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UNITED STATES INTERNATIONAL TRADE COMMISSION

PROTECTION IN MAJOR TRADING COUNTRIES

Investigation No. 332-65
Under Section 332 of the Tariff Act of 1930

The reader is cautioned that the results of a study of this magnitude are subject to shortcomings in the data and the analytical tools.

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UNITED STATES INTERNATIONAL TRADE COMMISSION

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FOREWORD

This report was prepared by the U.S. International Trade Commission as a part of its investigation 332-65. That investigation was initiated in 1970 at the request of the President, who asked that the U.S. Tariff Commission study the conditions of competition between U.S. and foreign industries and report to him the results of the study. Several reports were completed under this investigation and were forwarded to the President during 1972-73. 1/

On May 9, 1972, the Council on International Economic Policy (CIEP) requested that the Commission continue its work under investigation 332-65 and provide reports on specific topics related to the contemplated negotiations on tariffs and non-tariff barriers under the General Agreement on Tariffs and Trade. The Commission prepared several additional reports in response to the CIEP request, including this report on the levels of industry protection in the United States and its major trading partners.

This report was prepared principally by Dr. Vernon O. Roningen of the Commission's Office of Economic Research.

1/ One of these reports was published as Competitiveness of U.S. Industries, TC Report 473, April 1972. Two other reports dealt with U.S. competitiveness with particular countries, and these reports were not subsequently published.

Introduction

This study attempts to outline, on an industry basis, the levels of protection in the United States and its major trading partners. Comparisons are made of nominal tariff protection across industries and across countries. Additionally, some measurements of "effective" tariff protection are made for comparative purposes on a cross-industry and cross-country basis. 1/ The study also includes some semi-quantitative measures of nontariff barriers for comparison with tariff rates. A statistical analysis of the relationship between protection levels, trade performance, and some industry characteristics concludes the study.

Those interested in comparisons of levels of nominal tariff protection can concentrate on the data and analysis presented in Part I. Part II deals with the measurement of "effective" tariff protection, or the total effects of the tariff structure on Value-Added (VA) in each industry. Part II also presents measurements and some analysis of this type of protection on a cross-industry and cross-country basis. Part III concentrates on traditional economic analysis; here an attempt is made to understand protection levels and the resulting trade patterns via the traditional method of testing economic hypotheses.

1/ "Effective" tariff rates are rates on value-added in production rather than on the product itself. Output product tariffs add to value-added by raising sales prices, while tariffs on input materials raise production costs and lower value-added.

Value-added in the study is defined to be total sales minus material services and inputs. This version of value-added (which includes service purchases) is used so that a particular type of model can be used in Part III.

All studies of this magnitude suffer from data inadequacies, category "matching" or concordance problems, and the difficulties of choosing adequate analytical techniques. As far as is possible, the study attempts to outline clearly the problems encountered and the known shortcomings in the data. Whenever clear alternative methods and measurements are possible, tractable alternatives are presented. Judgments are outlined and readers are given as much of the data and analysis as possible so that they can form alternative judgments if they wish.

The information needed about protection and the questions to be answered are quite simple. For example: What are the levels and/or incidence of tariff and nontariff protection among industries in the United States and its major trading partners? How did protection change for sectors of the U.S. economy during the Kennedy round tariff reduction period and how have these changes affected production and trade patterns? Where does the United States have its natural comparative advantage (so that tariff negotiators may know where to bargain the hardest for concessions from trading partners of the U.S.)? Where does the United States have the least comparative advantage (so that adjustment assistance may be readily offered if concessions are granted)? What are the costs of protection to the U.S. economy as a whole and what possible effects might general tariff reductions have in helping to dampen inflation? The answers to some of these questions lie partially in the careful preparation and presentation of economic data. The answers to the more difficult questions lie in the use of the data in intelligent economic analysis. This study tries to provide guidance along these lines.

Major Conclusions of the Study

The principal contribution of Part I lies in its presentation and comparison of several measures of nominal tariffs and a quasi-quantitative index of the incidence of Non-Tariff Barriers (NTB's) for both the United States and other countries. The study finds that general tariff patterns between the United States and its major trading partners are moderately correlated, with the rank nominal tariff pattern of the United States most similar to Canada's and least similar to Japan's. The same generalization holds true for NTB patterns, but with greater variability. The relationship between the U.S. tariff pattern and the average foreign tariff pattern is stronger than the relation of the U.S. pattern to individual country patterns. For each country studied, there is only a very weak relationship between its own tariff patterns and the pattern of incidence of its NTB's. Considering the implications of all the data in a body, the major trading countries' tariff patterns appear as moderately similar--as do their profiles of NTB incidence--but countries' own tariff and NTB patterns do not evidence much similarity.

Part II presents effective tariff (ET) rates for the United States and other countries, based on input-output relationships prevailing in the U.S. economy. Nominal and effective tariff rates are correlated quite closely on a ranking basis, indicating that the use of the nominal rate as a proxy for the ET rate is reasonable in a statistical analysis or in rank comparisons of tariff heights. Across countries, the rank

correlations show that if certain relationships hold between various sets of nominal rates, they will hold to a slightly lesser extent between the effective rates. For example, U.S. and foreign nominal tariff averages rank correlate at around 0.63, while U.S. and foreign effective tariff averages rank correlate at about 0.53. Generally, the overall variation in ET rates is much greater than that of nominal rates as among industries. Summary statistics indicate that the coefficient of variation for ET rates is well over twice that of nominal rates.

Comparing summary figures on overall nominal and effective tariff averages, it would appear that the cost of protection in the United States is a loss in real income of about five percent--down from 8 or 9 percent in 1965 but still more than half the 1965 cost. Considering that these costs do not include those of NTB's, further tariff negotiations can indeed play a role in increasing national welfare. However, it also is evident that if tariffs were eliminated the adjustment costs (through diminishing factor returns in certain sectors) probably would be as great as those following from the Kennedy Round reductions. The price effects of tariff elimination (i.e. any contribution to an anti-inflation effort), on the other hand, probably would be minimal.

Part III presents strong theoretical reasons for including the effective tariff rate in the measure of industries' comparative advantage in trade. There is also empirical evidence that encourages the supplementing of ET rates with measures of industries' relative health or comparative efficiency. A measure combining both of these aspects is proposed in this study and given preliminary estimates.

The study implies that foreign tariff reductions should be sought for sectors whose comparative advantage measures are high and which exhibit exporting characteristics, namely technology or professionalism and relative capital intensity. Protection can be safely bargained away for industries with a relatively high comparative efficiency or good general health. Adjustment assistance should be anticipated in industries which have low comparative advantage and are experiencing stiff import competition. These generally will be high tariff, low wage industries with low capital/labor ratios and few professionals in the work force.

Finally, trade performance and protection do not weigh heavily in the explanation of the existing status quo of industries. Therefore, the probable effects of reducing protection should be considered in the context of sector price and output behavior. Because trade does not drive the United States economy as much as it does the economies of other countries, the trade effects of protection changes should be fit into a framework that explains industrial performance reasonably well.

Trade negotiators may want some information at a more disaggregated product level than is provided in this study. Disaggregation below the level of the SIC means that researchers cannot tie into the wealth of data available from the Census of Manufactures and other sources. One may not be able to obtain data from existing sources to measure comparative advantage as defined in this part. However, one could crudely

approximate effective rates at the product level where the tariff rates exist. This could be done by using more aggregate input structures and tariffs and changing only the output tariff level in the ET formula.

It is important to note that when an industry as defined in this study produces many products, some of these products are competitive while others are not. The average industry comparative advantage is an average of all of its product performances. Hence it is important, even in a generally non-competitive industry, to identify the competitiveness of the various products. Removal of tariffs or NTB's, even in generally non-competitive industries, may affect only some of the product lines. Other products will be able to compete and should be so identified in the consideration of adjustment assistance.

PART I

Nominal Protection in the United States and Its Major Trading Partners

The measurement of tariff protection levels in the form of tariff averages and of Non-Tariff Barriers (NTB's) is a difficult problem. NTB's defy simple measurement, whether in comparisons across products, in comparisons across industries and countries, or in comparisons with tariff levels. 1/ Tariff level measures themselves depend heavily on aggregation and concordance problems. These problems arise because tariff and trade data are not always available for all countries on the same classification basis. Hence, concordances must be used to move data to a comparable basis. If data and analysis are needed on an industry level, these problems are further complicated because trade and tariff data are generally compiled on a more detailed product basis, while industry production and employment data are available only on a more aggregate production process or enterprise basis. In this study the desire for certain types of analysis meant that all data had to be aggregated to various versions of the industry-based Standard Industrial Classification (SIC) scheme. 2/

1/ An attempt has been made to document tariff and non-tariff barriers at the U.S. Tariff Commission. This study used data on tariff levels compiled by the General Agreement on Tariffs and Trade (GATT) and data on non-tariff barriers compiled and organized from several sources. See: Parts I, II, III, and IV of Trade Barriers, Report to the United States Senate and its Subcommittee on International Trade. U.S. Tariff Commission publication 665, Washington, D.C., April 1974.

2/ Definitions of the pure SIC (four digit) numbers used in this study can be found in: Standard Industrial Classification Manual 1967, Bureau of the Budget, Office of Statistical Standards, Washington, D.C. The SIC code tries to classify industry data by types of production activities. This gives rise to obvious problems with product oriented classifications because essentially the same product can sometimes be produced by different processes.

Aggregation from one classification scheme for trade and tariff data to another (so that the trade and tariff data can match industry data) calls for complex concordances. Two guiding and sometimes conflicting principles led to data presentation in this study by two separate concordance schemes. The first principle was the dedication to a thorough study of protection via the "effective" tariff concept as pursued in Parts II and III of this study. This led to presentation of most of the data by an Input-Output based SIC (IO-SIC), which is the scheme of classification of the 1963 U.S. input-output table. 1/ The second principle was to provide the most detailed level of disaggregation possible and still be confident of reasonable matches of trade and production data given the concordances available for this purpose. 2/ This latter consideration led to the laborious preparation of the Trade Commission SIC (TC-SIC) which tried to provide the least possible aggregation of pure four-digit numbers that would allow matching of trade and industry data. Where data are presented by either scheme, the table

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1/ The definition of the input-output SIC and its relation to the pure SIC is found in a mimeographed tape description accompanying the large 478 sector 1963 input-output table on magnetic computer tape. This may be obtained from: The Interindustry Economics Division, Bureau of Economic Analysis, Department of Commerce, Wash., D.C. For most of the manufacturing sectors, IO-SIC numbers are identical to pure SIC numbers. However, the input-output table does aggregate some manufacturing industries and any of the mining and agriculture sectors. Stubs of the tables containing data on an IO-SIC basis bill also contain the pure SIC numbers so that the reader may see exactly what industries are aggregated in the manufacturing sectors.

2/ The basic available concordances for matching trade, tariff and production data are found in a Commerce Department publication, U.S. Foreign Trade Statistics, Classifications and Cross Classifications 1970, U.S. Department of Commerce, Bureau of the Census, Wash., D.C., 20233, February 1971. Most of the Trade Commission concordance work done for this study began with computer tapes of the concordances in this publication.

stub will show the four-digit pure SIC's that were combined. While this study will rely most heavily on the IO-SIC because of its emphasis on an inter-industry analytical approach, it will present some tariff data and analysis by the TC-SIC where feasible. 1/ As is always true in economic analysis, organization of the data depends heavily on the analytical approach used. Aside from analytical gains which are to be made with each kind of concordance, hopefully the multiple presentation will alert the reader to the seriousness of the concordance problem.

Aside from concordance problems, there are also problems of aggregation. It is generally well known that tariff averages differ considerably depending upon how tariff rates are weighted when they are aggregated. It is also recognized that no weighting scheme is perfect since each type of weight may introduce its own types of bias into the average. Therefore, wherever possible, various types of aggregate measures are shown for comparison purposes. This will give the reader an overall feeling for the aggregation weighting problem, and he can pinpoint those sectors whose averages are the most sensitive to the weighting scheme involved. It is generally true that for both the concordance and aggregation problems, some sectors' averages are very sensitive to schemes used while other sectors' averages are not. These differing sector

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1/ The IO-SIC has the disadvantage of over-aggregation for some manufacturing sectors and under-aggregation for others. In the latter case it was not possible to accurately match trade data to TC-SIC sectors for all traded products. However, it was possible to find reasonable tariff rates for all sectors. From the inter-industry analytical viewpoint, the TC-SIC does not cover all of the sectors in the 1963 input-output table and thus is unacceptable.

sensitivities must be kept in mind by the reader making cross-sector comparisons of protection levels and by the researcher using the various data in statistical analysis.

As much of the data as possible are presented in tabular form. Key variables for comparison also are presented in graphical form for quick visual comparison. Many of the tables are in related formats. Due to the mass of the data to be presented -- and the consequent large volume of tabular and graphic materials -- all tables and charts are presented at the end of Part I, following page 21 .

Matching Trade, Tariff, and Production Data

In calculating tariff averages for the IO-SIC sectors, basic data on imports for consumption and Ad Valorem Equivalent (AVE) tariff rates for each TSUSA (Tariff Schedules of the United States Annotated) number were taken from Trade Commission computer tapes. They were combined in one tape, together with Post Kennedy Round (PKR) rates and concordance information relating the TSUSA to the "import based" SIC and the U.S. version of the Standard International Trade Classification (SITC). 1/ The final data tape had data on imports for consumption for 1965 and 1970. Data for 1970 were the most recent available when this study was initiated, and 1965 was the earliest year chosen because it minimized the extent of change in the TSUSA numbers. When the tape had been prepared, it was necessary to carry out several adjustments in order to find tariff

1/ The SITC is an official international 5-digit reporting system for trade data. It is used by most countries and by international agencies when publishing comparative trade data. The United States bases its own Schedule A import reporting codes and its Schedule B export reporting codes on the SITC. The U.S. version of the SITC refers to numbers used by the United States to report its trade data to the United Nations. These numbers differ slightly from the pure SITC in that some are not found in the official SITC and some have less than 5-digits. These exceptions are made when the United States feels that it own trade data reporting systems do not make the clear distinctions that are intended in the pure SITC.

The "import based" SIC is the version of the SIC matched to Schedule A numbers. This version is used for aggregation of U.S. import data to an SIC basis. A similar "export based" SIC is matched to Schedule B numbers for aggregating U.S. export data to an SIC base. Unfortunately, the "import based" and "export based" SIC numbers differ in some cases from the pure SIC. This occurs because product-grouped trade data do not always distinguish between similar products coming from different production sectors or processes.

Both product oriented and production activity oriented classification schemes have their own additions such as leftover categories for products or processes that can't be classified elsewhere.

rates for all IO-SIC sectors. This was done by splitting certain TSUSA numbers so that a tariff rate and some imports would be put into the IO-SIC categories that had none. The splitting procedure was somewhat arbitrary. This means that the tariff rates would be satisfactory but the corresponding import data might not be realistic for some sectors. Fortunately, very few sectors required this procedure. 1/

Finally, broad conversion factors were used to convert import data from an f.o.b. basis to a c.i.f. basis. This would make import figures a little higher and economically meaningful tariff averages a little lower. 2/

The source of data for foreign tariffs was a databank used in a previous Trade Commission study. 3/ These data were derived from a study done by the General Agreement on Tariffs and Trade (GATT) which put together, from national tariff schedules and data, a set of tariff averages for the 4-digit Brussels Tariff Nomenclature (BTN) scheme. Most major trading countries use this BTN system for their tariff schedules (the United States and Canada are two major exceptions). Thus, for a

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1/ The advantage of the TC-SIC concordance is that when trade data could not be knowledgeably assigned to two or more pure SIC categories, those SIC categories were combined. The TC-SIC is a modification of the U.S. import based and the U.S. export based SIC. The IO-SIC is a modification only of the U.S. import based SIC.

2/ There were only 20 conversion factors. These were obtained from the September 1967 issue of report FT990 which reports U.S. imports. Let: M=imports, T=tariff rate, R=tariff revenue, and C=a c.i.f. to f.o.b. conversion factor. Then R=T(f.o.b.)xM(f.o.b.)=T(c.i.f.)xM(c.i.f.) where M (c.i.f.)=M(f.o.b.)x(1+c). Thus T(c.i.f.)=T(f.o.b.)xM(f.o.b.)/M(c.i.f.) =T(f.o.b.)/(1+c).

3/ Trade Barriers, etc., op. cit.

meaningful comparison of U.S. and foreign protection levels, the GATT sources were relied upon since they have carried out a conversion of all tariffs to a common scheme.

The first step in the use of these data was the addition of a letter after some of the 4-digit BTN numbers. This allows a one-to-one correspondence of this new "5 digit" BTN with the SITC scheme. 1/ A concordance was then created between the pure SITC and the U.S. import based SITC. This allowed an indirect moving of GATT 4-digit BTN tariff rates to 5-digit BTN (the same 4-digit rate was applied to each 5-digit number), then to pure SITC, then to U.S. import SITC, and finally via data on the U.S. trade and tariff tape, to IO-SIC. There are possible sources of error in such a scheme. First, conversion by the GATT of U.S. and Canadian tariffs to BTN could have encountered problems. Second, the application of the same 4-digit rate to 5-digit BTN numbers suppressed any real variance in tariff rates that those 5-digit numbers might have had. The conversion of pure SITC to U.S. import-based SITC involves the same problem since the former scheme has a few more distinct numbers than the latter. Finally, the conversion from U.S. import-based SITC to IO-SIC has the problems inherent in that concordance.

Data on NTB's also came from a data file previously prepared for a Trade Commission study. 2/ It was compiled originally on a 5-digit

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1/ For a listing of the BTN (5-digit) - 5-digit SITC concordance see: Nomenclature for the Classification of Goods in Customs Tariffs, Customs Co-operation Council, 40, Rue Washington, B-1050, Brussels, Belgium, 1972.

2/ Trade Barriers, etc. op. cit.

BTN basis and was aggregated to the IO-SIC level according to the scheme described above.

As mentioned previously, tariff averages vary depending upon the weighting scheme used for aggregation. In the case of U.S. tariffs directly from U.S. sources, the study used import weighted and unweighted averages. (The import weights were 1970 imports.) 1/ Import weighted averages have the disadvantage of possibly understating the effects of high prohibitive tariffs which may cause low or zero import weights. Unweighted averages have the problem that they may count tariff rates of items that do not significantly enter trade on an equal basis with items which are heavily traded. It has been proposed that some of these difficulties might be overcome by using domestic production weights or world trade weights. However, neither was operationally available at the TSUSA level for use in this study. Thus, only import weighted and simple averages are presented for U.S. tariffs aggregated from U.S. sources. 2/ The GATT provided two tariff averages at the BTN level for its data set. One was an own-country import weighted average and the other was a simple average of line items in the countries' tariff schedules. This study takes these two starting 4-digit BTN averages and averages the results down to IO-SIC levels. Data on non-tariff

1/ The use of 1970 imports to aggregate 1965 tariff rates added some advantages and some losses. It was an advantage to use constant weights for the 1965, 1970, and PKR rates so that one could minimize problems of tariff averages shifting due to changing weights. However, because of changes in TSUSA numbers some 1965 tariff rates were omitted in the averaging process. Hence, some 1965 rates seem to be out of line with the 1970 averages.

2/ In formulating the U.S. averages it was not possible to get away from import weighted averages at the TSUSA line item level since this method had to be used to convert many specific rates to ad valorem rates. The GATT would also have had to use some sort of import weights for this kind of conversion.

barriers were also averaged down to the IO-SIC level.

Data for the TC-SIC had the advantage of using direct concordances, which were prepared by the Trade Commission. Thus, U.S. simple tariff averages went directly from TSUSA to TC-SIC, while BTN tariffs went to SITC as outlined above and then directly to TC-SIC via a concordance. NTB measures went almost the same direct route used by the BTN-based tariffs. The TC-SIC also had the advantage of being able to convert U.S. trade directly from Schedules A and B to TC-SIC and international trade data directly from pure SITC to TC-SIC via modified official concordances.

International trade data for the IO-SIC went the same indirect route from pure SITC to IO-SIC as did the NTB data. U.S. import data went to the IO-SIC via the TSUSA TC-SIC concordance, and some export data went from the Schedule B export-based SIC to the IO-SIC.

Problems arise in the use of any concordance; the IO-SIC probably gives rise to more problems than the TC-SIC. However, the use of the data partly determines how serious the problems will be. If the objective is to correctly match trade and production data to get ratios such as imports to consumption or exports to shipments, correct and accurate concordances are essential. If the intention is to look at ratios of trade or tariff variables that have both been converted through the same imperfect concordance, then concordance errors may well cancel out, thus allowing an imperfect concordance to give meaningful ratios. For that reason, many researchers use variables such as export shares and trade

balances rather than variables that purport to be direct matches between trade and domestic production data. If variables such as import consumption ratios are used in a statistical analysis, rather than for observations of exact values, concordance defects may not greatly affect the statistical results. It is in these latter uses that this study applies concordances which might be deemed inadequate for other uses.

Comments on data procedures can be concluded with a description of the basic NTB data. The Trade Commission study made use of a databank that contained information on NTB's for several countries by product category. For each country, a matrix was created for 15 types of quantitative restrictions over 1,318 5-digit BTN numbers. The types of quantitative restrictions were: 1/

1. Bilateral quota
2. Global quota
3. Quota (unspecified)
4. Prohibited imports (embargoes)
5. State trading
6. Automatic licensing
7. Liberal licensing
8. Discretionary licensing
9. Licensing (unspecified)
10. Minimum price system
11. Seasonal restriction
12. Restriction (unspecified)
13. Export restraint
14. Suspended import restriction
15. Mixing regulation

A number "2" was placed in a cell (a particular restriction and a particular 5-digit BTN number) if the restriction applied to the entire BTN

1/ Page 162, Vol. 4, Trade Barriers, op. cit.

number and "1" was placed there if the restriction applied to only some of the items in the BTN category. The Trade Commission report on NTB's used this type of information to create various aggregate frequency indices by broad BTN categories. This study starts with the same data and makes approximately the same type of calculation. The NTB matrix is run through the concordance, adding across restrictions and then dividing by the total number of possible restrictions in a particular SIC category (this total will be 2 times 15 restrictions times the number of BTN numbers finally ending up in a particular SIC category via the concordance). The index in a particular SIC category is then the actual number of NTB's as a percentage of the total number possible within the SIC category. Thus, the NTB indices serve as relative measures of the frequency of existence of known NTB's within various SIC categories. At a minimum, the numbers can be treated as dummy variables indicating whether or not a particular SIC category probably has some NTB's applied to it. 1/ To the extent that more types of restrictions against a product are associated with quantitatively stronger restrictions against the product, the NTB indices may have some quantitative dimension to them.

The data and analysis

The data in Tables 1 and 3 give information on levels of nominal tariff protection and on relative frequencies of NTB's for the United States and her major trading partners. Chart 1 (following Table 1) gives

1/ "Probably" is used because it may be possible, because of concordance problems, to have NTB's assigned to SIC sectors where they do not belong. This could happen because the concordance may apply the same BTN number carrying an NTB to more than one SIC sector.

tariff profiles for the United States using the PKR rates in column 4 of Table 1.

A glance at differences in the U.S. PKR tariff rates and the GATT U.S. (PKR) rates indicates that concordance and weighting problems do exist for many sectors. Caution is required when examining sectors whose US-sourced and GATT-sourced tariffs differ significantly. The U.S. rates from U.S. data probably are more nearly correct as a comparative sector by sector measure of tariff rates. However, the GATT data would be more appropriate in comparing relative U.S. and foreign rates. Table 2 and Table 4 give rank correlation matrices, ranks, and summary statistics for Table 1 and Table 2, respectively. In spite of the concordance problem, the rank correlation between the U.S. PKR (column 4) and the GATT U.S. PKR (column 5) is about 0.8 in both Tables 1 and 3. Thus, on an overall ranking basis the two measures do not differ much from each other.

Table 5 sheds some light on the weighting problem. It gives rank correlation coefficients between weighted and unweighted versions of both U.S. tariffs and GATT tariffs. The weighted and unweighted rates for U.S. tariffs rank correlate around 0.85, while the GATT rates range from 0.86 to 0.94. 1/ Although the differences in ranks are not large, the weighting problem (given a particular concordance) causes almost as much difference in the rankings as when rates are converted to SIC with the same weighting scheme but using a different concordance.

1/ One expects the GATT rates to be more highly correlated since weighting differences occur only in going from country tariff schedules to the BTN. Simple averaging was used from the BTN to the IO-SIC for the GATT rates for both tables 1 and 3.

There are two measures of the average tariffs and NTB frequency indices of U.S. trading partners. Columns 9 and 16 of Tables 1 and 3 are simple averages of the measures for the EEC, Canada, Japan, and the United Kingdom. Columns 10 and 17 are weighted averages of the measures of 16 countries where the weights are shares of overall U.S. exports to these countries. 1/ The rank correlation coefficients between these measures are about 0.95 both for tariffs and NTB's. Hence, either of them can serve as a good proxy for restrictions facing the United States.

The general tariff patterns between the United States and its major trading partners are moderately correlated. The rank nominal tariff pattern of the United States seems to be the most similar to Canada's and the least similar to Japan's. The same generalization holds true for NTB patterns, except that there is more variability inasmuch as the correlation coefficients between U.S. and foreign patterns range between 0.18 and 0.61. Again, the U.S. is most similar to Canada and least similar to Japan. 2/

Chart 2 gives a graphical summary of differences between U.S. and foreign tariffs. The graph presents the simple differences between the U.S. rates in column 5 and the "average" foreign rate in column 10 of Table 3.

The relation between the U.S. tariff pattern and the average foreign tariff pattern is stronger than the relationships of the U.S. pattern

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1/ See table footnote for formula.

