domestic savings were a critical bottleneck restraining growth, if traders had a higher marginal propensity to save than the government, and if traders did not illegally transfer too much of these savings abroad, for example, this transfer of the import premiums might not be socially desirable.

8. If the information were readily available the division of labor into blue- and white-collar groups would be useful and might reveal differential results since social legislation earlier favored the latter group. For the 1940-50 period for which the data exist, however, Marshall [1957:190-192] reports that changes in income distribution between these two groups were not statistically significant.

9. Contrary to the claims of Ffrench-Davis [1971:20], Instituto de Economía [1963: 71], and Sierra [1969:51], the mean real wage and mean wage share for the 1956-58 attempt at stabilization plus liberalization were at least as high as in the previous sub-phase. This point is important because these and other commentators have made such claims part of their criticism of the Ibañez-Klein-Saks effort.

10. Only developments since the Great Depression, and primarily since the Second World War, are considered in this section. Information for the years before the Great Depression is very scanty. However, the expansion of mining production for export did provide a climate conducive to the development of the first strong Chilean labor movements and did provide new loci of political power which supported the election of Arturo Alessandri in 1920 and the subsequent passage of extensive white-collar labor legislation in 1924. For details see Mamalakis [1971:92—118], Muñoz [1968:197], Pinto [1962:100], and Reynolds [1965:228—229].

11. One important point is not discussed below because it is hard to quantify with available data. Restrictive systems tended to discriminate against labor because the large private gains which could be attained by obtaining special exemptions from the regime generally were not captured by the laboring class. Luxury imports through the special regional regimes, especially in Arica, were one example.

Another possibly important point which cannot be quantified is that labor productivity and therefore wages may have been lower because of protection from competitive pressures for efficiency from the international market.

12. Agricultural production, however, may have been discouraged by this policy; so there may have been a long-run direct cost in terms of domestic food production (section 9.2).

13. Hachette [1966] concludes that overvaluation affects the different income quartiles about identically, but benefits the lower-income groups slightly more. If labor income is concentrated in the lower-income groups, the present results are consistent with the direction of relative benefit indicated by Hachette, although the magnitude of the benefits indicated by the present results probably is greater.

Some commentators have pointed to the increasing proportion of indirect taxes in total taxes during liberalization attempts and have concluded that such a shift also was regressive. For example, Ffrench-Davis [1971:36] and Sierra [1969:89] make such a claim because of the increase in indirect taxes from 44.4 to 49.1 per cent of the total during 1959-61. However, most of this increase occurred in import taxes in such a manner that the burden probably was borne largely by middle- and upper-income classes.
To the extent that movements in the consumer deflator overstate movements in the prices paid by laborers because of the differential impact of quantitative restrictions on imports which favor wage goods, the elasticities in Table A.11 overstate the impact on real wages and on the labor share in income. However, it seems unlikely that such a consideration would alter substantially the results reported there.

Note that liberalization would raise average real wages, but increase the disparity between low agricultural wages and much higher mining and manufacturing wages (lines 4.1.1.1-4.1.1.3 for simulation 2.3.1 in Table A.11).

In a neoclassical world with an elasticity of substitution less than 1, a reduction in the cost of capital services would increase the labor share in output. This result is not certain in the real world of Chile, however, because of adjustment problems, unemployed factors, and nonprice determinants of capacity utilization.

The central government provided the necessary subsidies to CORFO.

Some of the more skilled Chilean workers and technicians were paid in dollars before 1971. This procedure meant that inducements existed for substituting more skilled for less skilled labor, as well as capital for labor.

The termination of this practice by the Allende government lowered those recipients' real incomes substantially because they previously had converted part of their dollars into escudos at the favorable black-market NER. Part of the problem in realizing the programmed expansion of large-scale copper mining in the early 1970s, in fact, is reputed to have originated in the exodus of Chilean and foreign technicians because of this change (see subsections 4.2.1 and 7.1.2.3).

With changes of this size, however, the adjustment of copper prices and the price of labor probably would have somewhat offsetting effects on the demand for labor.

The Chileanization and nationalization of copper, the major export, also led to a large movement of resources to the government. This action, however, was part of a long secular trend and was not particularly phase related (see subsection 4.2.1).

It is emphasized in section 1.2 that government revenue depended on the foreign sector before the Great Depression. Total government revenues increased at an annual exponential rate of 0.044 between 1844 and 1928 due to expansion of foreign trade and despite the reduction of revenues from other sources.

Not all of this drop was due to the discouragement of exports by Chilean policy. Part of it reflected a conscious effort to develop domestic sources. Part of it also reflected a decline in exports for reasons beyond Chile's control.

The very restrictive 1952-55 subphase is one example. At other times, however, this pattern did not always hold (line 1.2.6.9 in Table A.1).

Likewise, the only two significant deviations from the secular growth rate for government GDP and for real government direct and financial investment in 1940-65 do not indicate a clear pattern. They both are for Phase II periods, but are opposite in sign (Table A.2).

Within this model, however, the extent of government access to foreign financing is held constant.

Four points about these simulations should be kept in mind: (i) The pre-1967 share of foreign ownership in large-scale copper mining is assumed. (ii) The estimates in Behrman [1974] indicate no direct (or partial-equilibrium) effect of quantitative restrictions on net factor payments from abroad. All the impact is indirect, primarily through variables relating to large-scale mining activity and profits. (iii) The elasticities are so large because the variable of interest is the difference between two flows (see note a to Table A.11). (iv) Capital movements are held fixed exogenously.

in mean profit rates (i.e., the ratio of net profits to book value) for the two largest Chilean copper mines.

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The lack of a phase association is not surprising given the importance of world copper prices in determining profit rates. For the simulation discussed in the text, world copper prices are held constant.