2/ Caution must be taken not to associate the NTB frequency indices too strongly with the possible magnitudes of the NTB's. It is quite possible that a sector has only a small NTB incidence but that these particular NTB's have large economic effects.

to individual country patterns. (In the former case there is a rank correlation coefficient of about 0.63.) Also, for NTB's the correlation between the U.S. pattern and the average foreign pattern is at the upper end of the scale of country-by-country correlations. Thus, on the average there is a moderate relationship between U.S. and foreign tariff patterns and U.S. and foreign NTB incidence patterns.

It is quite significant that for each country there is a very weak relationship between its own tariff patterns and the NTB incidence pattern. The relationship is weak but positively significant for the EEC and Japan. The relationship is not statistically significant for the United States and Canada, using weighted tariffs. There is a weak positive relationship for the United States when unweighted tariff averages are used.

Table 6 gives unweighted averages of U.S. and foreign tariffs by TC-SIC. Table 7 gives the rank correlations, ranks, and summary statistics of the variables in Table 6. The U.S. tariff rates were converted directly from TSUSA to TC-SIC, the GATT rates and the NTB indices were converted from 4-digit BTN to 5-digit BTN to pure SITC and then directly to TC-SIC via a newly created concordance. Therefore, the GATT rates for some sectors differ from those by IO-SIC in Table 4.

For the TC-SIC, the rank correlation of U.S. tariff rates and NTB frequency indices is slightly positive and a bit stronger than in the

data by IO-SIC. Other general relationships between tariff rates (United States and foreign) and NTB's seem to hold statistically about the same as indicated with the IO-SIC data.

On an overall basis, the data indicate that countries' tariff patterns are moderately similar, countries' NTB patterns are moderately similar, but countries' own tariff and NTB patterns are not.

Table 1.--Nominal tariff rates and non-tariff barrier indices for major trading areas

(Using trade weighted tariff averages)

IO-SIC	SECTOR DESCRIPTION (PROD SIC)	[illegible]			GATT TARIFF AVERAGES (PERCENT)						NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL [illegible] ACTIVITIES)						
		[illegible]	[illegible]	[illegible]	[illegible]	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.	US	EEC	CANADA	JAPAN	UK	EEC CAN JAP UK	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
101	DAIRY FARM PRODUCTS (101)	0.6	[illegible]	2.6	6.0	[illegible]	17.5	0.0	6.9	6.9	6.7	11.5	0.0	20.0	7.0	12.5	3.3
102	POULTRY & EGGS (102)	10.?	10.?	0.0	0.0	3.3	3.1	6.0	4.2	3.4	2.5	0.5	3.3	0.0	0.5	3.9	2.4
103	MEAT, ANIMALS, & MISCELLANEOUS LIVESTOCK PRODUCTS (103)	[illegible]	[illegible]	7.6	0.9	2.5	2.8	3.5	3.0	2.7	0.7	1.7	0.0	0.7	[illegible]	1.3	0.8
201	COTTON (201)	[illegible]	[illegible]	5.7	3.5	0.0	0.0	2.6	0.7	0.6	1.7	3.3	3.3	3.7	0.0	2.9	2.7
202	FOOD FEED GRAINS & GRASS SEEDS (202)	0.0	3.0	6.0	5.3	3.0	2.6	6.7	4.0	3.6	1.9	0.8	1.1	4.9	1.0	5.9	4.0
203	TOBACCO (203)	17.1	[illegible]	20.3	21.1	3.7	22.0	355.0	104.3	79.8	0.0	5.7	6.7	6.7	0.9	8.9	6.7
204	FRUITS & TREE NUTS (204)	[illegible]	[illegible]	1.2	7.7	12.3	9.6	12.1	8.5	8.7	0.8	5.3	3.8	2.9	1.?	4.6	3.6
205	VEGETABLES, SUGAR & MISC. CROPS (205)	31.9	[illegible]	6.8	6.3	4.6	1.6	6.5	4.1	3.7	0.9	3.7	1.9	1.?	0.3	2.9	2.1
206	OIL BEARING CROPS (206)	0.3	[illegible]	[illegible]	2.2	3.1	1.7	5.7	2.5	2.2	1.7	5.2	5.5	2.5	0.0	4.9	3.6
207	FOREST, GREENHOUSE & NURSERY PRODUCTS (207)	2.0	2.?	3.7	3.6	2.6	6.2	8.0	6.1	5.6	0.5	4.6	1.7	2.2	0.5	3.6	2.4
300	FORESTRY & FISHERY PRODUCTS (300)	1.2	0.?	0.6	7.0	10.8	7.3	9.3	9.0	8.6	0.2	0.9	0.3	0.3	0.1	0.7	0.5
500	IRON & FERROALLOY ORES MINING (500)	0.3	0.3	0.5	1.9	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
601	COPPER ORE MINING (601)	0.6	0.9	1.2	3.?	0.0	0.2	2.8	0.7	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
602	NONFERROUS METAL ORES MINING, EXCEPT COPPER (602)	2.3	1.?	1.?	3.8	3.6	1.3	1.3	0.9	1.0	0.0	0.0	0.0	1.2	0.0	0.2	0.3
700	COAL MINING (700)	0.0	0.?	0.0	0.0	2.0	0.0	0.0	0.5	0.7	0.0	3.6	0.0	3.3	0.7	3.8	2.3
800	CRUDE PETROLEUM & NATURAL GAS (800)	3.0	3.0	3.0	1.3	0.6	0.2	7.6	2.2	1.7	4.4	2.2	1.1	0.0	0.0	1.5	1.0
900	STONE & CLAY MINING & QUARRYING (900)	0.2	0.3	0.1	3.3	2.5	5.?	3.4	4.0	3.7	0.0	0.3	0.0	0.1	0.0	0.2	0.1
1000	CHEMICAL & FERTILIZER MINERAL MINING (1000)	3.1	3.2	2.0	3.1	2.0	9.0	1.7	2.0	2.0	0.0	0.6	0.0	1.1	0.0	0.1	0.3
1419	CANE SUGAR, EXCLUDING REFINING (2061) +																
	CANE SUGAR REFINING (2062) +																
	BEET SUGAR (2063)	7.3	6.2	7.4	4.3	0.0	22.3	74.0	27.3	23.0	6.7	2.9	4.7	7.3	1.0	3.0	4.1
1701	WOVEN CARPETS & RUGS (2271) +																
	TUFTED CARPETS & RUGS (2272) +																
	CARPETS & RUGS, N.E.C. (2279)	17.2	13.?	10.2	10.?	18.5	20.1	12.?	14.2	15.0	2.2	2.4	0.0	0.0	0.3	1.5	0.7
1804	MEN'S & BOYS' SUITS, COATS & OVERCOATS (2311) +																
	MEN'S & BOYS' SHIRTS, COLLARS & NIGHTWEAR (2321) +																
	MEN'S & BOYS' UNDERWEAR (2322) +																
	MEN'S & BOYS' NECKWEAR (2323) +																
	MEN'S & BOYS' SEPARATE TROUSERS (2327) +																
	MEN'S & BOYS' WORK CLOTHING (2328) +																
	MEN'S & BOYS' CLOTHING, N.E.C. (2329) +																
	WOMEN'S & JUNIORS' BLOUSES, WAISTS, & SHIRTS (2331) +																
	WOMEN'S & JUNIORS' DRESSES (2335) +																
	WOMEN'S & JUNIORS' SUITS, SKIRTS, & COATS (2337) +																
	WOMEN'S & JUNIORS' OUTERWEAR, N.E.C. (2339) +																
	WOMEN'S, CHILDRENS' & INFANTS' UNDERWEAR & NIGHTWEAR (2341) +																
	CORSETS & ALLIED GARMENTS (2342) +																
	MILLINERY (2351) +																
	HATS & CAPS, EXCEPT MILLINERY (2352) +																
	GIRLS' & INFANTS' DRESSES, BLOUSES, WAISTS & SHIRTS (2361) +																
	GIRLS' & INFANTS' COATS & SUITS (2363) +																
	GIRLS' & INFANTS' OUTERWEAR, N.E.C. (2369) +																
	FUR GOODS (2371) +																
	DRESS & WORK GLOVES, EXCEPT KNIT & ALL-LEATHER (2381) +																
	ROBES & DRESSING GOWNS (2384) +																
	RAINCOATS & OTHER WATERPROOF OUTER GARMENTS (2385) +																
	LEATHER & SHEEP LINED CLOTHING (2386) +																
	APPAREL BELTS (2387) +																
	APPAREL & ACCESSORIES, N.E.C. (2389) +																
	FURS, DRESSED & DYED (INCLUDED IN SIC 3999 IN 1967) (3992)	23.0	25.0	25.0	16.0	13.0	37.6	19.1	15.0	14.9	3.0	2.9	0.5	0.0	0.0	2.0	1.1
1925	COMPLETE GUIDED MISSILES (1925)	1.8	1.7	0.3	15.5	4.4	19.9	20.0	11.1	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1929	AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C. (1929)	1.8	1.7	0.3	15.5	4.4	19.9	20.0	11.1	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1931	TANKS & TANK COMPONENTS (1931)	2.5	6.0	5.0	4.5	0.3	17.1	3.8	5.3	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	SMALL ARMS (1951)	16.2	11.0	0.3	11.4	7.8	8.1	18.3	9.8	9.1	1.7	0.0	0.6	0.0	0.0	0.1	0.2
1961	SMALL ARMS AMMUNITION (1961)	0.6	0.0	4.9	12.2	7.5	16.9	18.0	11.5	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	GUNS, HOWITZERS, MORTARS & RELATED EQUIPMENT (1911) +																
	ORDNANCE & ACCESSORIES, N.E.C. (1999)	1.8	1.7	0.3	15.5	4.4	19.9	20.0	11.1	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	MEAT PACKING PLANTS (2011)	7.6	4.5	8.7	4.2	5.9	4.7	8.7	6.1	5.8	1.8	4.6	0.4	2.5	1.5	3.9	2.4
2013	SAUSAGES & OTHER PREPARED MEATS (2013)	10.4	5.2	4.8	3.9	11.5	6.6	18.7	11.8	10.8	3.3	5.8	0.0	7.2	2.7	5.6	3.7
2015	POULTRY DRESSING PLANTS (2015)	9.9	11.7	11.5	6.9	8.5	5.4	14.1	9.4	8.3	0.6	7.3	0.6	5.0	2.7	6.4	3.9
2021	CREAMERY BUTTER (2021)	12.0	9.9	31.0	8.4	0.0	8.8	22.5	9.1	7.8	13.3	9.7	6.7	16.7	7.5	12.1	10.5
2022	CHEESE, NATURAL & PROCESSED (2022)	15.?	13.0	10.0	11.5	0.0	6.1	35.3	14.0	10.2	20.0	0.0	16.7	16.7	4.0	10.8	11.7
2023	CONDENSED & EVAPORATED MILK (2023)	0.8	0.7	0.3	5.7	0.8	34.3	24.2	10.5	10.3	8.3	6.9	7.9	10.4	1.3	7.1	6.9
2024	ICE CREAM & FROZEN DESERTS (2024)	18.0	18.0	10.6	7.0	0.3	11.4	25.8	13.1	12.4	3.3	3.7	0.0	3.3	1.0	3.1	2.2
2026	FLUID MILK (2026)	8.6	6.1	7.9	3.8	7.5	12.0	17.5	11.8	10.9	3.3	9.0	0.0	13.3	3.?	8.8	6.2
2031	CANNED & CURED SEA FOODS (2031)	8.0	6.3	4.6	9.2	16.0	8.7	15.7	11.9	11.9	0.0	4.8	1.7	1.7	1.3	4.0	2.7
2032	CANNED SPECIALTIES (2032)	12.0	8.8	6.5	7.0	16.0	17.1	25.7	17.5	17.8	0.0	3.3	0.0	0.0	0.0	2.1	1.0
2033	CANNED FRUITS & VEGETABLES (2033)	10.4	9.9	9.8	7.8	12.9	9.0	16.1	11.1	11.1	0.3	4.8	0.9	1.9	0.8	3.7	2.3
2034	DEHYDRATED FRUITS & VEGETABLES (2034)	18.0	12.7	11.9	9.3	12.6	7.3	14.0	10.2	10.1	0.2	5.3	1.1	3.3	0.7	4.2	2.6
2035	PICKLES, SAUCES, & SALAD DRESSINGS (2035)	11.5	7.9	5.9	5.8	13.3	10.7	27.8	14.4	14.0	0.0	0.0	0.0	3.3	0.0	0.4	0.5
2036	FRESH OR FROZEN PACKAGED FISH (2036)	1.3	1.1	0.9	2.7	15.5	4.6	9.8	9.5	9.2	1.7	5.2	1.7	1.7	1.3	4.2	2.7
2037	FROZEN FRUITS & VEGETABLES (2037)	13.0	11.9	11.4	12.6	13.6	7.0	15.8	11.0	11.0	0.5	8.1	2.4	3.3	1.0	6.2	4.0
2041	FLOUR & OTHER GRAIN MILL PRODUCTS (2041)	2.5	4.6	3.0	4.8	2.3	7.8	21.3	8.2	7.8	3.8	7.8	5.7	6.2	0.?	6.5	5.3
2042	PREPARED FEEDS FOR ANIMALS & FOWLS (2042)	3.6	2.6	2.0	0.6	3.8	4.6	0.5	3.4	3.5	1.0	4.0	2.4	1.4	0.9	3.3	2.4

Table 1.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using trade weighted tariff averages)

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) 1965	1970	PKR	GATT TARIFF AVERAGES (PERCENT) US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.	NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES) US	EEC	CAN-ADA	JAP-AN	UK	EEC CAN JAP UK	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2043	CEREAL PREPARATIONS----------(2043)----	4.6	2.8	2.8	2.5	0.0	16.7	30.0	14.2	12.6	0.0	8.7	0.0	0.0	0.0	5.4	3.0
2044	RICE MILLING----------(2044)----	7.8	7.8	8.4	8.0	2.0	7.8	19.8	7.8	7.8	8.8	7.6	8.0	10.4	0.8	6.8	8.8
2045	BLENDED & PREPARED FLOUR----------(2045)----	2.3	2.3	2.3	3.9	2.7	9.1	20.7	8.1	8.1	4.4	7.9	6.7	7.2	0.3	6.8	5.9
2046	WET CORN MILLING----------(2046)----	8.6	7.9	3.4	3.0	7.6	9.7	15.7	9.8	9.4	1.3	4.5	4.0	6.0	0.2	4.2	3.7
2051	BREAD, CAKE, & RELATED PRODUCTS-----(2051)----	5.1	3.5	2.4	5.1	0.0	10.2	22.9	10.8	9.5	1.7	7.5	0.0	0.0	0.0	4.6	2.1
2052	COOKIES & CRACKERS----------(2052)----	5.9	4.2	2.8	6.8	0.0	10.6	25.6	11.6	10.1	2.2	7.1	0.0	0.0	0.0	4.4	2.1
2071	CONFECTIONERY PRODUCTS----------(2071)----	12.7	9.2	7.1	9.0	11.5	10.2	25.5	18.4	13.0	6.7	5.9	1.1	5.0	0.8	4.8	3.2
2072	CHOCOLATE & COCOA PRODUCTS----------(2072)----	6.1	3.0	2.3	1.7	8.4	5.5	10.9	6.8	7.0	2.1	1.8	1.8	2.1	0.5	1.7	1.4
2073	CHEWING GUM----------(2073)----	9.1	6.5	4.6	2.5	7.0	6.8	11.7	7.4	7.4	4.4	4.6	0.0	2.2	0.0	2.5	1.3
2082	MALT LIQUORS----------(2082)----	9.1	5.8	4.1	5.8	6.0	10.8	12.5	9.7	9.4	0.8	6.2	1.7	3.3	0.5	4.7	3.3
2083	MALT----------(2083)----	5.6	5.7	5.4	6.3	0.0	6.5	15.0	7.9	6.1	0.0	7.3	0.0	13.3	0.0	6.3	4.3
2084	WINES, BRANDY, & BRANDY SPIRITS-----(2084)----	10.5	9.1	8.3	6.0	29.7	7.7	52.0	25.0	23.3	3.3	16.1	4.7	0.0	0.4	10.0	7.1
2085	DISTILLED LIQUOR, EXCEPT BRANDY-----(2085)----	18.4	12.6	9.1	9.6	26.6	14.5	91.2	33.3	30.2	3.3	20.0	3.3	0.0	2.0	13.0	8.7
2086	BOTTLED & CANNED SOFT DRINKS--------(2086)----	2.0	1.2	1.1	1.3	8.4	3.3	18.8	9.5	8.4	0.0	6.7	0.0	3.3	0.0	4.6	2.5
2087	FLAVORING EXTRACTS & SYRUPS, N.E.C.-(2087)----	16.8	15.6	13.8	3.7	11.3	4.9	21.5	10.8	10.0	0.5	4.4	0.5	1.4	0.4	3.2	2.0
2091	COTTONSEED OIL MILLS----------(2091)----	0.0	0.1	0.0	2.1	2.7	2.7	4.3	4.3	3.3	0.0	2.7	2.2	4.4	0.0	2.5	2.3
2092	SOYBEAN OIL MILLS----------(2092)----	48.0	31.9	20.8	5.2	8.2	7.9	11.6	10.1	8.7	0.0	8.0	6.7	6.7	0.0	6.7	5.7
2093	VEGETABLE OIL MILLS, N.E.C.----------(2093)----	5.0	6.4	5.5	5.4	8.2	8.0	10.4	9.7	8.5	0.0	6.5	5.6	2.5	0.3	5.2	4.2
2094	ANIMAL & MARINE FATS & OILS----------(2094)----	0.6	0.2	0.2	4.2	2.3	4.9	4.1	4.9	3.9	0.0	3.1	3.0	0.6	0.5	2.6	2.1
2095	ROASTED COFFEE----------(2095)----	0.0	0.0	0.0	0.0	13.1	2.9	12.5	8.0	8.3	1.7	4.3	1.7	0.0	0.0	2.9	1.8
2096	SHORTENING & COOKING OILS----------(2096)----	28.8	28.8	22.9	18.4	12.5	9.5	12.7	9.9	10.1	3.3	4.7	5.0	0.0	1.0	4.0	3.5
2097	MANUFACTURED ICE----------(2097)----	0.0	0.0	0.0	1.5	1.8	0.1	2.5	2.3	1.8	0.0	6.7	0.0	0.0	0.0	4.2	2.0
2098	MACARONI & SPAGHETTI----------(2098)----	5.5	3.6	2.7	2.8	0.0	10.3	28.6	12.2	11.6	0.0	8.0	0.0	0.0	0.0	5.0	2.7
2099	FOOD PREPARATIONS, N.E.C.----------(2099)----	8.1	6.5	5.8	4.8	10.4	8.6	15.0	10.3	10.1	1.0	5.0	0.9	2.5	0.5	3.8	2.4
2100	NAILED WOODEN BOXES & SHOOK----------(2441)-+																
	WIREBOUND BOXES & CRATES----------(2442)-+																
	VENEER & PLYWOOD CONTAINERS, EXCEPT +																
	EXCEPT BOXES & CRATES----------(2443)-+																
	COOPERAGE----------(2445)----	4.7	5.5	5.1	4.8	7.4	10.7	7.1	7.9	8.2	0.0	1.0	0.0	0.0	0.0	0.6	0.1
2111	CIGARETTES----------(2111)----	40.8	40.8	48.5	16.6	78.4	30.2	348.4	120.1	102.3	0.0	8.0	6.7	6.7	4.0	8.3	6.3
2121	CIGARS----------(2121)----	0.0	20.4	13.0	16.6	78.4	30.2	348.4	120.1	102.3	0.0	8.0	6.7	6.7	5.0	8.8	6.7
2131	CHEWING & SMOKING TOBACCO----------(2131)----	12.4	12.7	13.2	16.6	78.4	30.2	348.4	120.1	102.3	0.0	6.7	6.7	6.7	4.0	7.5	6.0
2141	TOBACCO STEMMING & REDRYING----------(2141)----	18.0	16.5	17.2	21.1	23.7	22.0	355.0	104.3	79.8	0.0	8.7	6.7	6.7	4.0	8.8	6.7
2201	BROAD WOVEN FABRIC MILLS, COTTON----(2211)-+																
	BROAD WOVEN FABRIC MILLS, MAN-MADE +																
	FIBER & SILK----------(2221)-+																
	BROAD WOVEN FABRIC MILLS, WOOL +																
	INCLUDING DYEING & FINISHING-------(2231)-+																
	FINISHERS OF BROAD WOVEN FABRICS OF +																
	COTTON----------(2261)-+																
	FINISHERS OF BROAD WOVEN FABRICS OF +																
	MAN-MADE FIBER & SILK----------(2262)----	21.3	24.1	22.7	17.7	12.1	16.6	8.4	13.5	13.4	1.8	3.5	1.3	0.0	1.1	2.8	1.8
2241	NARROW FABRIC MILLS----------(2241)----	20.5	17.0	14.3	11.1	8.3	11.1	9.1	10.0	9.7	1.1	1.2	0.1	0.0	0.3	0.9	0.4
2251	WOMEN'S HOSIERY, EXCEPT SOCKS--------(2251)----	26.3	29.8	28.2	29.2	13.0	26.1	12.7	19.0	19.4	3.3	4.0	0.0	0.0	1.0	2.9	1.3
2252	HOSIERY, N.E.C.----------(2252)----	26.3	33.8	33.6	19.1	12.8	24.9	13.7	17.5	17.9	4.0	3.5	0.7	0.0	0.8	2.6	1.5
2253	KNIT OUTERWEAR MILLS----------(2253)----	27.6	33.8	33.6	20.0	13.5	25.0	15.1	16.0	18.2	3.8	4.6	1.4	0.0	0.9	3.4	2.1
2254	KNIT UNDERWEAR MILLS----------(2254)----	27.5	35.1	36.2	26.1	17.0	27.5	18.9	20.8	21.2	3.3	8.7	3.3	0.0	2.0	6.7	4.3
2256	KNIT FABRIC MILLS----------(2256)----	27.5	27.2	27.2	33.5	13.1	27.5	14.8	18.3	18.9	3.3	3.3	0.0	0.0	0.0	2.1	1.0
2259	KNITTING MILLS, N.E.C.----------(2259)----	29.5	18.2	14.3	16.8	15.0	24.2	12.4	17.1	17.8	3.8	4.1	1.0	0.0	0.9	3.0	1.7
2280	FINISHERS OF TEXTILES, N.E.C.--------(2269)-+																
	YARN SPINNING MILLS----------(2281)-+																
	YARN THROWING, TWISTING, & WINDING +																
	MILLS----------(2282)-+																
	YARN MILLS, WOOL, INCLUDING CARPET +																
	& RUG YARN----------(2283)----	17.2	17.5	15.0	12.6	8.0	10.9	9.0	9.7	9.3	1.0	1.0	0.1	0.0	0.2	0.7	0.3
2284	THREAD MILLS----------(2284)----	18.0	17.8	17.6	13.3	7.8	8.0	10.5	9.4	8.5	0.9	0.5	0.0	0.0	0.2	0.4	0.1
2291	FELT GOODS, N.E.C.----------(2291)----	26.0	20.6	17.2	17.1	8.2	19.8	7.9	12.0	12.5	3.3	3.0	0.0	0.0	0.0	1.9	0.8
2292	LACE GOODS----------(2292)----	32.5	29.7	26.1	15.9	13.0	20.8	15.8	17.4	16.9	3.3	4.6	0.6	0.0	0.5	3.1	1.7
2293	PADDINGS & UPHOLSTERY FILLING--------(2293)----	23.2	19.7	16.9	7.5	2.6	9.2	2.5	5.0	5.2	1.7	1.7	0.0	0.0	0.0	1.0	0.5
2294	PROCESSED TEXTILE WASTE----------(2294)----	9.0	8.3	5.6	4.9	4.0	1.9	3.4	4.1	3.4	2.2	0.6	0.0	0.0	0.1	0.4	0.1
2295	COATED FABRICS, NOT RUBBERIZED-------(2295)----	13.0	10.7	9.4	8.4	9.5	17.8	8.2	13.3	13.0	0.0	2.7	0.0	0.0	1.0	2.1	1.0
2296	TIRE CORD & FABRIC----------(2296)----	6.4	15.8	11.6	14.6	13.0	17.9	8.7	14.7	14.6	3.3	7.2	3.3	0.0	2.0	5.7	3.8
2297	SCOURING & COMBING PLANTS----------(2297)----	15.6	16.0	13.9	18.4	3.0	2.9	2.1	3.2	2.8	0.0	0.0	1.0	0.0	0.0	0.1	0.3
2298	CORDAGE & TWINE----------(2298)----	5.5	5.4	5.1	15.7	11.5	3.4	9.4	10.9	9.0	3.3	2.0	0.0	0.0	0.0	1.3	0.5
2299	TEXTILE GOODS, N.E.C.----------(2299)----	3.0	2.7	1.9	11.3	7.4	10.0	7.2	8.8	8.5	1.1	1.5	0.4	0.0	0.4	1.2	0.7
2391	CURTAINS & DRAPERIES----------(2391)----	18.4	15.5	13.7	14.0	18.7	23.0	15.7	19.1	19.6	3.3	7.3	3.3	0.0	2.0	5.8	3.7
2392	HOUSEFURNISHINGS, N.E.C.----------(2392)----	19.9	16.4	13.9	12.6	11.1	18.2	10.3	13.6	13.7	2.2	2.5	0.9	0.0	0.5	1.9	1.1
2393	TEXTILE BAGS----------(2393)----	8.6	5.4	3.9	4.6	15.6	22.8	8.7	12.1	14.6	3.3	4.0	0.0	0.0	1.0	2.9	1.3
2395	PLEATING & STITCHING----------(2395)----	34.1	26.9	19.6	14.4	12.7	22.0	15.2	17.3	17.0	3.3	4.7	0.7	0.0	0.6	3.1	1.7
2396	AUTOMOTIVE & APPAREL TRIMMINGS------(2396)----	22.0	17.9	14.9	10.6	9.1	17.2	10.6	12.7	12.7	2.7	3.5	0.0	0.0	0.4	2.3	1.1
2397	SCHIFFLI MACHINE EMBROIDERIES--------(2397)----	38.4	24.3	18.0	15.7	11.5	19.9	17.4	16.7	16.0	4.0	4.1	0.7	0.0	0.6	2.9	1.5
2399	FABRICATED TEXTILE PRODUCTS, N.E.C.-(2399)----	21.9	16.3	13.6	14.0	11.4	22.3	13.6	16.1	16.1	2.4	2.3	0.3	0.0	0.5	1.7	1.0
2411	LOGGING CAMPS & LOGGING CONTRACTORS----------(2411)----	0.0	0.0	0.0	0.0	0.9	0.7	0.4	1.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2421	SAWMILLS & PLANING MILLS, GENERAL---(2421)----	0.9	0.3	0.0	1.0	2.8	0.1	0.6	2.3	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2426	HARDWOOD DIMENSION & FLOORING-------(2426)----	11.8	7.1	5.0	6.5	7.2	9.6	11.3	9.9	9.0	0.9	0.5	0.3	0.0	0.0	0.3	0.2
2429	SPECIAL PRODUCT SAWMILLS, N.E.C.----(2429)----	0.0	0.0	0.0	2.1	5.1	3.9	5.1	4.7	4.3	0.0	0.2	0.0	0.0	0.0	0.1	0.0
2431	MILLWORK----------(2431)----	2.1	2.7	2.1	4.6	7.2	11.3	11.3	9.8	9.5	0.0	0.3	0.0	0.0	0.0	0.2	0.0
2432	VENEER & PLYWOOD----------(2432)----	12.5	12.6	12.5	9.8	8.3	12.3	10.0	9.3	9.6	0.0	0.4	0.0	0.0	0.0	0.3	0.1
2433	PREFABRICATED WOOD STRUCTURES-------(2433)----	13.4	9.5	6.6	1.2	6.4	6.3	5.0	7.2	6.5	0.0	0.3	0.0	0.0	0.0	0.2	0.0
2491	WOOD PRESERVING----------(2491)----	7.0	6.0	4.1	2.3	6.1	5.9	5.9	7.4	6.5	0.0	0.2	0.0	0.0	0.0	0.1	0.0
2499	WOOD PRODUCTS, N.E.C.----------(2499)----	12.4	9.5	6.7	5.9	7.3	7.6	8.8	8.1	7.6	0.0	0.5	0.0	0.4	0.0	0.3	0.1
2500	FOLDING PAPERBOARD BOXES----------(2651)-+																
	SET-UP PAPERBOARD BOXES----------(2652)-+																
	CORRUGATED & SOLID FIBER BOXES------(2653)-+																
	SANITARY FOOD CONTAINERS----------(2654)-+																
	FIBER CANS, TUBES, DRUMS & SIMILAR +																
	PRODUCTS----------(2655)----	12.5	8.8	6.5	6.6	14.0	12.0	6.1	11.4	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2511	WOOD HOUSEHOLD FURNITURE----------(2511)----	15.0	9.3	6.8	8.6	8.1	16.8	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2512	UPHOLSTERED HOUSEHOLD FURNITURE-----(2512)----	18.6	13.0	9.3	8.6	8.1	16.8	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2514	METAL HOUSEHOLD FURNITURE----------(2514)----	17.6	12.8	8.8	8.6	8.1	16.8	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6

Table 1.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using trade weighted tariff averages)

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) 1965	1970	PKR	GATT TARIFF AVERAGES (PERCENT) US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.	NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES) US	EEC	CAN-ADA	JAP-AN	UK	EEC CAN JAP UK	FOR-EIGN WTD.
1		2	3	4	5	6	7	8	9	10	11	12	14	14	15	16	17
2515	MATTRESSES & BEDSPRINGS----------(2515)----	18.4	15.7	13.8	8.6	8.1	16.3	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2519	HOUSEHOLD FURNITURE, N.E.C.----------(2519)----	11.4	7.8	5.5	8.6	8.1	16.3	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2521	WOOD OFFICE FURNITURE----------(2521)----	13.0	9.3	6.8	8.6	8.1	16.3	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2522	METAL OFFICE FURNITURE----------(2522)----	17.6	12.8	8.8	8.6	8.1	16.3	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2531	PUBLIC BUILDING FURNITURE----------(2531)----	11.6	8.0	5.6	8.6	8.1	16.3	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2541	WOOD PARTITIONS & FIXTURES----------(2541)----	9.6	6.5	4.6	8.6	8.1	16.3	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2542	METAL PARTITIONS & FIXTURES----------(2542)----	18.4	12.8	9.2	8.6	8.1	16.3	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2591	VENETIAN BLINDS & SHADES----------(2591)----	18.4	12.8	9.2	8.6	8.1	16.3	11.5	12.1	11.9	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2599	FURNITURE & FIXTURES, N.E.C.----------(2599)----	7.7	5.9	4.3	8.3	8.9	15.4	11.2	12.1	11.9	0.7	1.5	0.7	0.7	0.0	1.1	0.7
2605	COMMERCIAL PRINTING, EXCEPT LITHOGRAPHIC----------(2751)-+																
	COMMERCIAL PRINTING, LITHOGRAPHIC---(2752)----	5.0	3.4	2.9	3.4	6.5	12.1	4.5	7.4	7.9	0.7	0.0	0.5	0.0	0.0	0.0	0.1
2611	PULP MILLS----------(2611)----	0.0	0.0	0.0	0.0	1.1	0.0	5.0	1.5	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2621	PAPER MILLS, EXCEPT BUILDING PAPER----------(2621)----	0.6	0.3	0.2	3.0	10.8	10.2	8.2	11.0	10.2	0.0	0.4	0.0	0.6	0.0	0.2	0.1
2631	PAPERBOARD MILLS----------(2631)----	6.0	3.5	2.0	4.0	10.7	12.9	8.8	11.6	11.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2641	PAPER COATING & GLAZING----------(2641)----	16.4	10.3	7.9	7.4	12.6	13.2	8.7	12.8	12.1	0.7	0.5	0.0	0.0	0.0	0.3	0.1
2642	ENVELOPES----------(2642)----	17.6	12.8	9.5	7.3	15.0	16.2	7.5	13.4	13.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2643	BAGS, EXCEPT TEXTILE BAGS----------(2643)----	14.5	9.9	7.1	13.5	10.0	16.9	15.0	14.0	13.5	0.0	2.7	0.0	0.0	0.0	1.7	1.3
2644	WALLPAPER----------(2644)----	10.0	6.8	4.9	5.0	13.0	15.0	5.0	10.8	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2645	DIE CUT PAPER & BOARD----------(2645)----	13.7	9.4	7.1	6.8	12.7	14.2	7.0	12.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2646	PRESSED & MOLDED PULP GOODS----------(2646)----	8.2	5.6	4.0	5.8	13.4	8.7	4.9	11.0	10.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2647	SANITARY PAPER PRODUCTS----------(2647)----	10.9	6.9	5.3	0.2	9.0	10.7	8.9	10.1	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2649	CONVERTED PAPER PRODUCTS, N.E.C.----(2649)----	15.1	10.7	7.7	7.8	12.0	12.3	6.9	11.5	11.1	0.0	0.1	0.0	0.0	0.0	0.1	0.0
2661	BUILDING PAPER & BOARD MILLS----------(2661)----	4.2	1.4	0.2	6.1	11.0	15.0	15.0	14.8	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2701	ALKALIES & CHLORINE----------(2812)-+																
	INDUSTRIAL GASES----------(2813)-+																
	CYCLIC INTERMEDIATES, DYES, ORGANIC + PIGMENTS & CYCLIC CRUDES----------(2815)-+																
	INORGANIC PIGMENTS----------(2816)-+																
	INDUSTRIAL ORGANIC CHEMICALS, + N.E.C.----------(2818)-+																
	INDUSTRIAL INORGANIC CHEMICALS, + N.E.C.----------(2819)----	10.5	8.1	6.8	5.6	7.9	8.0	7.7	7.8	7.5	0.1	0.4	0.2	0.4	0.0	0.3	0.2
2711	NEWSPAPERS----------(2711)----	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.1	3.3	0.7	3.3	0.0	0.0	0.8	1.0
2721	PERIODICALS----------(2721)----	0.2	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.1	3.3	0.7	3.3	0.0	0.0	0.8	1.0
2731	BOOK PUBLISHING----------(2731)----	1.8	0.1	0.1	0.7	6.3	14.2	0.0	5.7	7.2	2.5	0.7	1.7	0.0	0.0	0.6	0.7
2732	BOOK PRINTING----------(2732)----	0.7	0.0	0.0	0.6	5.1	12.7	0.0	4.9	6.2	2.7	0.5	1.5	0.0	0.0	0.5	0.5
2741	MISCELLANEOUS PUBLISHING----------(2741)----	2.8	1.2	0.9	0.9	3.9	10.1	0.0	3.8	4.9	1.9	0.4	1.0	0.0	0.0	0.4	0.4
2753	ENGRAVING & PLATE PRINTING----------(2753)----	7.9	5.0	5.1	1.4	6.2	19.3	0.1	7.5	9.2	1.7	0.0	1.7	0.0	0.0	0.2	1.5
2761	MANIFOLD BUSINESS FORMS----------(2761)----	13.7	9.4	7.1	6.8	12.7	14.2	7.0	12.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2771	GREETING CARD PUBLISHING----------(2771)----	14.0	9.6	7.2	7.2	11.0	20.0	7.5	12.1	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2782	BLANKBOOKS & LOOSELEAF BINDERS----------(2782)----	14.4	10.1	7.3	8.5	15.0	16.3	7.7	11.8	13.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2789	BOOKBINDING & RELATED WORK----------(2789)----	1.1	0.5	0.4	0.6	5.1	11.4	0.0	4.6	5.8	2.7	0.7	2.0	0.0	0.0	0.7	0.7
2793	PHOTOENGRAVING----------(2793)----	4.8	6.7	4.8	1.6	4.5	6.0	7.5	6.4	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2794	ELECTROTYPING & STEREOTYPING----------(2794)----	4.8	6.7	4.8	1.6	4.5	6.0	7.5	6.4	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2821	PLASTICS MATERIALS & RESINS----------(2821)----	20.4	14.1	10.2	7.7	7.8	11.2	9.3	9.0	9.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
2822	SYNTHETIC RUBBER----------(2822)----	6.0	4.2	2.8	5.3	5.0	8.3	6.1	6.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2823	CELLULOSIC MAN-MADE FIBERS----------(2823)----	21.7	11.6	8.7	15.4	9.3	7.7	11.5	10.3	9.1	0.3	0.1	0.0	0.0	0.1	0.1	0.1
2824	ORGANIC FIBERS, NONCELLULOSIC----------(2824)----	14.4	15.4	12.1	15.3	8.7	8.3	10.8	9.7	8.9	0.3	0.1	0.0	0.0	0.1	0.1	0.1
2841	SOAP & OTHER DETERGENTS----------(2841)----	7.9	6.2	5.7	9.2	13.8	9.1	11.7	11.3	10.8	0.2	0.5	0.1	0.2	0.0	0.4	0.2
2842	POLISHES & SANITATION GOODS----------(2842)----	5.4	3.7	2.7	4.9	5.5	10.8	9.2	7.8	7.6	0.0	0.4	0.0	0.0	0.0	0.3	0.1
2843	SURFACE ACTIVE AGENTS----------(2843)----	16.1	11.0	8.1	9.3	13.9	9.0	11.6	11.3	10.8	0.2	0.5	0.1	0.2	0.0	0.4	0.2
2844	TOILET PREPARATIONS----------(2844)----	16.0	10.5	7.7	5.6	9.0	19.2	13.4	12.4	13.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2851	PAINTS & ALLIED PRODUCTS----------(2851)----	7.8	5.7	4.1	4.1	4.8	11.3	7.5	6.9	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2861	GUM & WOOD CHEMICALS----------(2861)----	0.9	0.8	2.5	4.3	3.7	2.9	5.0	4.1	3.6	0.5	0.2	0.0	0.3	0.0	0.1	0.1
2871	FERTILIZERS----------(2871)----	0.0	0.0	0.0	0.0	1.9	0.0	0.0	1.4	1.0	0.0	0.9	0.0	0.0	0.0	0.6	0.2
2872	FERTILIZERS, MIXING ONLY----------(2872)----	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2879	AGRICULTURAL CHEMICALS, N.E.C.----------(2879)----	17.3	13.2	9.1	6.9	9.9	8.8	9.5	9.2	8.8	0.1	0.5	0.0	0.2	0.0	0.3	0.2
2891	ADHESIVES & GELATIN----------(2891)----	14.4	9.7	7.0	4.8	5.8	6.3	9.5	7.2	6.6	0.0	0.8	0.5	0.2	0.3	0.7	0.5
2892	EXPLOSIVES----------(2892)----	3.6	1.8	8.8	4.8	6.2	8.8	7.5	7.2	7.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
2893	PRINTING INK----------(2893)----	2.7	1.9	1.4	1.6	7.4	12.3	10.0	9.4	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2895	CARBON BLACK----------(2895)----	6.8	1.9	0.0	0.0	1.1	0.0	5.0	2.1	1.5	0.0	0.7	0.0	0.0	0.0	0.4	0.2
2899	CHEMICAL PREPARATIONS, N.E.C.----------(2899)----	7.2	4.6	4.2	7.8	11.2	10.1	10.3	10.2	9.9	0.2	0.6	0.2	0.2	0.0	0.4	0.3
2901	BIOLOGICAL PRODUCTS----------(2831)-+																
	MEDICINAL CHEMICALS & BOTANICAL + PRODUCTS----------(2833)-+																
	PHARMACEUTICAL PREPARATIONS----------(2834)----	13.3	8.9	6.9	8.1	12.5	9.0	10.8	10.7	10.2	0.2	0.7	0.1	0.5	0.0	0.5	0.3
2951	PAVING MIXTURES & BLOCKS----------(2951)----	0.0	0.0	0.0	0.8	1.1	3.5	3.1	2.8	2.5	1.9	0.4	0.0	1.0	0.0	0.4	0.2
2952	ASPHALT FELTS & COATINGS----------(2952)----	4.7	1.9	0.0	4.8	13.0	10.5	7.1	11.8	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3011	TIRES & INNER TUBES----------(3011)----	9.0	5.4	3.9	4.4	9.0	15.9	11.0	12.0	12.0	0.0	1.3	0.0	0.0	0.0	0.8	0.0
3021	RUBBER FOOTWEAR----------(3021)----	15.3	13.5	12.0	12.5	16.4	22.9	17.8	16.7	18.2	0.0	2.0	0.0	1.7	0.5	1.7	1.0
3031	RECLAIMED RUBBER----------(3031)----	0.0	0.0	0.0	5.0	1.4	4.9	6.3	4.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3069	FABRICATED RUBBER PRODUCTS, N.E.C.----(3069)----	10.1	6.6	4.8	7.7	8.0	12.5	9.3	9.7	9.7	0.3	0.1	0.0	0.0	0.0	0.1	0.0
3079	MISCELLANEOUS PLASTICS PRODUCTS----(3079)----	14.7	9.8	7.2	7.6	7.9	11.8	8.6	9.3	9.3	0.8	0.6	0.2	0.0	0.1	0.5	0.2
3101	PETROLEUM REFINING----------(2911)-+																
	LUBRICATING OILS & GREASES----------(2992)-+																
	PRODUCTS OF PETROLEUM & COAL, + N.E.C.----------(2999)----	2.0	2.3	4.0	6.9	10.1	8.2	10.1	9.1	8.8	1.3	0.8	0.1	0.8	0.0	0.6	0.4
3111	LEATHER TANNING & FINISHING----------(3111)----	9.5	7.2	5.5	5.0	5.0	10.7	15.4	10.5	9.3	0.0	0.5	0.0	3.3	0.0	0.7	0.6
3121	INDUSTRIAL LEATHER BELTING----------(3121)----	9.6	6.9	4.6	4.8	7.5	18.0	21.1	13.8	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3131	FOOTWEAR CUT STOCK----------(3131)----	9.3	6.2	4.5	4.8	6.8	17.7	12.0	11.6	11.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3141	SHOES, EXCEPT RUBBER----------(3141)----	12.0	11.3	9.1	7.9	9.6	11.3	10.8	10.5	10.5	0.0	0.7	0.0	0.8	0.0	0.5	0.3
3142	HOUSE SLIPPERS----------(3142)----	12.6	8.7	6.4	7.9	9.6	11.3	10.8	10.5	10.5	0.0	0.7	0.0	0.8	0.0	0.5	0.3
3151	LEATHER GLOVES & MITTENS----------(3151)----	20.5	19.4	22.7	18.3	10.3	23.4	11.8	16.8	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3161	LUGGAGE----------(3161)----	21.8	16.4	14.8	15.7	9.2	19.9	11.3	12.7	13.5	0.0	1.3	0.0	0.0	0.0	0.8	0.3
3171	WOMEN'S HANDBAGS & PURSES----------(3171)----	19.1	16.4	14.6	12.4	9.0	15.2	12.1	12.1	12.0	0.0	1.5	0.0	0.0	0.0	0.8	0.2
3172	PERSONAL LEATHER GOODS----------(3172)----	12.6	9.9	9.1	9.1	7.8	15.3	11.1	11.2	11.3	0.0	0.5	0.0	0.0	0.0	0.3	0.1
3199	LEATHER GOODS, N.E.C.----------(3199)----	10.7	7.0	5.1	7.8	8.2	18.8	14.3	12.8	13.0	0.0	0.3	0.0	0.0	0.0	0.2	0.1
3221	GLASS CONTAINERS----------(3221)----	11.8	8.4	6.0	7.8	9.8	16.6	7.5	11.5	12.0	0.0	2.7	0.0	0.0	1.0	2.1	1.0

Table 1.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using trade weighted averages)

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) 1965	1970	PKR	GATT TARIFF AVERAGES (PERCENT) US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.	NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES) US	EEC	CAN-ADA	JAP-AN	UK	EEC CAN JAP UK	FOR-EIGN WTD.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3241	CEMENT, HYDRAULIC----------(3241)----	3.3	1.2	0.0	0.0	4.0	0.9	5.0	3.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3251	BRICK & STRUCTURAL CLAY TILE---------(3251)----	36.2	2.0	1.2	6.2	4.8	15.7	5.0	8.1	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3253	CERAMIC WALL & FLOOR TILE----------(3253)----	20.1	20.4	20.6	16.5	6.8	19.1	5.0	10.2	11.1	0.8	2.3	0.0	0.0	0.0	1.5	0.7
3255	CLAY REFRACTORIES----------(3255)----	8.4	5.5	4.0	6.2	7.3	5.3	8.3	6.4	6.3	0.0	0.3	0.0	0.0	0.0	0.2	0.1
3259	STRUCTURAL CLAY PRODUCTS, N.E.C.----(3259)----	12.9	8.8	6.6	9.3	5.2	18.3	5.0	9.1	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3261	VITREOUS PLUMBING FIXTURES----------(3261)----	25.8	17.6	13.2	15.3	13.8	19.6	7.5	12.8	14.2	0.0	2.7	0.0	0.0	1.5	2.3	1.2
3262	VITREOUS CHINA FOOD UTENSILS--------(3262)----	42.5	38.4	35.9	43.6	23.9	19.1	7.5	13.6	16.8	0.0	4.7	0.0	0.0	3.0	5.4	3.0
3263	FINE EARTHENWARE FOOD UTENSILS-----(3263)----	23.1	16.1	12.2	15.7	14.6	20.0	7.5	12.5	14.4	0.0	5.3	0.0	0.0	3.0	4.6	2.3
3264	PORCELAIN ELECTRICAL SUPPLIES-------(3264)----	18.0	13.9	11.3	10.5	8.5	13.5	10.6	10.8	10.6	0.0	0.3	1.0	0.0	0.0	0.3	0.4
3269	POTTERY PRODUCTS, N.E.C.----------(3269)----	24.8	17.9	13.2	20.8	16.2	16.3	7.5	12.1	13.5	0.0	2.4	0.0	0.0	1.8	2.3	1.3
3271	CONCRETE BLOCK & BRICK----------(3271)----	14.1	9.2	6.9	20.2	4.0	16.5	7.5	8.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3272	CONCRETE PRODUCTS, N.E.C.----------(3272)----	16.1	13.0	11.5	20.2	4.0	16.5	7.5	8.3	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3273	READY-MIXED CONCRETE----------(3273)----	8.9	5.2	3.2	0.0	4.0	0.9	5.0	3.7	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3274	LIME----------(3274)----	6.5	3.8	2.2	3.9	1.2	5.9	0.0	2.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3275	GYPSUM PRODUCTS----------(3275)----	11.1	7.6	5.5	1.7	3.2	11.1	5.1	6.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3281	CUT STONE & STONE PRODUCTS----------(3281)----	12.9	8.7	6.3	5.3	5.2	4.6	7.1	6.0	5.4	0.0	0.1	0.0	0.0	0.0	0.1	0.0
3291	ABRASIVE PRODUCTS----------(3291)----	1.6	1.1	0.8	4.4	5.6	8.4	7.1	7.1	6.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3292	ASBESTOS PRODUCTS----------(3292)----	5.7	3.8	2.8	5.5	7.8	12.0	9.3	9.6	9.5	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3293	GASKETS & INSULATIONS----------(3293)----	6.3	4.2	3.0	6.0	8.4	11.9	9.6	9.8	9.7	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3295	MINERALS, GROUND OR TREATED----------(3295)----	11.2	3.4	4.9	5.9	0.1	8.8	0.0	3.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3296	MINERAL WOOL----------(3296)----	16.2	13.1	9.6	9.6	9.4	21.8	10.8	12.6	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3297	NONCLAY REFRACTORIES----------(3297)----	9.0	5.8	4.3	6.2	7.3	5.3	8.3	6.4	6.3	0.0	0.3	0.0	0.0	0.0	0.2	0.1
3299	NONMETALLIC MINERAL PRODUCTS, N.E.C.----------(3299)----	12.5	8.7	6.4	5.0	5.6	9.0	6.8	7.0	6.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3312	BLAST FURNACES & STEEL MILLS----------(3312)----	6.6	6.3	6.2	6.4	8.3	7.1	8.7	8.2	7.6	0.2	0.5	0.0	0.3	0.0	0.4	0.1
3313	ELECTROMETALLURGICAL PRODUCTS----------(3313)----	7.1	5.8	4.5	4.5	6.0	8.3	7.2	7.0	6.7	0.0	0.1	0.0	0.0	0.0	0.1	0.0
3315	STEEL WIRE & RELATED PRODUCTS----------(3315)----	3.0	1.9	1.8	1.8	6.9	13.1	8.8	9.7	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3316	COLD FINISHING OF STEEL SHAPES----------(3316)----	9.6	8.5	7.9	7.9	6.8	6.4	8.7	7.6	6.9	0.0	0.8	0.0	0.0	0.0	0.5	0.0
3317	STEEL PIPE & TUBES----------(3317)----	5.4	5.1	5.1	4.5	9.9	6.3	7.1	10.1	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3331	PRIMARY COPPER----------(3331)----	1.8	0.0	1.4	3.4	0.0	0.1	2.8	1.0	0.7	0.0	0.0	0.0	0.8	0.0	0.1	0.1
3332	PRIMARY LEAD----------(3332)----	6.9	6.5	6.6	3.8	4.6	4.7	6.0	4.5	4.5	0.0	0.2	0.0	1.1	0.0	0.3	0.1
3333	PRIMARY ZINC----------(3333)----	5.0	4.7	5.1	4.4	6.0	4.8	8.0	5.3	5.2	0.0	0.7	0.0	0.8	0.0	0.5	0.3
3334	PRIMARY ALUMINUM----------(3334)----	5.5	3.9	4.1	4.6	6.0	1.8	8.4	5.3	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3339	PRIMARY NONFERROUS METALS, N.E.C.---(3339)----	1.1	0.4	0.3	4.6	4.0	5.4	6.4	5.2	4.8	0.0	0.2	0.0	0.1	0.0	0.1	0.0
3341	SECONDARY NONFERROUS METALS----------(3341)----	1.3	0.7	0.7	5.0	4.3	5.3	7.0	5.5	5.0	0.0	0.2	0.0	0.1	0.0	0.1	0.0
3351	COPPER ROLLING & DRAWING----------(3351)----	5.5	3.2	2.7	3.6	8.0	6.6	17.5	10.2	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3352	ALUMINUM ROLLING & DRAWING----------(3352)----	10.5	8.0	7.1	7.6	11.2	9.8	15.6	11.2	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3356	NONFERROUS ROLLING & DRAWING, N.E.C.----------(3356)----	2.6	2.4	2.2	6.9	6.3	3.9	7.9	6.1	5.5	0.0	0.2	0.0	0.5	0.0	0.2	0.1
3357	NONFERROUS WIRE, DRAWING & INSULATING----------(3357)----	15.9	10.4	7.9	5.8	10.2	12.5	16.2	11.9	11.6	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3361	ALUMINUM CASTINGS----------(3361)----	16.6	12.2	9.4	8.8	7.8	10.7	9.5	9.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3362	BRASS, BRONZE, & COPPER CASTINGS----(3362)----	10.4	7.6	5.5	7.3	7.0	17.2	11.6	11.5	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3369	NONFERROUS CASTINGS, N.E.C.----------(3369)----	12.6	8.4	6.7	7.2	7.6	14.0	11.6	10.8	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3391	IRON & STEEL FORGINGS----------(3391)----	4.5	2.7	4.0	6.1	7.6	9.0	8.8	8.9	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3392	NONFERROUS FORGINGS----------(3392)----	4.7	1.5	2.4	4.2	3.4	1.0	5.2	3.3	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3399	PRIMARY METAL PRODUCTS, N.E.C.-------(3399)----	3.2	1.7	1.4	5.8	5.7	5.7	8.3	6.6	6.0	0.0	0.2	0.0	0.0	0.0	0.2	0.1
3411	METAL CANS----------(3411)----	10.3	7.0	5.3	4.6	8.0	17.4	8.8	11.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3421	CUTLERY----------(3421)----	26.9	21.4	17.8	13.3	9.7	15.9	8.1	12.0	11.7	0.0	0.6	0.0	0.0	0.0	0.4	0.2
3423	HAND & EDGE TOOLS, N.E.C.----------(3423)----	15.7	10.0	7.3	9.0	7.9	13.4	8.3	9.9	9.9	0.0	0.3	0.0	0.0	0.0	0.2	0.1
3425	HAND SAWS & SAW BLADES----------(3425)----	8.2	5.7	4.1	4.2	9.5	3.4	9.7	8.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3429	HARDWARE, N.E.C.----------(3429)----	12.7	7.5	5.6	10.4	8.5	10.8	12.9	10.8	10.2	0.0	1.0	0.0	2.2	0.0	0.9	0.5
3431	METAL SANITARY WARE----------(3431)----	19.7	13.5	10.0	5.7	7.1	13.0	15.7	11.8	10.9	0.0	0.9	0.0	4.4	0.0	1.1	0.9
3432	PLUMBING FITTINGS & BRASS GOODS----(3432)----	15.2	10.6	7.5	8.5	7.5	17.5	10.0	11.3	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC--(3433)----	11.7	8.1	5.8	6.8	6.6	12.5	8.3	9.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3441	FABRICATED STRUCTURAL STEEL----------(3441)----	8.4	6.0	5.4	4.6	7.1	8.6	6.0	7.2	7.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3442	METAL DOORS, SASH, & TRIM----------(3442)----	14.5	10.4	7.5	7.2	6.8	5.9	10.0	7.8	7.2	0.0	0.4	0.0	0.0	0.0	0.3	0.0
3443	FABRICATED PLATE WORK (BOILER SHOPS)----------(3443)----	12.4	8.7	6.4	4.1	4.6	7.6	6.0	6.1	6.0	1.5	0.2	0.0	0.0	0.0	0.1	0.0
3444	SHEET METALWORK----------(3444)----	9.2	5.5	4.5	4.4	6.7	7.7	5.8	6.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3446	ARCHITECTURAL METALWORK----------(3446)----	9.2	5.5	4.5	4.4	6.7	7.7	5.8	6.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3449	MISCELLANEOUS METALWORK----------(3449)----	9.2	5.5	4.5	4.4	6.7	7.7	5.8	6.6	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3461	METAL STAMPINGS----------(3461)----	4.6	4.8	3.6	4.6	12.4	6.2	7.5	9.3	9.0	0.0	1.3	0.0	0.0	0.0	0.8	0.3
3471	PLATING & POLISHING----------(3471)----	8.2	8.0	8.0	7.2	7.2	6.8	9.6	8.2	7.4	0.0	0.6	0.0	0.8	0.0	0.5	0.2
3479	METAL COATING & ALLIED SERVICES-----(3479)----	8.2	8.0	8.0	7.2	7.2	6.8	9.6	8.2	7.4	0.0	0.6	0.0	0.8	0.0	0.5	0.2
3481	MISCELLANEOUS FABRICATED WIRE PRODUCTS----------(3481)----	9.9	6.6	5.0	6.8	8.2	14.0	9.9	11.1	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3491	METAL BARRELS, DRUMS, & PAILS----------(3491)----	10.3	7.0	5.3	4.6	8.0	17.4	8.8	11.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3492	SAFES & VAULTS----------(3492)----	17.5	12.3	9.0	9.5	8.5	17.5	10.0	10.9	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3493	STEEL SPRINGS----------(3493)----	8.1	1.3	0.9	3.3	7.8	11.6	8.8	9.5	9.3	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3496	COLLAPSIBLE TUBES----------(3496)----	11.1	7.5	5.7	4.6	8.0	17.4	8.8	11.0	11.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3497	METAL FOIL & LEAF----------(3497)----	8.4	3.6	2.7	7.0	6.2	6.7	8.4	7.1	6.6	0.0	0.4	0.0	0.6	0.0	0.3	0.2
3499	FABRICATED METAL PRODUCTS, N.E.C.---(3499)----	13.9	10.3	7.9	7.4	7.2	12.3	8.8	9.5	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3501	FLAT GLASS----------(3211)-+ PRESSED & BLOWN GLASS & GLASSWARE, + N.E.C.----------(3229)-+ GLASS PRODUCTS, MADE OF PURCHASED + GLASS----------(3231)----	20.9	14.2	10.8	13.6	8.6	10.9	8.8	9.8	9.5	0.0	0.6	0.2	0.1	0.1	0.4	0.2
3511	STEAM ENGINES & TURBINES----------(3511)----	11.3	9.3	7.1	5.9	4.1	7.2	10.3	7.5	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3519	INTERNAL COMBUSTION ENGINES, N.E.C.----------(3519)----	6.6	4.5	3.3	4.2	6.8	1.6	12.9	7.5	6.1	0.0	0.7	0.0	0.0	0.0	0.4	0.0
3522	FARM MACHINERY----------(3522)----	0.1	0.0	0.0	2.2	9.5	3.1	8.1	7.5	6.8	0.0	0.9	0.0	0.0	0.0	0.6	0.2
3531	CONSTRUCTION MACHINERY----------(3531)----	9.6	6.6	4.8	4.8	8.1	9.0	7.9	8.2	8.1	0.0	0.4	0.0	0.0	0.0	0.2	0.1
3532	MINING MACHINERY----------(3532)----	9.8	6.8	4.9	5.5	6.5	9.9	7.6	7.9	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3533	OIL FIELD MACHINERY----------(3533)----	10.0	7.1	5.0	4.6	6.6	8.5	8.0	7.8	7.5	0.0	0.0	0.7	0.0	0.0	0.1	0.2
3534	ELEVATORS & MOVING STAIRWAYS----------(3534)----	10.0	6.8	4.8	5.0	6.7	8.5	7.5	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3535	CONVEYERS & CONVEYING EQUIPMENT-----(3535)----	10.1	6.8	4.8	5.0	6.7	8.5	7.5	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3536	HOISTS, CRANES, & MONORAILS----------(3536)----	9.6	6.5	4.7	5.0	6.7	8.5	7.5	7.5	7.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3537	INDUSTRIAL TRUCKS & TRACTORS----------(3537)----	7.6	6.6	4.8	4.5	7.6	12.5	10.0	9.8	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3541	MACHINE TOOLS, METAL CUTTING TYPES--(3541)----	14.4	9.3	6.8	7.1	4.8	15.9	8.0	9.4	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 1.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using trade weighted averages)

TD-SIC	SECTOR DESCRIPTION (TSUSA SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) 1965	1970	PKR	GATT TARIFF AVERAGES (PERCENT) US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.	NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES) US	EEC	CAN-ADA	JAP-AN	UK	EEC CAN JAP UK	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3542	MACHINE TOOLS, METAL FORMING TYPES--(3542)----	13.4	9.6	7.2	7.1	4.8	15.9	8.0	9.4	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3548	METALWORKING MACHINERY, N.E.C.------(3548)----	12.4	8.4	6.1	5.8	6.4	12.0	9.4	9.0	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3551	FOOD PRODUCTS MACHINERY------------(3551)----	11.5	7.9	5.5	5.9	5.8	14.6	7.5	9.1	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3552	TEXTILE MACHINERY-------------------(3552)----	13.1	9.2	4.9	5.8	5.3	9.7	7.2	6.5	5.7	0.0	0.1	0.4	0.0	0.0	0.1	0.1
3553	WOODWORKING MACHINERY---------------(3553)----	10.2	6.6	4.8	5.6	6.3	14.9	7.5	9.6	9.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3554	PAPER INDUSTRIES MACHINERY----------(3554)----	8.8	6.0	4.4	4.8	5.1	6.5	7.5	6.6	6.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3555	PRINTING TRADES MACHINERY-----------(3555)----	10.4	7.3	5.0	5.0	5.5	5.7	11.5	7.6	6.7	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3559	SPECIAL INDUSTRY MACHINERY, N.E.C.--(3559)----	8.7	5.8	4.4	5.7	5.6	9.5	7.9	7.7	7.5	0.0	0.0	0.7	0.0	0.0	0.1	0.2
3561	PUMPS & COMPRESSORS-----------------(3561)----	8.9	6.3	4.5	4.9	6.5	11.6	10.5	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3562	BALL & ROLLER BEARINGS--------------(3562)----	14.0	10.1	7.4	8.2	9.0	3.3	12.5	8.4	7.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0
3564	BLOWERS & FANS----------------------(3564)----	8.1	5.6	4.1	4.7	6.8	12.6	13.3	10.1	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3565	INDUSTRIAL PATTERNS-----------------(3565)----	10.2	6.5	5.8	6.6	6.3	3.0	11.2	7.0	5.9	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3566	POWER TRANSMISSION EQUIPMENT--------(3566)----	14.0	8.1	6.5	6.3	6.8	10.2	7.5	8.3	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3567	INDUSTRIAL FURNACES & OVENS---------(3567)----	12.3	8.1	6.0	7.1	6.2	11.9	7.5	8.4	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3569	GENERAL INDUSTRIAL MACHINERY, N.E.C.-----------------------------(3569)----	10.2	7.0	4.9	5.1	5.3	9.5	7.9	7.7	7.4	0.0	0.2	0.2	0.0	0.0	0.1	0.1
3571	ELECTRONIC COMPUTING EQUIPMENT------(3573)-+ CALCULATING & ACCOUNTING MACHINES, + EXCEPT ELECTRONIC COMPUTING + EQUIPMENT----------(3574)----	10.9	7.1	5.0	4.5	6.9	12.3	12.7	10.1	9.8	0.0	0.1	0.0	1.3	0.0	0.2	0.1
3572	TYPEWRITERS-------------------------(3572)----	1.4	1.0	0.7	2.9	6.4	13.4	12.8	10.4	10.0	0.0	0.0	0.0	1.7	0.0	0.2	0.2
3576	SCALES & BALANCES-------------------(3576)----	14.3	10.0	7.2	7.0	6.0	9.1	7.5	7.9	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3579	OFFICE MACHINES, N.E.C.-------------(3579)----	10.5	7.2	5.3	5.9	6.4	8.7	13.6	9.8	8.6	0.0	0.0	0.0	5.3	0.0	0.4	0.3
3581	AUTOMATIC MERCHANDISING MACHINES----(3581)----	11.1	7.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3582	COMMERCIAL LAUNDRY EQUIPMENT--------(3582)----	12.1	9.3	6.6	7.8	5.4	11.5	7.5	8.0	8.2	0.0	0.7	0.0	0.0	0.0	0.0	0.0
3585	REFRIGERATION MACHINERY-------------(3585)----	7.7	5.4	3.7	5.0	6.2	14.6	13.7	10.5	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3586	MEASURING & DISPENSING PUMPS--------(3586)----	9.5	6.8	4.8	4.6	6.7	9.9	10.7	8.7	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3589	SERVICE INDUSTRY MACHINES, N.E.C.---(3589)----	11.2	7.9	5.5	4.3	6.2	11.4	8.0	8.4	8.4	0.0	0.0	0.0	0.0	0.0	0.1	0.3
3599	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL-----------------------(3599)----	6.1	3.4	3.8	2.9	6.8	5.0	9.3	7.6	6.7	0.0	0.4	1.1	0.0	0.0	0.4	0.3
3611	ELECTRIC MEASURING INSTRUMENTS------(3611)----	11.6	9.7	9.2	9.2	7.5	15.1	11.2	11.2	11.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1
3612	TRANSFORMERS------------------------(3612)----	11.8	9.1	7.4	8.7	6.7	9.0	8.4	8.8	8.2	0.0	1.0	0.0	1.7	0.0	0.8	0.5
3613	SWITCHGEAR & SWITCHBOARD APPARATUS--(3613)----	15.5	11.5	8.2	7.8	6.6	16.2	7.5	9.6	10.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3621	MOTORS & GENERATORS-----------------(3621)----	11.1	8.4	6.8	7.6	5.6	13.3	9.1	9.4	9.2	0.0	1.3	0.0	0.0	0.0	0.8	0.3
3622	INDUSTRIAL CONTROLS-----------------(3622)----	7.2	7.7	5.8	9.1	7.4	17.2	11.9	11.7	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3623	WELDING APPARATUS-------------------(3623)----	8.4	5.4	4.0	5.5	7.8	13.5	8.3	9.4	9.6	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3624	CARBON & GRAPHITE PRODUCTS----------(3624)----	7.1	4.7	3.4	6.4	6.9	12.6	7.5	8.4	8.5	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3629	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.-----------------------------(3629)----	11.8	9.3	7.4	9.2	7.2	15.5	11.4	11.3	11.0	0.0	0.2	0.0	0.0	0.0	0.1	0.1
3631	HOUSEHOLD COOKING EQUIPMENT---------(3631)----	14.2	9.6	7.1	5.9	8.3	19.1	10.0	11.7	12.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3632	HOUSEHOLD REFRIGERATORS & FREEZERS--------------------------------(3632)----	10.1	6.8	4.8	5.0	5.0	15.4	13.2	10.3	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3633	HOUSEHOLD LAUNDRY EQUIPMENT---------(3633)----	13.5	9.2	6.8	7.8	5.4	11.5	7.5	8.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3634	ELECTRIC HOUSEWARES & FANS----------(3634)----	13.3	9.2	6.8	6.5	6.4	0.3	7.5	5.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3635	HOUSEHOLD VACUUM CLEANERS-----------(3635)----	13.3	9.2	6.3	6.3	7.5	17.2	7.5	9.9	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3636	SEWING MACHINES---------------------(3636)----	9.6	6.7	4.8	5.2	7.5	12.2	10.9	10.8	10.8	0.0	3.3	0.0	0.0	0.0	2.1	0.7
3639	HOUSEHOLD APPLIANCES, N.E.C.--------(3639)----	11.4	7.9	5.6	6.2	6.9	13.5	8.6	9.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3641	ELECTRIC LAMPS----------------------(3641)----	8.1	6.7	5.8	9.1	7.4	16.9	12.0	11.8	11.6	0.0	0.1	0.0	0.0	0.0	0.1	0.0
3642	LIGHTING FIXTURES-------------------(3642)----	15.1	13.5	12.5	16.2	9.1	8.8	11.3	10.3	9.5	0.8	1.2	0.0	0.0	0.0	0.7	0.3
3651	RADIO & TELEVISION RECEIVING SETS---(3651)----	11.8	8.3	6.6	6.6	9.6	11.4	9.4	10.6	10.2	0.0	0.0	0.0	1.3	0.0	0.7	0.4
3652	PHONOGRAPH RECORDS------------------(3652)----	8.5	6.1	4.3	5.2	7.0	11.2	9.4	8.2	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3661	TELEPHONE & TELEGRAPH APPARATUS-----(3661)----	16.2	10.5	8.1	8.0	7.2	17.1	7.5	9.8	10.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3662	RADIO & TELEVISION COMMUNICATION EQUIPMENT------------------------(3662)----	4.4	6.0	5.7	5.6	8.9	10.5	9.3	10.2	9.7	0.0	0.0	0.0	1.3	0.0	0.7	0.4
3674	SEMICONDUCTORS----------------------(3674)----	12.4	8.3	5.9	7.6	9.7	9.3	11.6	11.0	9.9	0.0	2.0	3.3	1.7	0.0	1.9	1.8
3679	ELECTRONIC COMPONENTS, N.E.C.-------(3679)----	11.8	7.8	6.1	7.0	8.9	8.9	9.7	9.6	9.0	0.0	0.6	0.8	0.8	0.0	0.6	0.5
3691	STORAGE BATTERIES-------------------(3691)----	14.1	8.0	7.3	8.2	8.9	6.3	10.0	8.2	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3692	PRIMARY BATTERIES, DRY & WET--------(3692)----	16.8	11.6	8.2	8.5	20.0	11.9	7.5	13.0	13.9	0.0	2.7	0.0	0.0	0.0	1.7	0.7
3693	X-RAY APPARATUS & TUBES-------------(3693)----	5.3	3.4	2.4	8.0	7.3	0.3	9.4	7.1	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3694	ENGINE ELECTRICAL EQUIPMENT---------(3694)----	5.2	3.3	2.5	6.1	9.8	8.9	11.5	10.0	9.5	0.0	1.0	0.0	0.0	0.0	0.6	0.0
3699	ELECTRICAL EQUIPMENT, N.E.C.--------(3699)----	9.7	10.7	9.6	8.8	7.9	14.3	12.4	11.2	11.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3702	GRAY IRON FOUNDRIES-----------------(3321)-+ MALLEABLE IRON FOUNDRIES-----------(3322)-+ STEEL FOUNDRIES-----------------(3323)----	5.8	4.5	3.6	7.2	7.7	9.7	8.8	9.5	8.9	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3713	TRUCK & BUS BODIES------------------(3713)----	0.2	0.1	0.1	3.6	14.7	0.8	6.8	8.4	7.8	0.0	2.0	0.0	0.0	0.0	1.3	0.4
3715	TRUCK TRAILERS----------------------(3715)----	5.9	7.9	8.0	4.0	7.9	13.5	7.3	9.3	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3717	MOTOR VEHICLES----------------------(3711)-+ MOTOR VEHICLE PARTS & ACCESSORIES---(3714)----	5.4	2.0	1.4	3.8	12.1	3.3	12.4	9.9	8.8	0.0	2.8	0.6	0.0	0.0	1.8	0.9
3721	AIRCRAFT----------------------------(3721)----	9.6	6.4	5.0	4.8	7.1	3.8	6.6	4.4	4.8	1.7	0.7	1.7	0.0	0.0	0.6	0.5
3722	AIRCRAFT ENGINES & ENGINE PARTS-----(3722)----	7.9	5.3	4.8	4.2	6.8	1.6	12.9	7.5	6.1	0.0	0.7	0.0	1.7	0.0	0.6	0.3
3723	AIRCRAFT PROPELLERS & PARTS---------(3723)----	2.3	2.9	5.0	5.0	5.2	0.1	15.0	6.9	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3729	AIRCRAFT EQUIPMENT, N.E.C.----------(3729)----	2.3	2.9	5.0	5.0	5.2	0.1	15.0	6.9	5.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3731	SHIPBUILDING & REPAIRING------------(3731)----	8.2	5.8	4.3	3.7	2.2	3.8	4.6	3.3	3.2	3.3	0.4	0.0	0.0	0.0	0.3	0.1
3732	BOATBUILDING & REPAIRING------------(3732)----	8.0	5.7	4.2	3.7	2.2	3.8	4.6	3.3	3.2	3.3	0.4	0.0	0.0	0.0	0.3	0.1
3741	LOCOMOTIVES & PARTS-----------------(3741)----	24.7	17.5	12.6	4.5	6.6	4.7	8.5	6.6	6.1	0.0	0.5	0.0	2.7	0.0	0.7	0.5
3742	RAILROAD & STREET CARS--------------(3742)----	14.4	12.8	11.5	9.1	5.6	8.0	5.0	6.6	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3751	MOTORCYCLES, BICYCLES, & PARTS------(3751)----	11.3	8.1	5.8	9.4	10.7	16.5	10.8	14.0	13.4	0.0	0.9	0.0	0.0	0.4	0.0	0.2
3791	TRAILER COACHES---------------------(3791)----	5.9	7.9	8.0	4.0	7.9	13.5	7.3	9.3	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3799	TRANSPORTATION EQUIPMENT, N.E.C.----(3799)----	3.1	0.6	0.5	3.7	9.3	9.6	12.6	10.7	9.9	0.0	2.4	1.1	0.0	0.0	1.7	0.9
3811	ENGINEERING & SCIENTIFIC INSTRUMENTS------------------------------(3811)----	15.0	6.8	7.4	5.1	3.4	3.4	3.2	3.7	3.4	0.0	0.2	0.2	1.3	0.0	0.3	0.3
3821	MECHNICAL MEASURING DEVICES---------(3821)----	18.2	11.1	8.4	10.7	8.2	12.0	7.5	9.2	9.2	0.0	0.1	0.0	0.5	0.0	0.1	0.1
3822	AUTOMATIC TEMPERATURE CONTROLS------(3822)----	14.0	9.4	7.0	8.1	9.2	13.8	7.8	8.6	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3831	OPTICAL INSTRUMENTS & LENSES--------(3831)----	25.3	18.0	14.8	13.2	10.6	5.7	8.7	10.8	8.8	0.0	0.4	0.0	0.3	0.0	0.3	0.1
3841	SURGICAL & MEDICAL INSTRUMENTS------(3841)----	24.5	17.2	12.5	10.2	8.1	11.0	10.6	10.4	9.8	0.6	0.9	0.6	0.0	0.0	0.6	0.4
3842	SURGICAL APPLIANCES & SUPPLIES------(3842)----	12.3	8.4	6.1	5.5	4.9	4.2	7.2	5.6	5.0	1.5	0.2	0.0	0.0	0.0	0.1	0.0
3843	DENTAL EQUIPMENT & SUPPLIES---------(3843)----	14.0	9.8	7.2	8.2	7.6	2.6	9.5	7.3	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3851	OPHTHALMIC GOODS--------------------(3851)----	16.6	14.7	13.7	14.3	10.2	12.8	12.0	12.5	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3861	PHOTOGRAPHIC EQUIPMENT & SUPPLIES---(3861)----	10.8	7.8	5.7	8.9	13.1	8.8	12.1	11.3	10.6	0.2	0.5	0.1	0.2	0.0	0.3	0.2
3871	WATCHES & CLOCKS--------------------(3871)----	39.9	25.6	28.8	18.3	8.2	15.2	12.8	12.7	11.7	0.0	0.3	0.0	0.0	0.0	0.2	0.0

Table 1.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using trade weighted averages)

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA)			GATT TARIFF AVERAGES (PERCENT)						NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES)						
		1965	1970	PKR	US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.	US	EEC	CANADA	JAPAN	UK	EEC CAN JAP UK	FOREIGN WTD.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3872	WATCHCASES----------(3872)----	43.0	25.8	19.8	21.4	6.5	20.0	15.2	14.7	13.8	0.0	0.7	0.0	0.0	0.0	0.4	0.0
3911	JEWELRY, PRECIOUS METAL----------(3911)----	23.8	16.2	11.9	14.7	7.8	12.3	15.4	11.6	10.7	0.0	1.1	0.0	1.5	0.0	0.8	0.4
3912	JEWELERS' FINDINGS & MATERIALS------(3912)----	37.7	26.3	18.8	12.7	9.4	14.4	14.9	12.4	11.9	0.0	0.9	0.0	2.2	0.0	0.0	0.6
3913	LAPIDARY WORK----------(3913)----	7.5	5.1	3.7	7.0	2.2	3.3	5.3	3.7	3.2	0.0	0.0	0.0	0.0	0.0	0.5	0.2
3914	SILVERWARE & PLATED WARE----------(3914)----	13.1	11.1	10.2	10.7	11.2	13.3	11.5	13.1	12.1	0.0	1.9	0.0	2.7	0.0	1.5	0.9
3931	MUSICAL INSTRUMENTS & PARTS----------(3931)----	19.0	13.9	10.5	8.8	8.1	12.7	9.0	10.5	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3941	GAMES & TOYS----------(3941)----	29.7	20.4	14.9	11.1	10.1	16.2	11.6	11.9	12.2	0.7	0.9	0.7	0.0	0.0	0.7	0.4
3942	DOLLS----------(3942)----	30.7	21.8	16.5	10.6	11.0	16.1	11.0	12.4	12.6	0.4	1.6	0.4	0.0	0.1	1.1	0.6
3943	CHILDREN'S VEHICLES, EXCEPT BICYCLES----------(3943)----	14.4	9.8	7.2	12.2	11.6	16.5	7.5	11.7	12.3	0.0	2.0	0.0	0.0	0.0	1.3	0.5
3949	SPORTING & ATHLETIC GOODS, N.E.C.---(3949)----	16.8	12.1	9.5	9.3	8.6	15.8	11.3	12.3	11.9	0.4	0.3	0.0	0.0	0.0	0.2	0.0
3951	PENS & MECHANICAL PENCILS----------(3951)----	28.9	20.4	14.7	10.0	8.4	13.0	11.6	10.9	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3952	LEAD PENCILS & ART GOODS----------(3952)----	14.8	10.4	7.8	8.1	8.2	16.6	11.1	11.2	11.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0
3953	MARKING DEVICES----------(3953)----	18.4	18.4	18.4	11.3	8.4	15.2	14.5	11.7	11.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3955	CARBON PAPER & INKED RIBBONS--------(3955)----	6.6	4.2	3.1	4.8	13.0	10.5	7.1	11.8	11.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3961	COSTUME JEWELRY----------(3961)----	31.5	24.3	18.5	13.0	9.0	11.2	10.5	10.1	9.9	0.0	0.7	0.0	0.0	0.0	0.4	0.2
3962	FEATHERS, PLUMES & ARTIFICIAL FLOWERS----------(3962)----	23.7	21.0	18.6	9.0	12.8	14.6	12.0	12.7	12.8	1.3	1.6	1.3	0.0	0.0	1.2	0.9
3963	BUTTONS----------(3963)----	15.3	17.4	15.4	16.4	12.6	22.4	11.5	16.6	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3964	NEEDLES, PINS, & FASTENERS----------(3964)----	28.4	17.2	13.3	9.8	7.2	15.9	11.1	11.4	11.1	0.0	0.8	0.0	1.8	0.0	0.7	0.5
3981	BROOMS & BRUSHES----------(3981)----	19.2	13.8	10.2	9.5	9.7	9.3	7.3	9.7	9.1	0.0	0.5	0.0	0.0	0.0	0.3	0.0
3982	HARD SURFACE FLOOR COVERINGS--------(3996)----	13.2	8.2	5.9	5.6	11.0	20.0	8.8	12.4	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3983	MATCHES (SIC 3999 IN 1967)----------(3983)----	17.1	9.6	7.0	4.1	8.3	12.6	3.8	8.1	8.6	3.3	1.3	1.7	0.0	0.0	1.0	0.8
3984	CANDLES (SIC 3999 IN 1967)----------(3984)----	18.4	12.9	9.2	10.0	8.0	20.0	7.5	11.4	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3988	MORTICIANS' GOODS----------(3994)----	17.3	12.1	8.8	8.9	7.5	4.8	11.3	8.0	7.3	0.0	0.7	0.0	0.0	0.0	0.0	0.0
3993	SIGNS & ADVERTISING DISPLAY--------(3993)----	17.5	10.6	7.8	9.5	7.5	9.5	10.0	9.3	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3995	UMBRELLAS, PARASOLS & CANES (SIC 3999 IN 1967)----------(3995)----	18.5	18.4	18.3	17.2	12.2	12.8	10.1	12.1	12.1	0.0	1.6	0.0	0.0	0.0	1.0	0.3
3999	MANUFACTURES, N.E.C.----------(3999)----	15.1	9.7	7.1	6.6	5.5	8.2	7.4	7.0	6.7	0.1	0.3	0.1	0.3	0.0	0.3	0.1
4101	SCREW MACHINE PRODUCTS----------(3451)-+ BOLTS, NUTS, SCREWS, RIVETS, & WASHERS----------(3452)----	7.7	5.4	4.1	5.1	7.3	12.9	6.3	9.2	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4208	VALVES & PIPE FITTINGS----------(3494)-+ FABRICATED PIPE & FABRICATED PIPE FITTINGS----------(3498)----	14.1	9.2	8.1	6.8	8.7	9.4	10.2	9.5	9.0	0.0	0.2	0.0	0.0	0.0	0.2	0.1
4703	SPECIAL DIES & TOOLS, DIE SETS------(3544)-+ MACHINE TOOL ACCESSORIES & MEASURING DEVICES----------(3545)----	13.6	10.8	7.8	9.9	6.2	13.1	8.1	9.2	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5503	CURRENT-CARRYING WIRING DEVICES-----(3643)-+ NONCURRENT-CARRYING WIRING DEVICES--(3644)----	15.0	10.6	7.7	10.6	7.9	17.1	9.2	10.7	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5701	RADIO & TELEVISION TYPE ELECTRON TUBES, EXCEPT CATHODE RAY----------(3671)-+ CATHODE RAY PICTURE TUBES----------(3672)-+ TRANSMITTING, INDUSTRIAL & SPECIAL PURPOSE ELECTRON TUBES----------(3673)----	11.5	8.9	6.4	7.5	13.8	5.4	14.1	12.6	10.6	0.0	2.7	6.7	3.3	0.0	2.9	3.3

Source: Compiled from data at the Trade Commission. IO-SIC refers to the Input-Output related Standard Industrial Classification as defined in the 478 sector 1963 U.S. input-output table. Pure SIC refers to the pure SIC codes that are found in the definition of the SIC in 1967. PKR refers to Post-Kennedy-Round tariff rates. The GATT tariff averages and non-tariff barrier indices come from data compiled for previous study: Trade Barriers, Report to Subcommittee on International Trade, U.S. Tariff Commission Pub. 665, Washington, D.C., April 1974.

Note: The U.S. tariffs used 1970 imports as averaging weights. The GATT tariffs use own-country import weights to average to the 4 digit BTN level; no weighting is used to aggregate down to the IO-SIC level.

The GATT rates are PKR rates.

Columns 9 and 16 contain averages of the average tariffs and NTB indices, respectively, for the EEC, Canada, Japan, and the United Kingdom.

Columns 10 and 17 contain weighted averages of the tariffs and NTBs respectively, of several countries. The weights were total shares of 1970 U.S. exports to these countries. If $\bar{t}$ ave. denotes a tariff average, the averaging formula is as follows (the same one was used for NTBs):

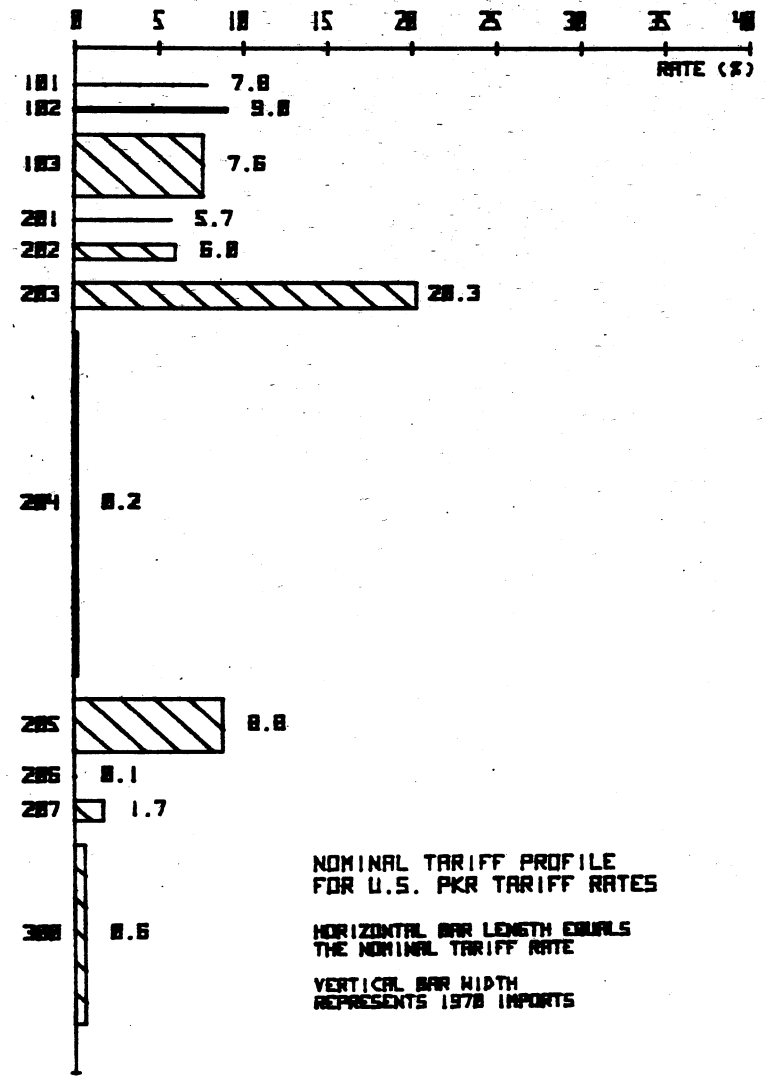
$$t_{ave} = 0.034t_{Australia} + 0.0025t_{Austria} + 0.328t_{Canada} + 0.0084t_{Denmark} + 0.0433t_{Belgium} + 0.0608t_{Netherlands} + 0.0547t_{France} + 0.0966t_{Germany} + 0.0494t_{Italy} + 0.0040t_{Ireland} + 0.1707t_{Japan} + 0.0061t_{Norway} + 0.0047t_{Portugal} + 0.02t_{Sweden} + 0.0237t_{Switzerland} + 0.0913t_{United\ Kingdom}.$$

The weights sum to unity.

The IO-SIC sectors presented are those which had trade data assigned to them. IO-SIC sectors which do not produce goods are not shown here but are shown in Appendix D.

CHART 1

Nominal tariff profiles for U.S. Post-Kennedy-Round (PKR) tariff rates



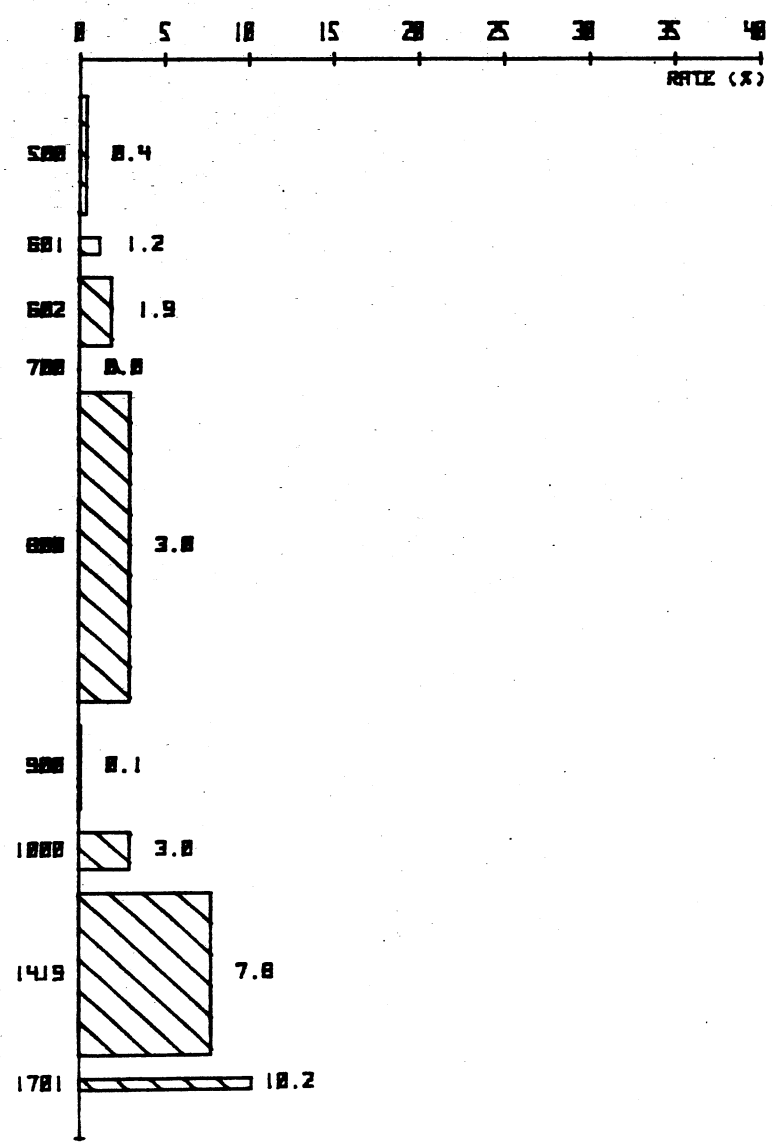
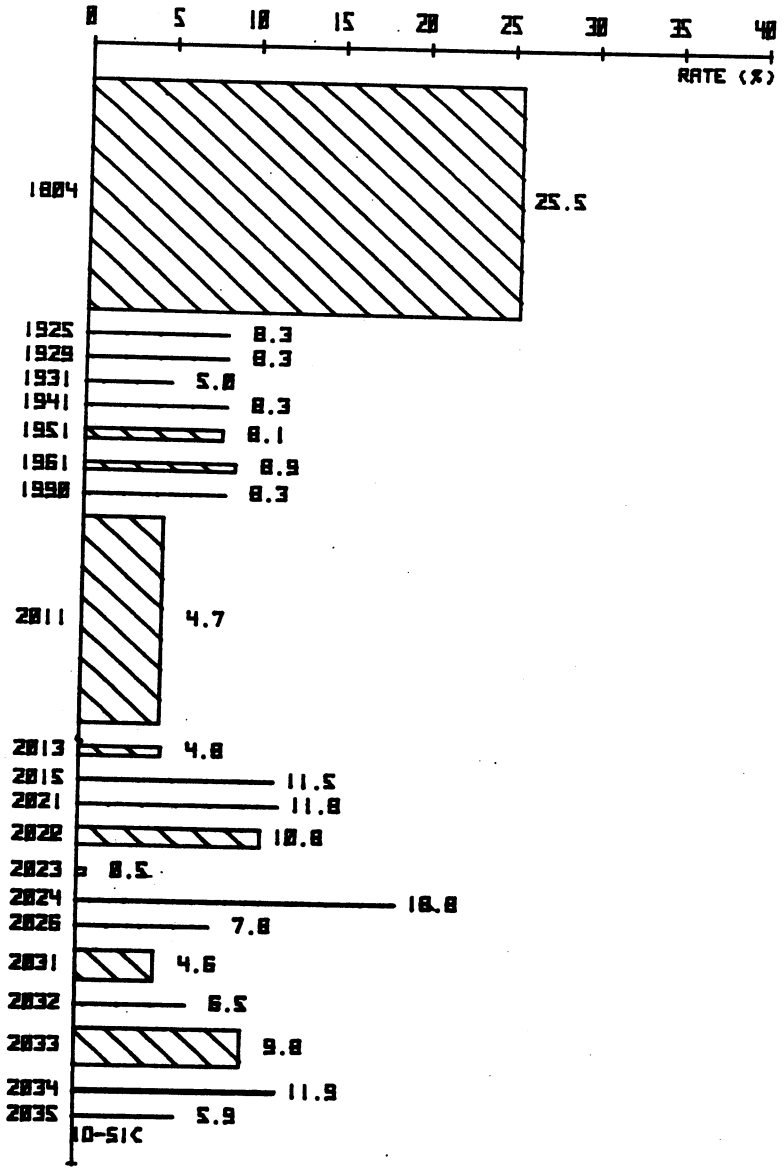
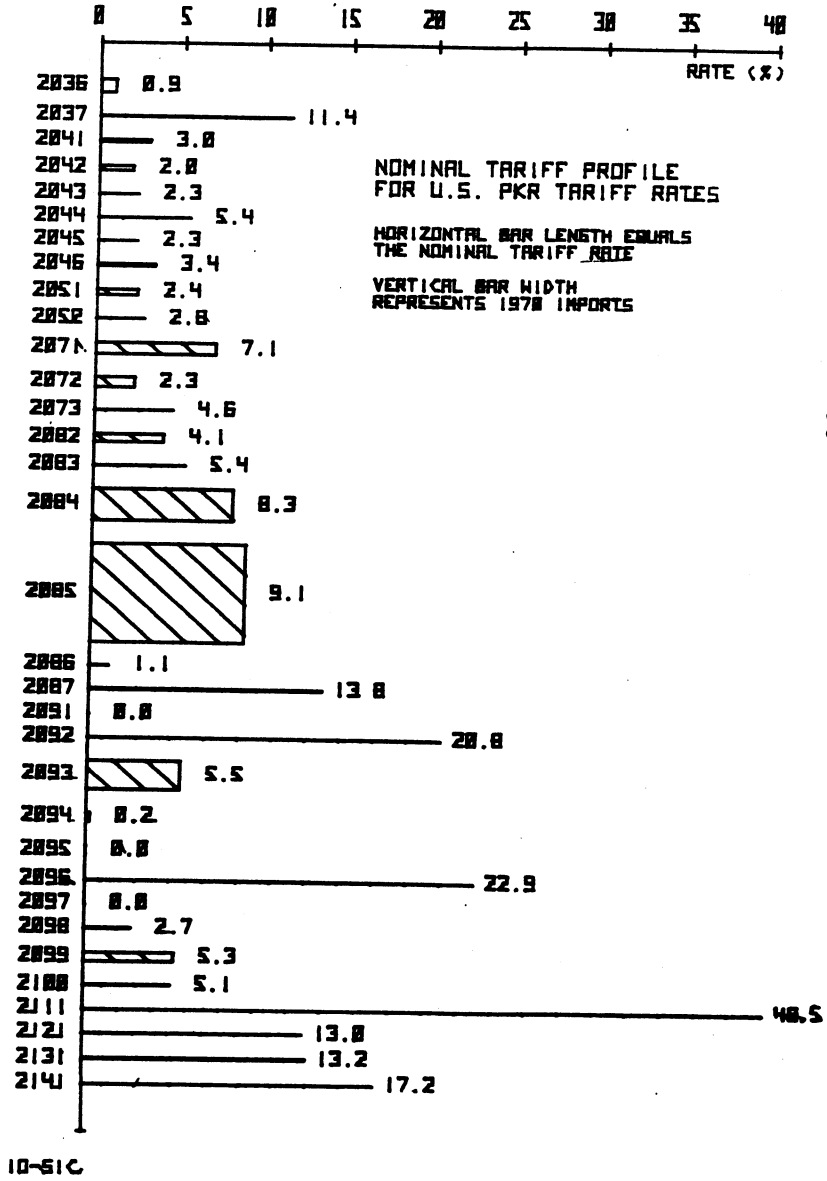


CHART 1--Cont.

Nominal tariff profiles for U.S. Post-Kennedy-Round (PKR) tariff rates





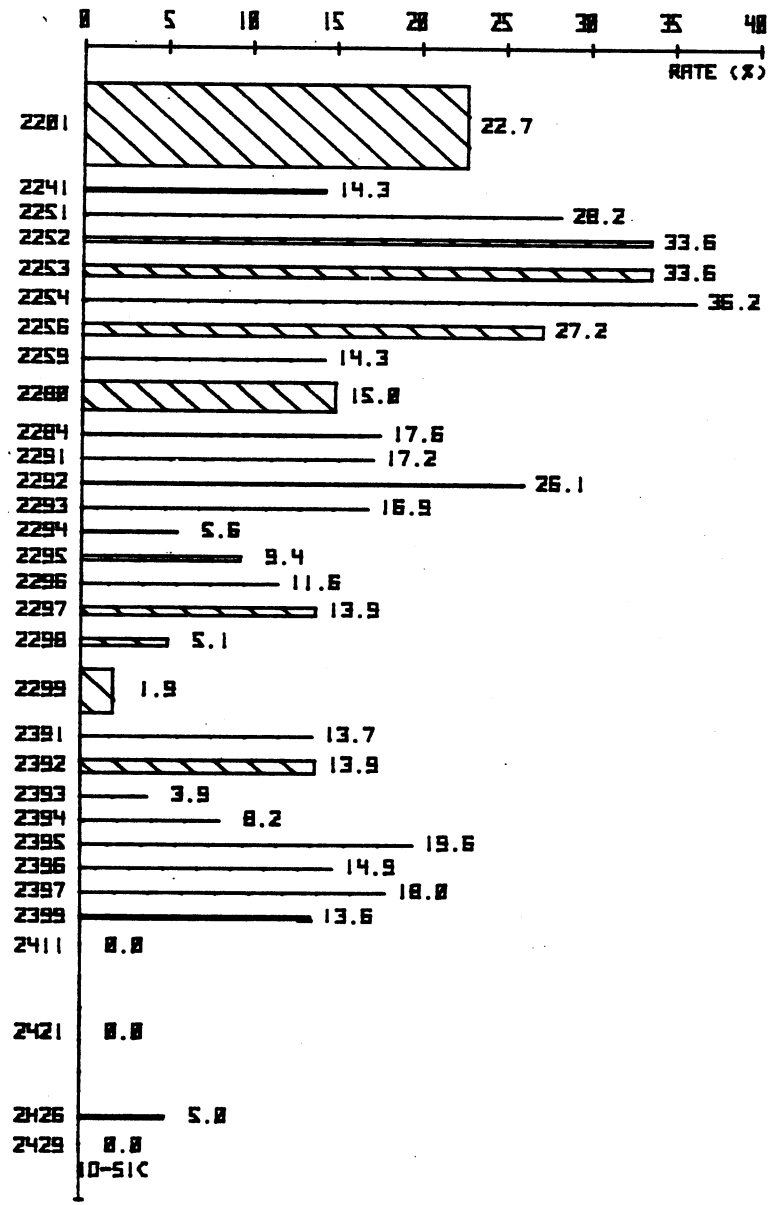
NOMINAL TARIFF PROFILE
FOR U.S. PKR TARIFF RATES

HORIZONTAL BAR LENGTH EQUALS
THE NOMINAL TARIFF RATE

VERTICAL BAR WIDTH
REPRESENTS 1970 IMPORTS

CHART 1--Cont.

Nominal tariff profiles for U.S. Post-Kennedy-Round (PKR) tariff rates



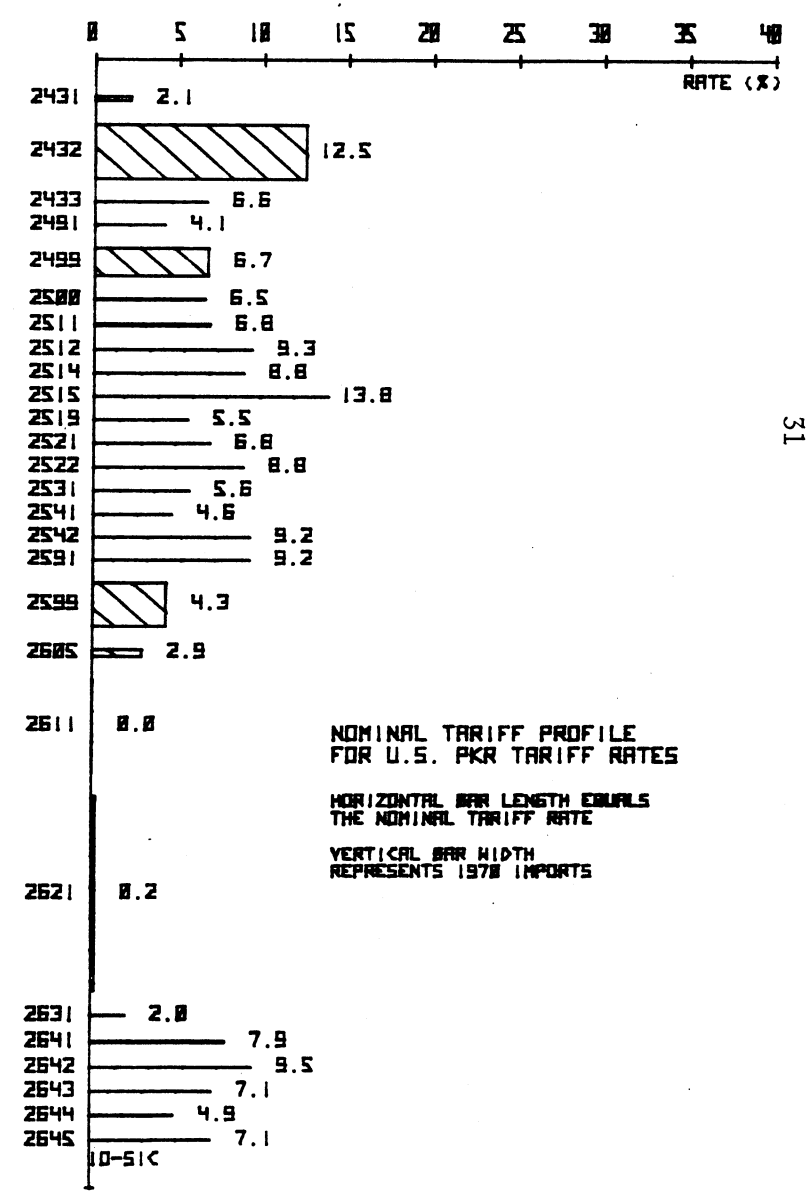
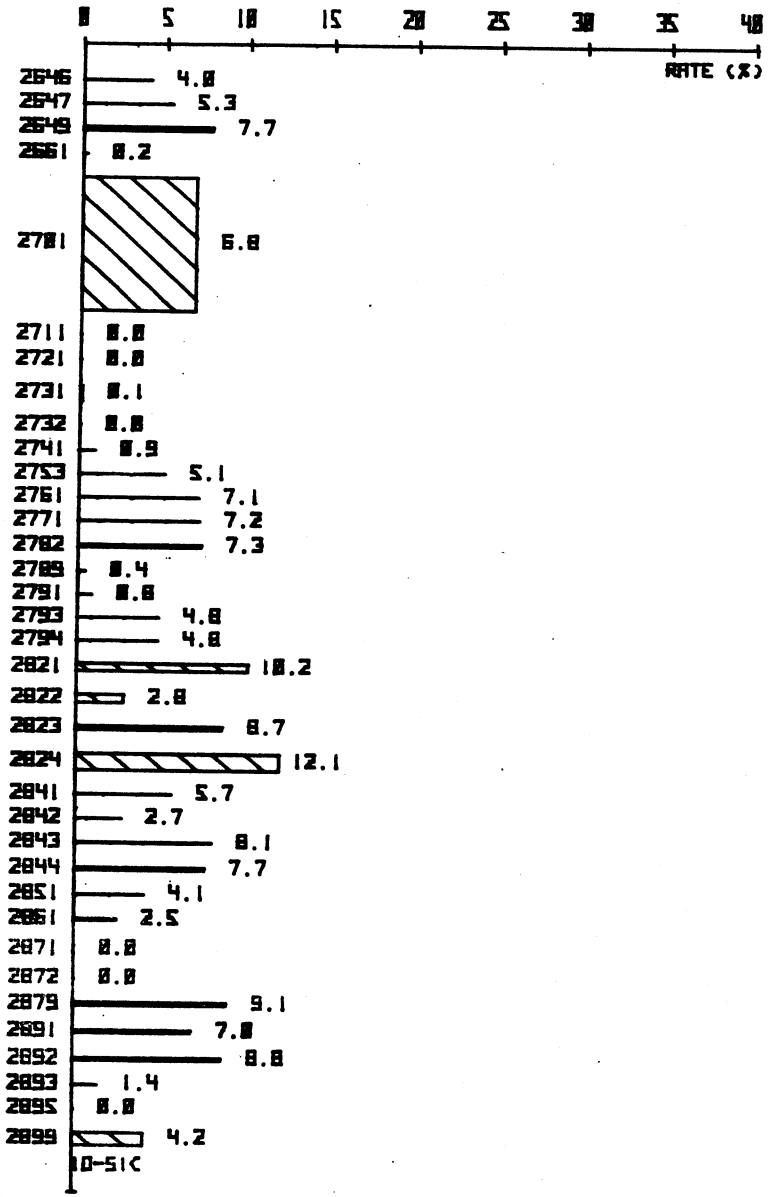


CHART 1--Cont.

Nominal tariff profiles for U.S. Post Kennedy-Round (PKR) tariff rates



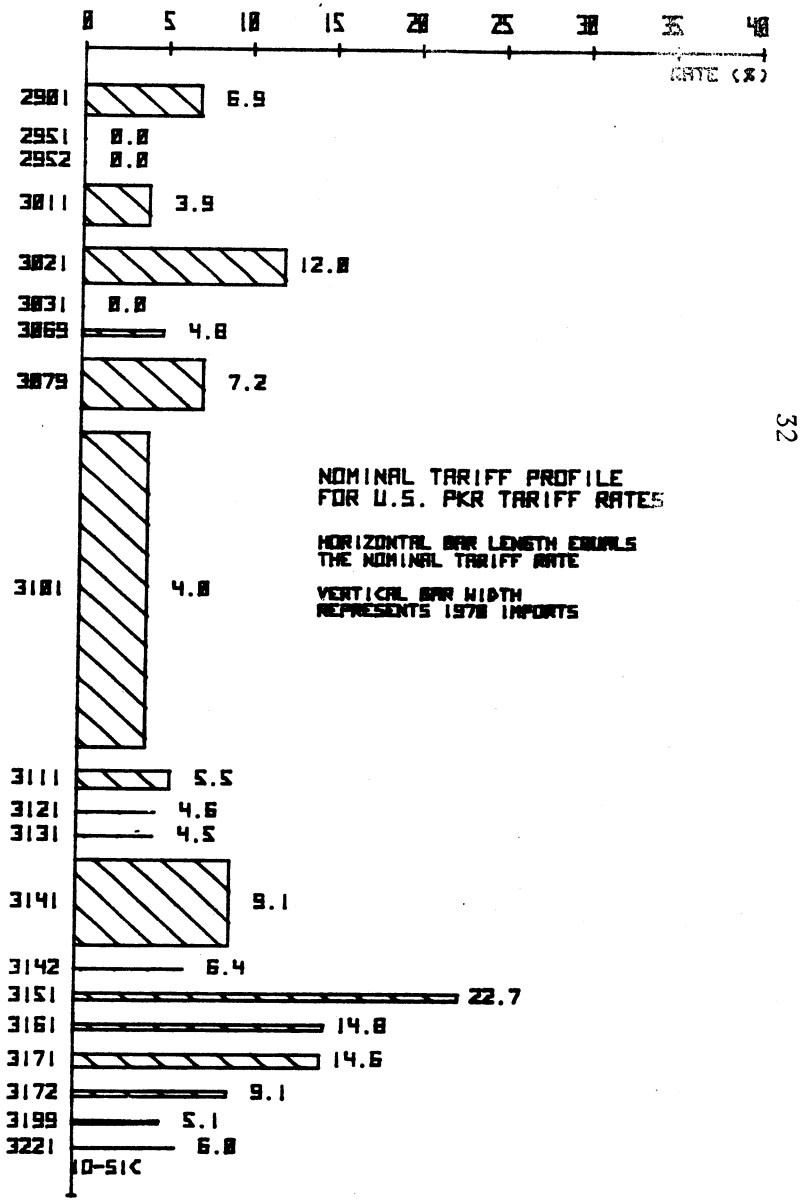
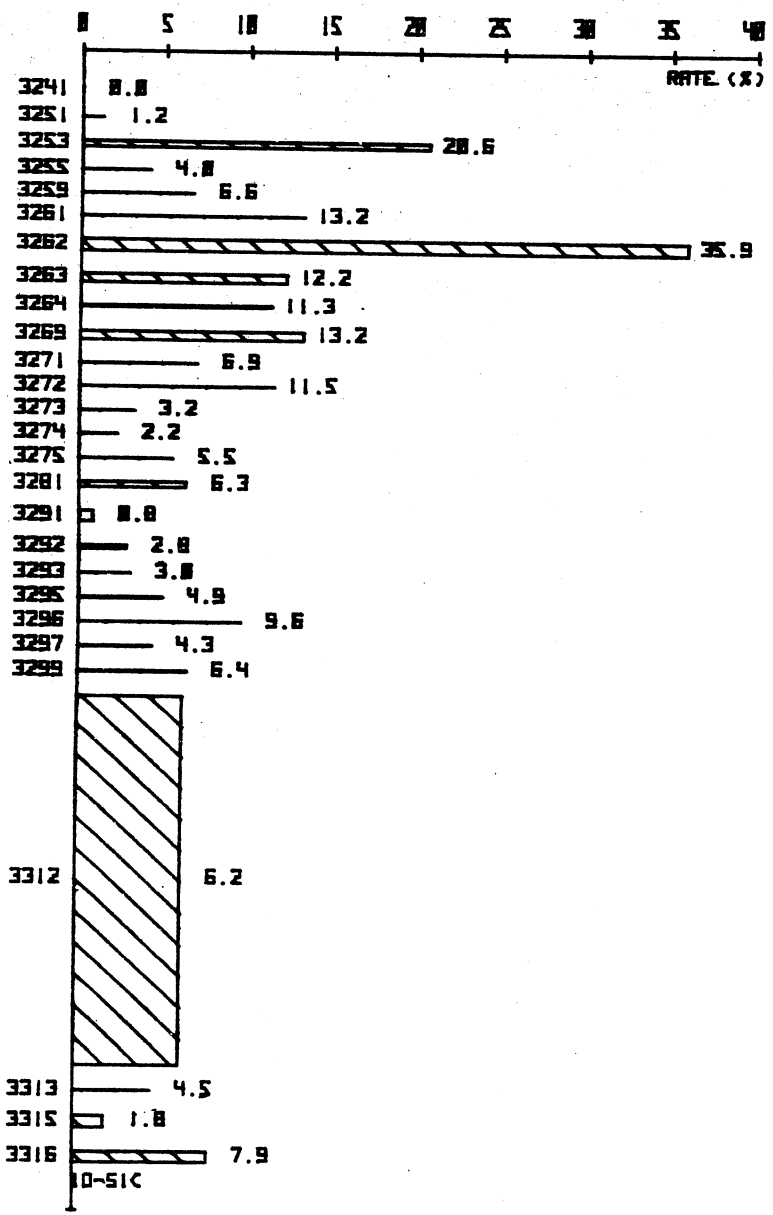


CHART 1--Cont.

Nominal tariff profiles for U.S. Post-Kennedy-Round (PKR) tariff rates



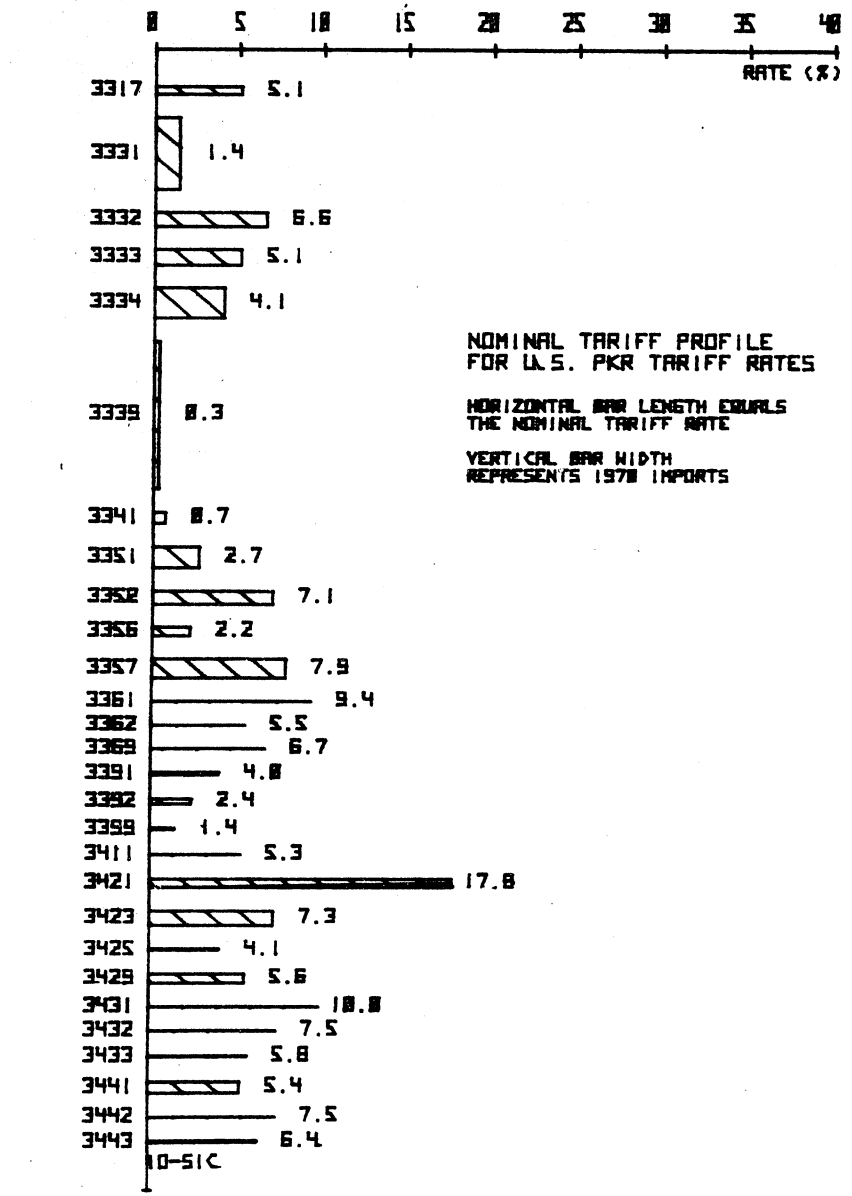


CHART 1--Cont.

Nominal tariff profiles for U.S. Post-Kennedy-Round (PKR) tariff rates

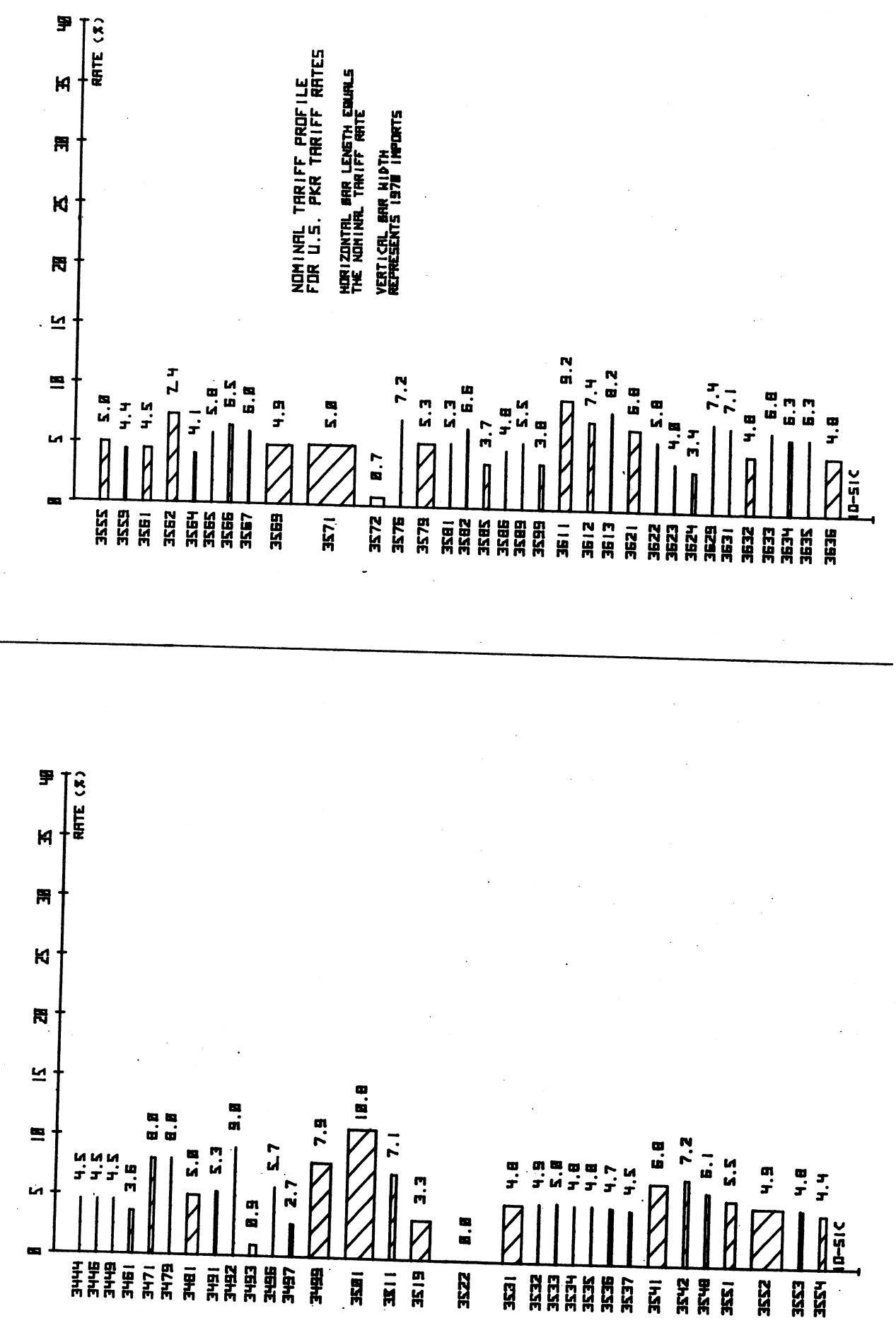
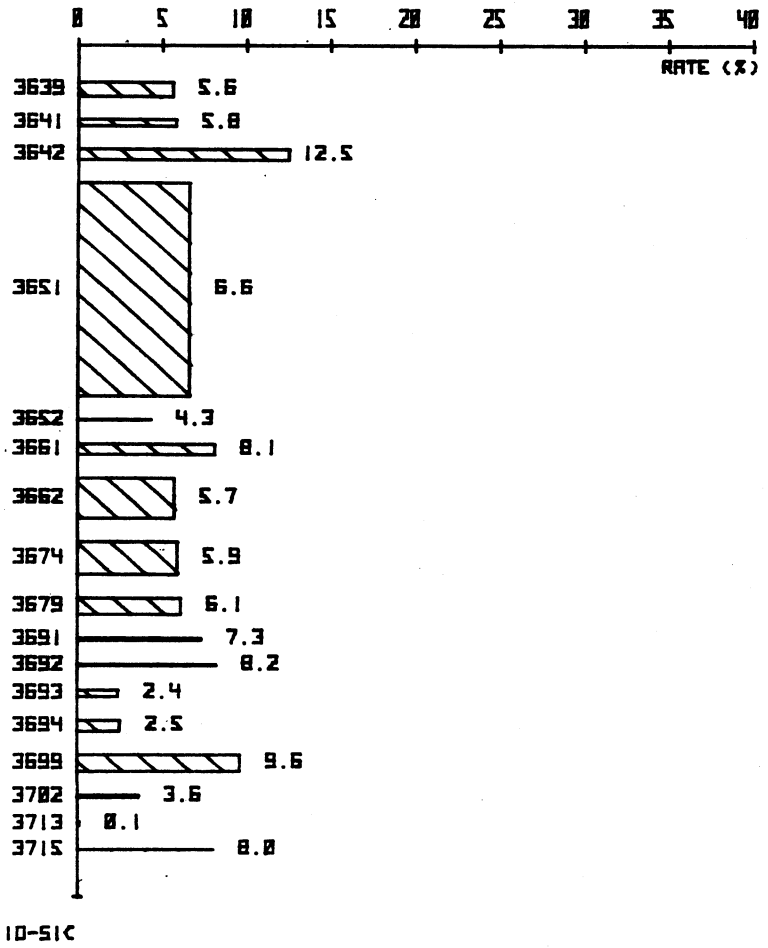


CHART 1--Cont.

Nominal tariff profiles for U.S. Post-Kennedy-Round (PKR) tariff rates



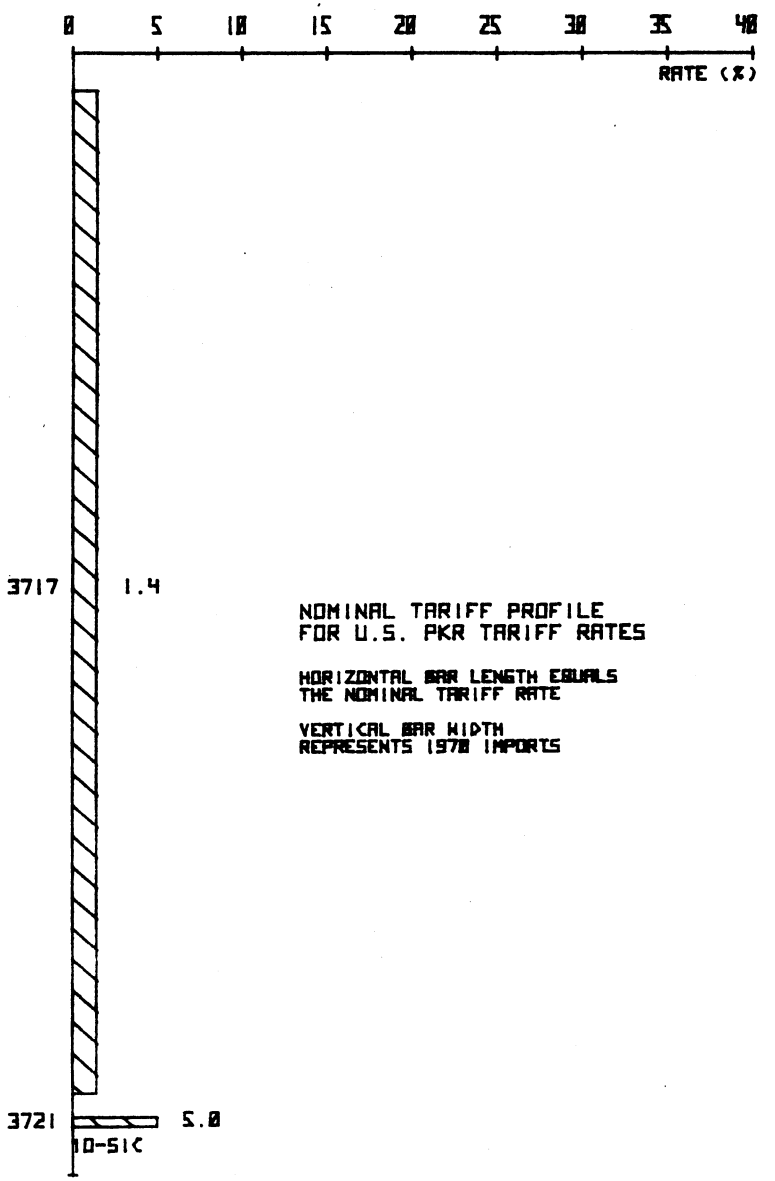
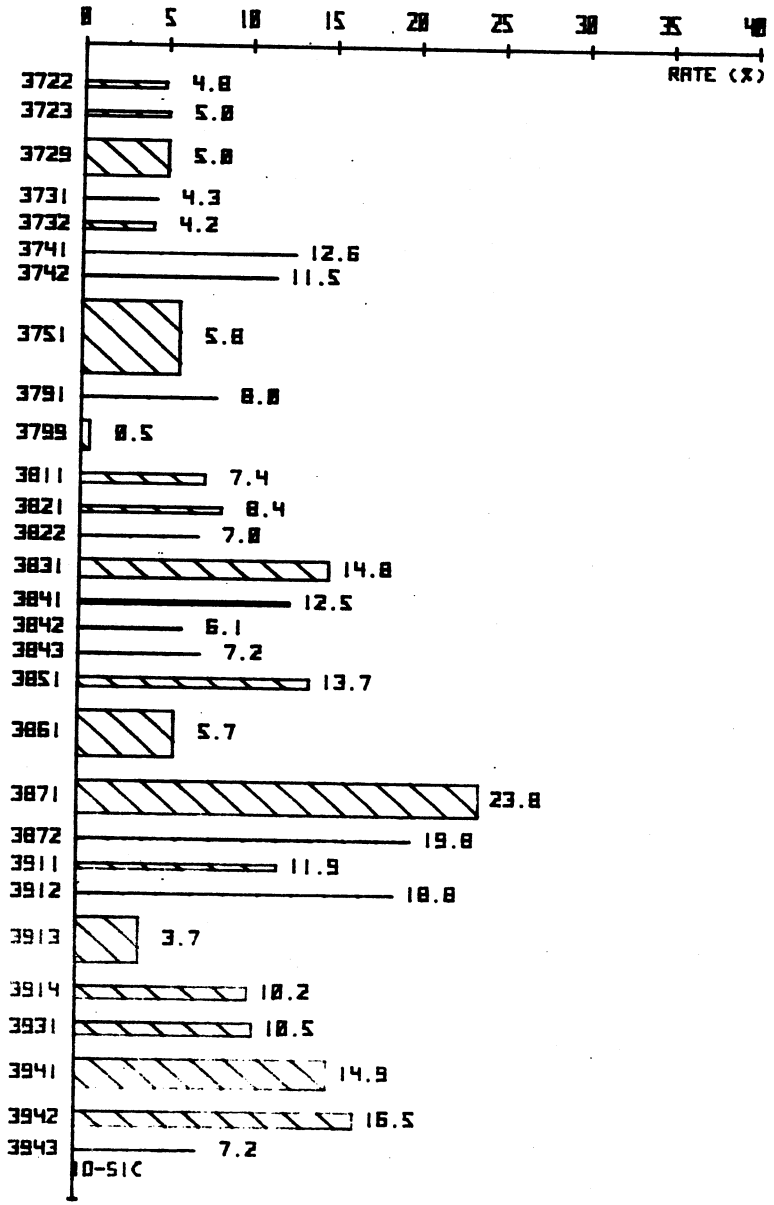
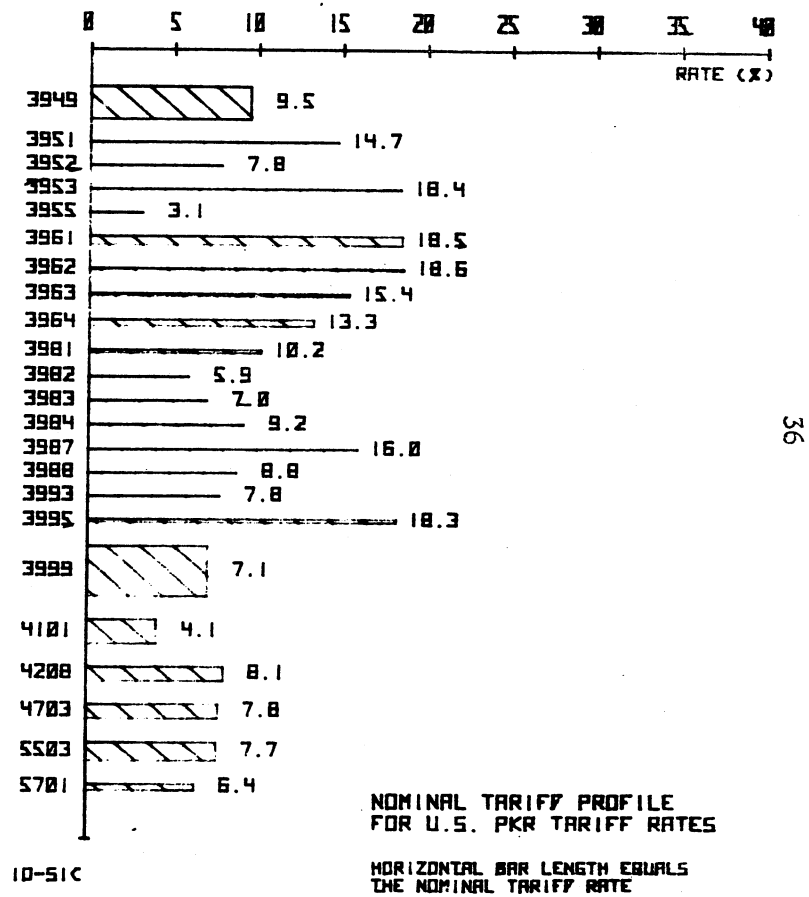


CHART 1--Cont.

Nominal tariff profiles for U.S. Post-Kennedy-Round (PKR) tariff rates





Source: The PKR nominal tariff rates come from column 4 of Table 1. The 1970 import weights that are represented by bar widths were calculated from data of the U.S. International Trade Commission.

Note: Tariff profiles are intended as visual aids in summarizing average tariff weights and the amount of trade affected by those tariff weights. The shaded area of the bar roughly represents the duty collected on imported goods that are thought to be competitive with U.S. products.

Table 2.--Rank correlation coefficients, ranks, and summary statistics of the data in table 1

VARIABLE	(NO)	(FOR 374 OBSERVATIONS)
USTT6570	(2)	
USTT7070	(3)	
USTTPK70	(4)	
GWNTUS	(5)	
GWNTEEC	(6)	
GWNTCAN	(7)	
GWNTJAP	(8)	
GWNTECJU	(9)	
GWNTACTY	(10)	
NTBUS	(11)	
NTBEEC	(12)	
NTBCAN	(13)	
NTBJAP	(14)	
NTBUK	(15)	
NTBECJU4	(16)	
NTBFWTDA	(17)	

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
(2)	******	0.933	0.856	0.719	0.462	0.509	0.289	0.544	0.548	0.096	0.103	0.027	-0.135	0.136	0.092	0.075
(3)	50.031	******	0.943	0.775	0.495	0.523	0.349	0.582	0.580	0.135	0.192	0.099	-0.059	0.236	0.181	0.159
(4)	31.935	54.668	******	0.803	0.457	0.520	0.382	0.574	-0.574	0.155	0.211	0.103	-0.003	0.274	0.201	0.185
(5)	19.941	23.673	26.005	******	0.510	0.569	0.430	0.636	0.632	0.111	0.197	0.071	-0.077	0.235	0.174	0.139
(6)	10.059	10.988	9.923	11.448	******	0.448	0.435	0.747	0.735	0.084	0.268	0.142	-0.011	0.292	0.249	0.206
(7)	11.412	11.823	11.743	13.344	9.674	******	0.372	0.782	0.861	0.042	0.029	-0.015	-0.233	0.088	0.017	0.014
(8)	5.820	7.182	7.979	9.198	9.324	7.720	******	0.686	0.618	0.172	0.355	0.222	0.241	0.262	0.353	0.310
(9)	12.510	13.821	13.533	15.892	21.683	24.192	18.161	******	0.979	0.118	0.280	0.100	-0.036	0.249	0.267	0.232
(10)	12.619	13.728	13.512	15.731	20.926	32.701	15.156	92.492	******	0.107	0.228	0.082	-0.088	0.234	0.214	0.189
(11)	1.864	2.634	3.028	2.156	1.635	0.820	3.361	2.293	2.081	******	0.571	0.611	0.178	0.518	0.579	0.616
(12)	2.002	3.782	4.161	3.879	5.362	0.567	7.325	5.629	4.519	13.407	******	0.571	0.460	0.627	0.984	0.904
(13)	0.524	1.925	2.001	1.381	2.776	-0.298	4.389	1.941	1.587	14.879	13.415	******	0.365	0.535	0.610	0.692
(14)	-2.621	-1.138	-0.058	-1.483	-0.214	-4.626	4.788	-0.703	-1.703	3.480	9.982	7.562	******	0.453	0.518	0.566
(15)	2.648	4.690	5.490	4.666	5.886	1.713	5.237	4.958	4.640	11.678	15.519	12.202	9.799	******	0.633	0.646
(16)	1.790	3.542	3.954	3.415	4.951	0.332	7.282	5.350	4.231	13.708	******	14.850	11.673	15.787	******	0.946
(17)	1.452	3.112	3.641	2.715	4.056	0.278	6.281	4.596	3.703	15.099	40.860	18.476	13.236	16.304	56.099	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 372

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
101	139.5	132.5	250.5	189.0	8.5	326.0	7.5	78.5	95.5	370.0	372.0	130.0	374.0	373.0	373.0	372.0
102	180.0	274.5	280.5	290.5	25.0	54.0	69.5	39.0	32.0	333.5	325.0	349.0	137.5	324.0	326.0	332.0
103	62.5	184.0	244.0	123.0	39.0	36.0	32.0	22.0	21.0	283.0	280.0	305.5	299.0	304.0	283.0	285.0
201	77.5	114.0	175.0	94.0	8.5	4.0	24.0	6.5	5.5	317.0	308.5	349.0	346.0	141.0	315.0	337.5
202	102.5	125.5	187.0	148.0	47.5	33.5	73.0	34.5	36.5	324.0	349.0	360.0	354.0	344.5	354.0	358.0
203	301.5	356.0	359.0	368.5	367.5	357.0	373.5	370.5	370.5	127.0	367.5	368.0	361.5	369.0	367.5	367.0
204	19.0	22.5	25.5	232.0	321.0	58.5	286.0	142.0	151.0	285.0	338.0	354.0	340.0	350.0	344.0	346.0
205	203.0	223.0	276.0	148.0	69.0	27.0	71.0	37.0	38.5	301.0	317.0	339.0	328.0	312.0	315.0	322.0
206	23.5	25.0	21.5	37.5	25.0	29.0	57.0	19.0	19.0	317.0	337.0	361.0	334.0	141.0	339.0	347.0
207	50.5	54.0	47.0	55.0	254.0	88.5	38.0	71.5	81.0	273.0	328.5	338.0	331.5	327.0	327.0	333.0
300	30.0	32.5	33.0	208.0	299.5	107.0	188.5	149.5	148.0	264.0	245.5	276.0	289.0	300.5	242.0	247.0
500	14.5	19.0	29.5	25.0	8.5	10.5	7.5	1.5	1.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
601	21.0	8.5	41.5	29.5	8.5	14.5	25.5	6.5	5.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
602	42.5	50.0	49.5	25.0	22.0	25.0	19.0	8.0	10.5	127.0	65.5	130.0	325.0	141.0	174.0	222.0
700	7.0	8.5	10.0	6.5	35.5	4.0	7.5	5.0	7.5	127.0	314.5	130.0	346.0	363.0	329.5	327.0
800	54.0	66.5	73.5	22.5	19.0	14.5	128.5	15.5	15.5	367.0	288.0	322.0	137.5	284.5	286.5	295.5
900	17.0	19.0	21.5	49.5	41.0	71.0	30.5	34.5	38.5	127.0	166.0	130.0	278.0	284.5	160.0	174.0
1000	61.0	68.5	73.5	48.0	32.5	32.0	20.0	13.0	18.0	127.0	215.0	130.0	309.5	284.5	225.0	227.0
1419	111.0	156.0	250.5	72.5	8.5	359.5	368.0	368.0	368.0	370.0	304.0	356.5	367.0	344.5	329.5	354.0
1701	303.5	309.5	300.5	301.0	352.0	353.0	294.5	345.5	350.0	329.5	292.5	130.0	137.5	141.0	286.5	277.5
1804	343.0	362.0	366.0	348.0	303.0	328.0	313.0	351.0	346.5	338.0	303.0	286.0	137.5	320.0	298.0	300.0
1925	34.5	44.5	269.5	341.0	64.0	345.0	350.0	255.0	296.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
1929	34.5	44.5	269.5	341.0	64.0	345.0	350.0	255.0	296.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
1931	52.0	150.5	142.0	94.0	18.0	315.5	34.5	51.0	88.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
1951	293.0	278.5	263.5	315.0	196.5	122.0	344.0	197.0	173.5	317.0	65.5	289.0	137.5	141.0	125.5	198.5
1961	67.0	83.0	279.0	317.5	196.5	312.0	343.0	272.5	308.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
1990	34.5	44.5	269.5	341.0	64.0	345.0	350.0	255.0	296.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2011	113.5	95.0	119.5	78.0	102.0	62.5	163.5	59.0	61.5	323.0	330.0	282.0	337.0	355.0	332.0	331.0
2013	183.5	100.5	126.5	66.0	313.5	97.5	345.0	286.0	251.5	349.5	341.0	130.0	365.5	361.5	351.0	349.0
2015	168.5	287.0	309.0	202.5	250.5	76.0	313.0	173.0	134.5	277.0	354.5	289.0	355.5	361.5	357.0	352.0
2021	217.5	244.0	312.0	254.5	8.5	140.5	356.0	154.0	122.0	373.0	371.0	368.0	372.5	374.0	372.0	373.0
2022	284.5	304.0	304.5	316.0	8.5	87.0	366.0	343.0	233.5	374.0	362.0	374.0	372.5	369.0	370.5	374.0
2023	25.0	30.5	31.5	160.5	20.0	261.5	359.0	227.5	237.0	372.0	350.0	373.0	368.5	352.0	363.0	369.0
2024	325.0	345.0	355.5	208.0	240.5	204.5	363.0	333.5	319.0	349.5	316.0	130.0	346.0	344.5	329.5	328.0

Table 2.--Rank correlation coefficients, ranks, and summary statistics of the data in table 1--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
2026	139.5	132.5	250.5	63.0	181.5	217.0	340.5	286.0	254.5	349.5	370.0	130.0	370.5	366.0	367.5	364.0
2031	122.5	132.5	116.5	78.0	360.0	136.0	332.5	291.0	296.5	127.0	334.0	333.5	321.0	352.0	333.5	337.5
2032	235.0	220.0	201.0	208.0	364.0	315.5	362.0	360.5	358.5	127.0	308.5	130.0	137.5	141.0	301.0	295.5
2033	183.5	257.0	297.0	237.5	322.5	149.0	337.0	255.0	265.0	268.0	333.0	314.0	327.0	336.0	328.0	329.0
2034	274.5	296.5	313.5	287.5	327.0	107.0	311.0	216.0	228.0	263.0	339.0	322.0	346.0	333.0	336.5	335.0
2035	206.0	191.5	184.0	164.5	341.5	185.0	358.0	347.0	344.0	127.0	65.5	130.0	346.0	141.0	287.5	283.5
2036	31.5	35.5	38.0	42.0	358.0	58.5	206.0	179.5	178.5	317.0	336.0	333.5	321.0	352.0	336.5	337.5
2037	240.0	283.0	307.0	322.0	346.0	103.0	335.5	249.0	259.0	273.0	365.0	342.5	346.0	340.0	355.0	354.0
2041	47.0	90.5	73.5	115.5	39.0	116.0	354.0	130.0	122.0	362.0	358.0	363.0	358.0	310.0	358.0	359.0
2042	59.5	59.0	51.5	15.0	53.0	58.5	17.0	28.0	34.5	303.0	319.0	342.5	316.5	337.5	324.0	330.0
2043	67.0	63.0	57.0	41.0	8.5	310.0	365.0	345.5	321.5	127.0	367.5	130.0	137.5	141.0	349.5	340.5
2044	109.0	176.5	160.0	131.5	32.5	107.0	348.0	90.0	98.0	349.5	357.0	358.5	368.5	308.0	361.0	361.0
2045	45.0	56.5	57.0	66.0	43.5	154.0	352.0	124.0	128.0	367.0	359.0	368.0	365.5	313.5	362.0	362.0
2046	139.5	191.5	79.5	46.5	188.0	166.5	332.5	165.5	188.5	309.5	326.0	355.0	357.0	305.5	356.5	350.0
2051	75.0	75.5	60.0	140.5	8.5	175.5	357.0	238.5	196.0	317.0	354.5	130.0	137.5	141.0	342.0	339.0
2052	90.0	85.5	69.0	197.5	8.5	182.0	361.0	276.5	228.0	329.5	351.0	130.0	137.5	141.0	340.0	321.0
2071	233.5	230.0	224.5	277.0	313.5	175.5	360.0	336.5	326.5	370.0	342.0	322.0	355.5	335.0	316.0	302.0
2072	94.5	66.5	57.0	32.5	246.0	78.0	237.5	76.0	98.0	327.0	281.0	325.0	329.0	324.0	293.5	306.0
2073	149.5	144.0	116.5	39.5	155.0	101.0	277.5	95.0	107.5	367.0	314.5	130.0	331.5	141.0	307.5	306.0
2082	149.5	122.0	96.0	148.0	105.0	189.0	292.0	190.0	188.5	292.5	343.0	333.5	346.0	324.0	305.0	344.0
2083	86.0	117.5	160.0	184.0	8.5	95.0	321.5	115.5	69.0	127.0	354.5	130.0	370.5	141.0	356.0	356.5
2084	187.5	225.5	269.5	174.5	371.0	113.0	367.0	367.0	367.0	349.5	373.0	356.5	137.5	316.5	370.5	370.0
2085	310.0	294.5	283.5	295.5	370.0	264.0	369.0	369.0	369.0	349.5	374.0	349.0	137.5	358.5	374.0	371.0
2086	40.5	36.0	40.0	22.5	246.0	43.5	346.0	179.5	137.5	127.0	346.5	130.0	346.0	141.0	342.0	339.0
2087	299.0	320.0	340.5	99.0	310.0	68.0	355.0	238.5	223.0	273.0	324.0	284.5	316.5	319.0	322.0	317.0
2091	7.0	19.0	10.0	35.5	43.5	35.0	67.0	40.0	30.0	127.0	298.0	341.0	352.5	141.0	297.5	327.0
2092	374.0	369.0	361.0	144.0	233.5	117.0	273.0	210.5	151.0	127.0	362.0	368.0	361.5	141.0	359.5	360.0
2093	73.0	139.5	165.0	151.0	233.5	119.5	223.0	190.0	143.0	127.0	344.0	362.0	335.5	313.5	340.0	355.0
2094	21.0	22.5	25.5	78.0	39.0	68.0	36.0	46.5	40.0	127.0	306.0	344.0	296.5	329.0	310.0	324.0
2095	7.0	8.5	10.0	6.5	341.5	38.0	292.0	119.5	134.5	317.0	323.0	333.5	137.5	141.0	315.0	315.5
2096	359.0	366.0	364.0	361.5	324.5	161.5	297.0	203.0	228.0	349.5	331.5	358.5	137.5	344.5	333.5	344.0
2097	7.0	8.5	10.0	27.0	40.0	10.5	22.5	17.5	17.0	127.0	346.5	130.0	137.5	141.0	336.5	338.0
2098	83.5	77.5	65.5	43.0	8.5	178.0	364.0	313.0	280.0	127.0	362.0	130.0	137.5	141.0	347.0	347.5
2099	125.5	144.0	155.5	115.5	295.0	133.5	321.5	220.5	228.0	305.0	335.0	315.0	335.5	328.0	331.0	329.0
2100	70.0	110.0	149.5	115.5	175.0	185.0	82.5	115.5	131.5	127.0	250.5	130.0	137.5	141.0	251.5	170.0
2111	371.0	374.0	374.0	354.0	373.0	373.0	371.0	373.0	373.0	127.0	362.0	368.0	361.5	369.0	365.0	365.0
2121	7.0	349.5	322.0	353.0	373.0	373.0	371.0	373.0	373.0	127.0	362.0	368.0	361.5	372.0	367.5	367.0
2131	224.0	296.5	324.0	353.0	373.0	373.0	371.0	373.0	373.0	127.0	346.5	368.0	361.5	369.0	364.0	363.0
2141	313.0	330.0	346.5	368.5	367.5	357.0	373.5	370.5	370.5	127.0	367.5	368.0	361.5	369.0	367.5	367.0
2201	336.0	357.0	362.5	358.0	318.5	308.0	155.5	338.0	333.5	322.0	313.0	326.0	137.5	349.0	311.0	314.0
2241	333.5	351.0	334.5	311.5	240.5	194.5	182.5	206.5	208.0	307.0	255.0	268.0	137.5	310.0	259.0	246.0
2251	352.5	368.0	369.0	372.0	336.5	369.0	297.0	364.0	364.0	349.5	319.0	130.0	137.5	344.5	315.0	306.0
2252	352.5	370.5	370.5	364.0	332.5	367.0	309.5	360.5	360.0	364.5	311.5	295.0	137.5	334.0	309.0	309.0
2253	357.0	370.5	370.5	364.0	345.0	368.0	325.0	362.0	361.5	362.0	328.5	329.0	137.5	339.0	325.0	320.0
2254	355.5	372.0	373.0	371.0	363.0	370.5	347.0	366.0	366.0	349.5	367.5	349.0	137.5	358.5	359.5	356.5
2256	355.5	365.0	368.0	373.0	341.5	370.5	317.0	363.0	363.0	349.5	308.5	130.0	137.5	141.0	301.0	295.5
2259	361.0	342.0	334.5	355.0	356.0	366.0	289.0	357.0	358.5	362.0	321.0	317.5	137.5	337.5	319.0	312.0
2260	303.5	335.5	342.0	322.0	212.0	191.5	180.5	190.0	184.0	304.0	248.0	265.5	137.5	307.0	245.0	228.0
2284	313.0	338.0	348.0	328.0	196.5	119.5	225.0	173.0	143.0	300.0	204.5	130.0	137.5	305.5	207.5	183.0
2291	351.0	352.0	346.5	356.0	233.5	342.0	135.0	294.0	320.0	349.5	305.0	130.0	137.5	141.0	295.5	285.0
2292	365.0	367.0	367.0	347.0	336.5	354.0	335.5	359.0	356.0	349.5	327.0	289.0	137.5	324.0	320.5	311.0
2293	342.0	347.0	345.0	225.5	42.0	156.0	22.5	48.0	53.5	317.0	279.0	130.0	137.5	141.0	273.5	253.5
2294	147.0	207.0	170.5	123.0	57.5	31.0	30.5	37.0	32.0	329.5	208.0	130.0	137.5	299.0	202.0	190.5
2295	240.0	274.5	291.5	254.5	277.5	330.0	146.5	335.0	326.5	127.0	298.0	130.0	137.5	344.5	301.0	295.5
2296	97.0	322.0	311.0	336.0	336.5	331.0	163.5	348.5	348.5	349.5	352.0	349.0	137.5	350.5	352.0	351.0
2297	286.0	323.0	332.5	361.5	47.5	38.0	21.0	23.0	22.5	127.0	65.5	317.5	137.5	141.0	142.0	225.0
2298	83.5	105.0	149.5	344.5	313.5	47.0	194.0	244.0	166.5	349.5	285.0	130.0	137.5	141.0	281.0	253.5
2299	54.0	61.0	49.5	313.5	175.0	171.0	87.0	145.5	143.0	306.0	275.0	281.0	137.5	316.5	279.0	281.0
2391	319.0	319.0	328.5	332.5	365.0	364.0	332.5	365.0	365.0	349.5	354.5	349.0	137.5	358.5	354.0	348.0
2392	330.0	328.0	332.5	322.0	306.0	333.0	221.0	339.5	341.5	329.5	294.0	313.0	137.5	321.0	297.0	302.0
2393	139.5	105.0	86.5	103.0	359.0	362.0	33.0	304.0	348.5	349.5	319.0	130.0	137.5	344.5	315.0	306.0
2395	369.0	364.0	357.0	335.0	330.0	357.0	326.5	358.0	357.0	349.5	331.5	295.0	137.5	331.5	323.0	313.0
2396	340.0	339.5	340.5	307.0	268.5	319.5	228.0	326.5	323.0	336.0	311.5	130.0	137.5	316.5	306.0	301.0
2397	366.0	358.5	350.0	344.5	313.5	345.0	339.0	354.5	351.0	364.5	322.0	295.0	137.5	331.5	315.0	310.0
2399	339.0	326.0	327.0	332.5	311.0	359.5	307.5	352.0	353.0	332.0	289.0	277.5	137.5	330.0	292.0	291.0
2411	7.0	8.5	10.0	6.5	21.0	20.0	16.0	10.0	9.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2421	26.5	25.0	10.0	20.0	45.5	10.5	18.0	17.5	15.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2426	213.5	172.0	142.0	189.0	163.5	164.5	249.5	203.0	166.5	302.0	197.0	277.5	137.5	141.0	192.5	210.0
2429	7.0	8.5	10.0	35.5	80.5	54.0	27.5	44.0	42.0	127.0	159.5	130.0	137.5	141.0	148.0	73.5
2431	42.5	61.0	53.0	103.0	163.5	200.5	249.5	197.0	196.0	127.0	174.5	130.0	137.5	141.0	167.0	73.5
2432	228.0	294.5	319.0	297.5	240.5	224.5	212.0	165.5	203.0	127.0	192.0	130.0	137.5	141.0	182.5	183.0
2433	249.5	244.0	205.0	21.0	122.0	95.0	48.0	90.0	77.5	127.0	174.5	130.0	137.5	141.0	167.0	73.5
2491	105.0	128.5	96.0	39.5	108.0	83.0	61.0	95.0	77.5	127.0	147.5	130.0	137.5	141.0	155.5	73.5
2499	224.0	244.0	208.5	170.5	170.0	109.5	172.5	124.0	118.0	127.0	194.0	130.0	291.0	141.0	195.0	183.0
2500	228.0	220.0	201.0	192.5	351.0	217.0	65.5	269.0	273.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2511	240.0	236.5	212.5	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2512	324.0	304.0	290.0	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2514	310.0	292.0	276.0	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2515	319.0	321.0	330.5	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2519	203.0	187.0	165.0	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2521	240.0	236.5	212.5	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2522	310.0	292.0	276.0	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2531	208.5	197.0	170.5	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2541	160.0	144.0	116.5	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2542	319.0	299.5	287.5	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2591	319.0	299.5	287.5	264.0	222.5	296.0	261.5	304.0	296.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2599	116.0	125.5	103.5	253.0	259.5	276.5	245.0	304.0	296.5	280.5	274.0	295.0	298.0	141.0	275.0	277.5
2605	73.0	72.5	71.0	51.5	126.5	220.0	39.0	95.0	125.5	280.5	65.5	279.0	137.5	141.0	120.5	179.0
2611	7.0	8.5	10.0	6.5	25.0	4.0	48.0	12.0	12.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2621	21.0	25.0	25.5	46.5	299.5	175.5	146.5	249.0	233.5	127.0	182.5	130.0	137.5	141.0	175.5	176.0
2631	92.5	75.5	51.5	69.0	297.5	239.5	172.5	276.5	265.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2641	295.0	264.5	255.5	223.5	327.0	245.0	163.5	330.0	312.0	280.5	204.5	130.0	137.5	141.0	191.0	189.0
2642	310.0	299.5	293.5	221.5	356.0	288.0	110.0	336.5	341.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2643	271.5	257.0	224.5	330.0	289.0	312.0	321.5	343.0	337.5	127.0	298.0	130.0	137.5	141.0	289.5	232.5
2644	171.0	162.0	135.0	131.5	336.5	269.5	48.0	238.5	284.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5

Table 2.--Rank correlation coefficients, ranks, and summary statistics of the data in table 1--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
2647	192.5	166.0	155.5	13.0	264.5	185.0	179.0	210.5	208.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2649	279.0	274.5	246.0	237.5	317.0	224.5	76.0	272.5	265.0	127.0	140.5	130.0	137.5	141.0	125.5	73.5
2661	62.5	41.0	25.5	177.0	303.0	269.5	321.5	350.0	333.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2701	187.5	202.0	212.5	157.0	205.0	119.5	130.5	111.5	113.0	256.0	185.0	270.0	290.0	293.0	149.0	214.0
2711	7.0	8.5	10.0	6.5	8.5	17.5	7.5	3.5	3.5	349.5	225.0	349.0	137.5	141.0	253.0	295.5
2721	17.0	8.5	10.0	6.5	8.5	17.5	7.5	3.5	3.5	349.5	225.0	349.0	137.5	141.0	253.0	295.5
2731	38.5	19.0	21.5	17.0	117.5	259.0	7.5	55.0	101.5	333.5	225.0	333.5	137.5	141.0	241.5	277.5
2732	23.5	8.5	10.0	15.0	80.5	235.5	7.5	46.5	72.0	336.0	204.5	327.5	137.5	141.0	220.0	268.5
2741	50.5	38.0	38.0	19.0	54.0	172.5	7.5	33.0	48.0	325.5	162.5	317.5	137.5	141.0	196.5	237.5
2753	120.0	96.0	149.5	25.0	112.0	340.0	15.0	100.5	178.5	317.0	65.5	333.5	137.5	141.0	167.0	253.5
2761	253.5	241.0	224.5	147.5	330.0	259.0	78.0	320.5	315.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2771	257.5	247.5	231.5	217.5	303.0	350.0	110.0	304.0	329.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2782	267.5	261.5	236.0	257.0	356.0	296.0	130.5	286.0	329.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2789	28.5	28.0	29.5	15.0	80.5	204.5	7.5	43.0	61.5	336.0	225.0	340.0	137.5	141.0	238.0	282.0
2794	166.0	156.0	126.5	29.5	66.5	85.5	110.0	63.0	58.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2821	332.0	315.0	300.5	232.0	196.5	197.0	188.5	149.5	166.5	266.0	65.5	130.0	137.5	141.0	59.5	73.5
2822	92.5	85.5	69.0	148.0	77.0	126.0	65.5	63.0	75.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2823	337.0	285.5	273.0	339.0	272.5	113.0	261.5	220.5	173.5	269.0	143.5	130.0	137.5	141.0	59.5	73.5
2824	267.5	318.0	316.0	328.0	256.5	126.0	233.5	190.0	159.5	266.0	138.5	130.0	137.5	300.5	144.0	165.5
2841	120.0	135.5	175.0	284.0	348.0	154.0	277.5	265.0	251.5	269.5	202.0	264.0	281.0	269.0	149.0	156.0
2842	80.0	79.0	65.5	123.0	92.0	189.0	184.5	111.5	122.0	127.0	188.0	130.0	137.5	141.0	178.0	163.5
2843	290.5	278.5	263.5	287.5	350.0	149.0	273.0	265.0	251.5	262.0	207.0	265.5	282.0	290.0	201.0	213.0
2844	289.0	268.5	246.0	157.0	284.5	339.0	306.0	316.5	326.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2851	118.0	117.5	96.0	72.5	72.5	200.5	110.0	78.5	113.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2861	26.5	32.5	62.5	82.5	52.0	38.0	48.0	37.0	36.5	275.0	145.0	130.0	286.0	141.0	145.0	166.0
2871	7.0	8.5	10.0	6.5	31.0	4.0	7.5	11.0	10.5	127.0	245.5	130.0	137.5	141.0	228.0	207.5
2872	7.0	8.5	10.0	6.5	45.5	4.0	7.5	15.5	14.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2879	305.5	307.0	285.5	202.5	287.5	140.5	198.5	159.0	155.0	255.0	195.0	261.0	279.0	291.0	140.0	203.0
2891	267.5	251.0	219.0	115.5	100.5	91.0	146.5	90.0	81.0	127.0	233.5	244.5	284.0	310.0	241.0	249.0
2892	59.5	47.0	276.0	115.5	112.0	140.5	110.0	90.0	98.0	127.0	133.5	130.0	137.5	141.0	149.0	149.0
2893	49.0	50.0	44.5	29.5	175.0	224.5	212.0	173.0	196.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2895	102.5	50.0	10.0	6.5	25.0	4.0	48.0	14.0	13.0	127.0	225.0	130.0	137.5	141.0	207.5	198.5
2899	109.0	90.5	100.5	237.5	308.0	172.5	221.0	216.0	217.5	259.0	213.0	271.0	280.0	295.0	214.0	221.0
2901	247.0	223.0	216.5	248.0	324.5	144.0	253.5	233.0	233.5	258.0	217.0	263.0	292.0	292.0	219.0	226.0
2951	7.0	8.5	10.0	18.0	25.0	49.0	27.5	20.0	20.0	325.5	182.5	130.0	308.0	141.0	196.5	215.0
2952	70.0	50.0	10.0	115.5	336.5	180.0	82.5	286.0	259.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3011	147.0	105.0	86.5	87.0	264.5	283.0	239.5	294.0	308.0	127.0	264.5	130.0	137.5	141.0	253.0	73.5
3021	282.5	309.5	315.0	320.0	362.0	363.0	342.0	354.5	361.5	127.0	285.0	130.0	321.0	324.0	288.5	295.5
3031	7.0	8.5	10.0	131.5	29.0	68.0	67.5	45.0	41.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3069	174.0	150.5	126.5	232.0	212.0	229.5	188.5	190.0	208.0	266.0	138.5	130.0	137.5	141.0	124.0	73.5
3079	273.0	254.0	231.5	228.5	205.0	211.0	159.5	165.5	184.0	284.0	216.0	273.5	137.5	302.0	219.0	216.0
3101	40.5	56.5	90.0	202.5	290.5	123.5	217.5	154.0	155.0	308.0	238.0	269.0	300.0	294.0	235.0	240.0
3111	155.5	174.5	165.0	131.5	77.0	185.0	328.5	227.5	184.0	127.0	199.0	130.0	346.0	141.0	245.5	274.0
3121	160.0	144.0	116.5	115.5	161.5	332.0	353.0	341.0	337.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3131	154.0	135.5	111.0	115.5	145.0	329.0	282.5	276.5	287.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3141	217.5	282.0	283.5	243.0	281.0	200.5	233.5	227.5	241.5	127.0	225.0	130.0	304.0	141.0	222.5	232.5
3142	231.0	216.5	197.5	243.0	281.0	200.5	233.5	227.5	241.5	127.0	225.0	130.0	304.0	141.0	222.5	232.5
3151	333.5	346.0	362.5	359.5	294.0	365.0	279.0	356.0	353.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3161	338.0	328.0	338.5	344.5	270.5	345.0	249.5	326.5	337.5	127.0	264.5	130.0	137.5	141.0	253.0	232.5
3171	327.0	328.0	336.0	319.0	264.5	273.0	286.0	304.0	308.0	127.0	264.5	130.0	137.5	141.0	253.0	232.5
3172	231.0	257.0	283.5	280.5	196.5	275.0	242.0	260.0	269.5	127.0	199.0	130.0	137.5	141.0	187.5	170.0
3199	190.0	168.5	149.5	237.5	233.5	335.0	315.0	330.0	326.5	127.0	174.5	130.0	137.5	141.0	167.0	170.0
3221	213.5	211.0	187.0	237.5	277.5	308.0	110.0	272.5	308.0	127.0	298.0	130.0	137.5	344.5	301.0	295.5
3241	58.0	38.0	10.0	6.5	57.5	22.5	48.0	30.5	25.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3251	367.0	54.0	41.5	180.5	72.5	279.0	48.0	124.0	155.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3253	331.0	349.5	360.0	351.0	145.0	337.0	48.0	216.0	265.0	292.5	290.0	130.0	137.5	141.0	254.0	277.5
3255	134.5	110.0	90.0	180.5	170.0	73.0	150.5	63.0	73.5	127.0	174.5	130.0	137.5	141.0	167.0	170.0
3259	236.5	220.0	205.0	287.5	84.5	334.0	48.0	154.0	223.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3261	350.0	337.0	324.0	338.0	348.0	341.0	110.0	330.0	345.0	127.0	298.0	130.0	137.5	354.0	305.0	303.0
3262	372.0	373.0	372.0	374.0	369.0	337.0	110.0	339.5	355.0	127.0	346.5	130.0	137.5	364.5	349.5	340.5
3263	341.0	324.0	317.0	344.5	353.0	350.0	110.0	320.5	346.5	127.0	340.0	130.0	137.5	364.5	342.0	327.0
3264	313.0	313.5	306.0	305.0	250.5	252.0	228.0	238.5	245.5	127.0	167.0	317.5	137.5	141.0	185.0	237.5
3269	348.0	339.5	324.0	367.0	361.0	296.0	110.0	304.0	337.5	127.0	291.0	130.0	137.5	356.0	304.0	304.0
3271	261.0	230.0	216.5	365.5	57.5	304.5	110.0	135.0	166.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3272	290.5	304.0	309.0	365.5	57.5	304.5	110.0	135.0	166.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3273	144.5	100.5	77.0	6.5	57.5	22.5	48.0	30.5	25.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3274	98.0	80.5	54.5	66.0	28.0	83.0	7.5	21.0	24.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3275	195.5	181.5	165.0	32.5	49.0	194.5	54.0	66.5	81.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3281	236.5	216.5	194.0	148.0	84.5	58.5	82.5	57.0	55.5	127.0	136.5	130.0	137.5	141.0	123.0	151.0
3291	37.0	35.5	36.0	87.0	96.0	128.0	82.5	86.0	88.0	127.0	131.0	130.0	137.5	141.0	119.0	147.0
3292	87.0	80.5	69.0	153.0	196.5	217.0	188.5	184.5	196.0	127.0	147.5	130.0	137.5	141.0	135.5	73.5
3293	96.0	85.5	73.5	174.5	246.0	213.0	202.0	197.0	208.0	127.0	153.0	130.0	137.5	141.0	142.0	73.5
3295	198.5	72.5	135.0	170.5	17.0	140.5	7.5	25.5	34.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3296	293.0	306.0	295.5	295.5	274.5	355.0	233.5	323.5	340.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3297	147.0	122.0	103.5	180.5	170.0	73.0	150.5	63.0	73.5	127.0	174.5	130.0	137.5	141.0	167.0	170.0
3299	228.0	216.5	197.5	131.5	96.0	149.0	74.5	82.5	93.5	127.0	132.0	130.0	137.5	141.0	120.5	148.0
3312	100.0	137.5	192.0	186.5	240.5	104.0	163.5	130.0	118.0	260.5	201.0	260.0	285.0	296.0	198.0	190.5
3313	106.5	122.0	111.0	94.0	105.0	126.0	87.0	82.5	88.0	127.0	142.0	130.0	137.5	141.0	127.0	150.0
3315	54.0	50.0	48.0	34.0	151.5	243.5	172.5	190.0	203.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3316	160.0	214.0	255.5	243.0	145.0	93.0	163.5	106.0	95.5	127.0	233.5	130.0	137.5	141.0	218.0	73.5
3317	80.0	98.0	149.5	94.0	287.5	91.0	82.5	210.5	143.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3331	38.5	8.5	44.5	51.5	8.5	10.5	25.5	9.0	7.5	127.0	65.5	130.0	304.0	141.0	135.5	170.0
3332	104.0	144.0	205.0	63.0	69.0	62.5	63.0	42.0	43.0	127.0	159.5	130.0	309.5	284.5	182.5	183.0
3333	73.0	92.5	149.5	87.0	105.0	65.5	140.0	51.0	53.5	127.0	225.0	130.0	304.0	141.0	222.5	219.0
3334	83.5	82.0	96.0	103.0	105.0	30.0	155.5	51.0	46.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3339	28.5	27.0	28.0	103.0	57.5	76.0	69.5	49.0	46.0	127.0	157.0	130.0	276.0	141.0	151.0	155.0
3341	31.5	30.5	34.5	131.5	62.0	73.0	78.0	53.0	49.5	127.0	156.0	130.0	275.0	141.0	148.0	154.0
3351	83.5	68.5	65.5	55.0	212.0	97.5	340.5	216.0	159.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3352	187.5	197.0	224.5	228.5	308.0	168.0	330.0	260.0	259.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3356	48.0	58.0	54.5	202.5	117.5	54.0	135.0	59.0	57.0	127.0	155.0	130.0	294.0	141.0	157.5	187.0
3357	288.0	266.5	255.5	164.5	292.5	229.5	338.0	291.0	280.0	127.0	164.5	130.0	137.5	141.0	155.5	73.5
3361	296.5	290.0	291.5	272.0	196.5	185.0	198.5	154.0	173.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3362	183.5	181.5	165.0	221.5	155.0	319.5	273.0	272.5	277.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3369	231.0	211.0	208.5	217.5	188.0	256.5	273.0	238.5	241.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3391	65.0	61.0	90.0	177.0	188.0	149.0	172.5	147.0	137.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5

Table 2.--Rank correlation coefficients, ranks, and summary statistics of the data in table 1--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
3392	70.0	42.0	60.0	78.0	50.5	24.0	55.0	25.5	22.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3399	57.0	44.5	44.5	164.5	99.0	80.0	150.5	71.5	65.0	127.0	182.5	130.0	137.5	141.0	153.5	160.5
3411	180.0	168.5	155.5	103.0	212.0	323.0	172.5	249.0	273.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3421	354.0	354.0	349.0	328.0	284.0	283.0	144.0	294.0	284.0	127.0	214.0	130.0	137.5	141.0	200.0	193.5
3423	287.0	259.5	236.0	277.0	205.0	248.5	150.5	203.0	217.5	127.0	174.5	130.0	137.5	141.0	167.0	170.0
3425	130.0	117.5	96.0	78.0	277.5	47.0	204.5	124.0	101.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3429	233.5	179.0	170.5	304.0	250.5	189.0	302.0	238.5	233.5	127.0	250.5	130.0	331.5	141.0	260.0	253.5
3431	329.0	309.5	298.0	160.5	158.0	241.5	332.5	286.0	254.5	127.0	241.5	130.0	352.5	284.5	277.0	288.5
3432	281.0	271.0	242.5	257.0	181.5	326.0	212.0	265.0	273.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3433	210.0	202.0	180.0	197.5	130.5	229.5	150.5	165.5	178.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3441	134.5	128.5	160.0	103.0	158.0	133.5	63.0	90.0	101.5	127.0	168.0	130.0	137.5	141.0	157.5	73.5
3442	271.5	263.0	242.5	217.5	145.0	83.0	212.0	111.5	101.5	127.0	192.0	130.0	137.5	141.0	182.5	73.5
3443	224.0	216.5	197.5	72.5	69.0	109.5	63.0	59.0	65.0	311.5	150.5	130.0	137.5	141.0	139.5	152.5
3444	152.0	110.0	111.0	87.0	136.5	113.0	59.0	71.5	88.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3446	152.0	110.0	111.0	87.0	136.5	113.0	59.0	71.5	88.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3449	152.0	110.0	111.0	87.0	136.5	113.0	59.0	71.5	88.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3461	67.0	94.0	81.5	103.0	322.5	88.5	110.0	165.5	166.5	127.0	264.5	130.0	137.5	141.0	253.0	223.5
3471	130.0	197.0	259.5	217.5	163.5	101.0	202.0	130.0	107.5	127.0	210.0	130.0	304.0	141.0	216.5	198.5
3479	130.0	197.0	259.5	217.5	163.5	101.0	202.0	130.0	107.5	127.0	210.0	130.0	304.0	141.0	216.5	198.5
3481	168.5	150.5	142.0	197.5	233.5	256.5	207.0	255.0	248.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3491	180.0	168.5	155.5	103.0	212.0	323.0	172.5	249.0	273.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3492	307.5	292.0	280.5	293.0	250.5	326.0	212.0	244.0	284.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3493	125.5	40.0	38.0	49.5	196.5	209.5	172.5	179.5	184.0	127.0	174.5	130.0	137.5	141.0	167.0	73.5
3496	195.5	179.0	175.0	103.0	212.0	323.0	172.5	249.0	273.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3497	134.5	77.5	65.5	208.0	112.0	99.0	155.5	86.0	81.0	127.0	190.0	130.0	296.5	141.0	192.5	193.5
3499	255.0	264.5	255.5	223.5	163.5	224.5	172.5	179.5	188.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3501	335.0	316.0	304.5	331.0	254.0	191.5	172.5	197.0	196.0	127.0	212.0	275.0	277.0	297.0	214.0	217.0
3511	200.5	236.5	224.5	170.5	61.0	105.0	221.0	100.5	81.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3519	100.0	88.5	78.0	78.0	145.0	27.0	302.0	100.5	69.0	127.0	225.0	130.0	137.5	141.0	207.5	73.5
3522	14.5	8.5	10.0	37.5	277.5	41.0	144.0	100.5	93.5	127.0	241.5	130.0	137.5	141.0	226.0	204.0
3531	160.0	150.5	126.5	115.5	222.5	149.0	135.0	130.0	128.0	127.0	182.5	130.0	137.5	141.0	175.5	176.0
3532	166.0	162.0	135.0	153.0	126.5	169.5	128.5	115.5	125.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3533	171.0	172.0	142.0	103.0	130.5	130.5	140.0	111.5	113.0	127.0	65.5	295.0	137.5	141.0	129.0	207.5
3534	171.0	162.0	126.5	131.5	136.5	130.5	110.0	100.5	113.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3535	174.0	162.0	126.5	131.5	136.5	130.5	110.0	100.5	113.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3536	160.0	144.0	119.5	131.5	136.5	130.5	110.0	100.5	113.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3537	113.5	150.5	111.0	94.0	188.0	229.5	212.0	197.0	208.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3541	267.5	236.5	212.5	213.0	72.5	283.0	140.0	173.0	196.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3542	249.5	247.5	231.5	213.0	72.5	283.0	140.0	173.0	196.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3548	224.0	211.0	190.0	164.5	122.0	217.0	194.0	149.5	159.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3551	206.0	191.5	165.0	170.5	100.5	266.0	110.0	154.0	184.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3552	243.5	230.0	135.0	164.5	87.5	62.5	132.0	66.5	60.0	127.0	133.5	280.0	137.5	141.0	131.0	183.0
3553	177.0	150.5	126.5	157.0	117.5	268.0	110.0	184.5	208.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3554	143.0	128.5	106.5	115.5	80.5	95.0	110.0	71.5	69.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3555	183.5	176.5	142.0	131.5	92.0	80.0	261.5	106.0	88.0	127.0	164.5	130.0	137.5	141.0	155.5	73.5
3559	142.0	122.0	106.5	59.0	96.0	161.5	135.0	108.5	113.0	127.0	65.5	295.0	137.5	141.0	129.0	207.5
3561	144.5	137.5	111.0	87.0	126.5	209.5	225.0	149.5	166.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3562	257.5	261.5	239.5	251.0	264.5	43.5	292.0	139.0	104.5	127.0	264.5	130.0	137.5	141.0	253.0	73.5
3564	125.5	114.0	96.0	109.0	145.0	233.0	305.0	210.5	217.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3565	177.0	144.0	180.0	192.5	117.5	40.0	245.0	82.5	63.0	127.0	147.5	130.0	137.5	141.0	155.5	156.5
3566	240.0	202.0	201.0	184.0	145.0	175.5	110.0	135.0	128.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3567	220.5	202.0	187.0	213.0	112.0	213.0	110.0	139.0	143.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3569	177.0	168.5	135.0	140.5	87.5	161.5	135.0	108.5	107.5	127.0	154.0	273.5	137.5	141.0	152.0	178.0
3571	192.5	172.0	142.0	94.0	151.5	224.5	297.0	210.5	213.0	127.0	135.0	130.0	311.0	141.0	167.0	188.0
3572	34.5	34.0	34.5	44.5	122.0	248.5	299.5	223.5	223.0	127.0	65.5	130.0	321.0	141.0	167.0	198.5
3576	264.0	259.5	231.5	208.0	105.0	154.0	110.0	115.5	118.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3579	187.5	174.5	155.5	170.5	122.0	136.0	307.5	197.0	148.0	127.0	65.5	130.0	346.0	141.0	207.5	232.5
3581	195.5	184.0	155.5	6.5	8.5	4.0	7.5	1.5	1.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3582	219.0	236.5	205.0	237.5	89.5	207.5	110.0	119.5	131.5	127.0	225.0	130.0	137.5	141.0	207.5	73.5
3585	116.0	98.0	83.5	131.5	112.0	266.0	309.5	227.5	245.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3586	155.5	162.0	126.5	103.0	136.5	169.5	230.0	144.0	143.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3589	198.5	179.0	165.0	82.5	112.0	204.5	140.0	139.0	137.5	127.0	65.5	305.5	137.5	141.0	155.5	219.0
3599	94.5	72.5	85.0	44.5	145.0	70.0	188.5	106.0	88.0	127.0	192.0	322.0	137.5	141.0	207.5	232.5
3611	208.5	251.0	287.5	284.0	181.5	271.0	245.0	260.0	259.0	127.0	140.5	130.0	295.0	141.0	148.0	183.0
3612	213.5	225.5	239.5	270.0	136.5	149.0	155.5	145.5	131.5	127.0	250.5	130.0	321.0	141.0	253.0	253.5
3613	284.5	284.0	266.5	237.5	130.5	288.0	110.0	184.5	233.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3621	195.5	211.0	212.5	228.5	96.0	246.5	182.5	173.0	178.5	127.0	264.5	130.0	137.5	141.0	253.0	232.5
3622	109.0	184.0	180.0	280.5	175.0	319.5	280.0	280.5	284.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3623	134.5	105.0	90.0	53.0	196.5	252.0	150.5	173.0	203.0	127.0	174.5	130.0	137.5	141.0	167.0	73.5
3624	106.5	92.5	79.5	186.5	151.5	233.0	110.0	139.0	143.0	127.0	174.5	130.0	137.5	141.0	167.0	73.5
3629	213.5	236.5	239.5	284.0	163.5	278.0	253.0	265.0	259.0	127.0	159.5	130.0	137.5	141.0	148.0	159.0
3631	263.0	247.5	224.5	170.5	240.5	337.0	212.0	280.5	317.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3632	174.0	162.0	126.5	131.5	77.0	276.5	304.0	220.5	238.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3633	251.0	230.0	212.5	237.5	89.5	207.5	110.0	119.5	131.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3634	247.0	230.0	194.0	189.0	122.0	17.5	110.0	56.0	44.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3635	247.0	230.0	194.0	184.0	181.5	319.5	110.0	203.0	251.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3636	160.0	156.0	126.5	144.0	181.5	221.0	237.5	238.5	223.0	127.0	308.5	130.0	137.5	141.0	301.0	277.5
3639	203.0	191.5	170.5	180.5	151.5	252.0	159.5	159.0	188.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3641	125.5	156.0	180.0	280.5	175.0	312.0	282.5	286.0	280.0	127.0	143.5	130.0	137.5	141.0	129.0	73.5
3642	279.0	309.5	319.0	349.0	268.5	140.5	249.5	220.5	196.0	292.5	254.0	130.0	137.5	141.0	245.5	219.0
3651	213.5	207.0	205.0	192.5	281.0	204.5	194.0	231.0	233.5	127.0	236.5	130.0	314.0	141.0	238.0	242.5
3652	137.0	132.5	103.5	144.0	155.0	197.0	194.0	130.0	137.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3661	293.0	268.5	263.5	245.5	163.5	315.5	110.0	197.0	238.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3662	64.0	128.5	175.0	157.0	259.5	180.0	188.5	216.0	208.0	127.0	236.5	130.0	314.0	141.0	238.0	242.5
3674	224.0	207.0	184.0	228.5	284.0	157.5	273.0	249.0	217.5	127.0	285.0	349.0	321.0	141.0	295.5	315.5
3679	213.5	187.0	190.0	208.0	259.5	144.5	204.5	184.5	166.5	127.0	210.0	305.5	304.0	141.0	227.0	260.0
3691	261.0	197.0	236.0	251.0	259.5	91.0	212.0	130.0	122.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3692	299.0	285.5	266.5	257.0	366.0	213.0	110.0	332.0	343.0	127.0	298.0	130.0	137.5	141.0	289.5	277.5
3693	77.5	72.5	60.0	245.5	170.0	17.5	194.0	86.0	55.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3694	76.0	70.0	62.5	177.0	286.0	144.5	261.5	206.5	196.0	127.0	250.5	130.0	137.5	141.0	231.5	73.5
3699	164.0	274.5	295.5	272.0	205.0	261.5	289.0	260.0	259.0	127.0	159.5	130.0	137.5	141.0	148.0	73.5
3702	88.0	88.5	81.5	217.5	191.0	166.5	172.5	179.5	159.5	127.0	147.5	130.0	137.5	141.0	135.5	73.5
3713	17.0	19.0	21.5	55.0	354.0	21.0	74.5	139.0	122.0	127.0	285.0	130.0	137.5	141.0	281.0	245.0
3715	90.0	191.5	259.5	69.0	205.0	252.0	90.0	165.5	196.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3717	80.0	54.0	44.5	63.0	318.5	43.5	289.0	203.0	155.0	127.0	302.0	289.0	137.5	141.0	294.0	283.0
3721	160.0	139.5	142.0	115.5	158.0	51.0	72.0	41.0	46.0	317.0	225.0	333.5	137.5	141.0	231.5	253.5

Table 2.--Rank correlation coefficients, ranks, and summary statistics of the data in table 1--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
3722	120.0	102.0	126.5	78.0	145.0	27.0	302.0	100.5	69.0	127.0	225.0	130.0	321.0	141.0	231.5	198.5
3723	45.0	64.5	142.0	131.5	84.5	10.5	321.5	78.5	51.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3729	45.0	64.5	142.0	131.5	84.5	10.5	321.5	78.5	51.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3731	130.0	122.0	103.5	59.0	35.5	51.0	40.5	25.5	28.0	349.5	188.0	130.0	137.5	141.0	178.0	163.5
3732	122.5	117.5	100.5	59.0	35.5	51.0	40.5	25.5	28.0	349.5	188.0	130.0	137.5	141.0	178.0	163.5
3741	347.0	335.5	321.0	94.0	130.5	62.5	158.0	71.5	69.0	127.0	204.5	130.0	338.5	141.0	238.0	258.5
3742	267.5	299.5	309.0	280.5	96.0	119.5	48.0	71.5	75.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3751	200.5	202.0	180.0	290.5	297.5	304.5	233.5	343.0	333.5	127.0	245.5	130.0	137.5	316.5	247.0	207.5
3791	90.0	191.5	259.5	69.0	205.0	252.0	90.0	165.5	196.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3799	56.0	29.0	31.5	59.0	272.5	164.5	294.5	233.0	217.5	127.0	292.5	322.0	137.5	141.0	249.5	288.5
3811	276.5	162.0	239.5	140.5	50.5	47.0	29.0	30.5	32.0	127.0	152.0	272.0	312.0	141.0	186.0	223.5
3821	315.0	280.5	272.0	309.5	233.5	217.0	110.0	159.0	178.5	127.0	136.5	130.0	293.0	141.0	142.0	176.0
3822	257.5	241.0	219.0	248.0	270.5	255.0	110.0	143.0	213.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3831	349.0	341.0	338.5	326.0	296.0	80.0	163.5	238.5	155.0	127.0	186.0	130.0	287.0	284.5	182.5	183.0
3841	346.0	332.5	319.0	303.0	222.5	193.0	228.0	223.5	213.0	277.0	241.5	289.0	137.5	141.0	231.5	239.0
3842	220.5	211.0	190.0	153.0	75.0	56.0	87.0	54.0	49.5	311.5	150.5	130.0	137.5	141.0	139.5	152.5
3843	257.5	254.0	231.5	251.0	188.0	33.5	198.5	93.0	65.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3851	296.5	317.0	328.5	334.0	292.5	237.5	282.5	320.5	269.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3861	191.0	187.0	175.0	274.5	341.5	140.5	286.0	265.0	245.5	257.0	196.0	262.0	283.0	288.0	194.0	205.0
3871	370.0	360.0	365.0	359.5	233.5	273.0	299.5	326.5	284.0	127.0	169.0	130.0	137.5	141.0	159.0	73.5
3872	373.0	361.0	358.0	370.0	126.5	350.0	326.5	348.5	331.0	127.0	225.0	130.0	137.5	141.0	207.5	73.5
3911	345.0	325.0	313.5	337.0	196.5	224.5	328.5	276.5	248.5	127.0	253.0	130.0	314.0	141.0	253.0	242.
3912	368.0	363.0	355.5	324.0	274.5	263.0	318.0	316.5	296.5	127.0	241.5	130.0	331.5	141.0	253.0	2 1.0
3913	112.0	98.0	83.5	208.0	35.5	43.5	56.0	30.5	28.0	127.0	239.0	130.0	137.5	141.0	222.5	198.5
3914	243.5	280.5	300.5	309.5	308.0	246.5	261.5	333.5	312.0	127.0	282.0	130.0	338.5	141.0	285.0	267.0
3931	326.0	313.5	303.0	272.0	222.5	235.5	180.5	227.5	223.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3941	362.0	349.5	340.5	311.5	290.5	288.0	273.0	291.0	315.0	280.5	245.5	295.0	137.5	141.0	238.0	242.
3942	363.0	355.0	344.0	307.0	303.0	286.0	239.5	316.5	321.5	270.5	277.0	283.0	137.5	3 .0	2 .0	267.5
3943	267.5	254.0	231.5	317.5	316.0	304.5	110.0	280.5	317.5	127.0	285.0	130.0	137.5	1 .0	1.0	253.5
3949	299.0	288.5	293.5	287.5	254.0	280.0	249.5	314.0	296.5	270.5	174.5	130.0	137.5	141.0	167.0	156.5
3951	360.0	349.5	337.0	301.0	246.0	241.5	273.0	244.0	241.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3952	274.5	266.5	250.5	248.0	233.5	308.0	242.0	260.0	277.0	277.0	65.5	130.0	137.5	141.0	59.5	73.5
3953	319.0	343.5	352.0	313.5	246.0	273.0	316.0	280.5	277.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3955	100.0	85.5	76.0	115.5	336.5	180.0	82.5	286.0	259.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3961	364.0	358.5	353.0	325.0	264.5	197.0	225.0	210.5	217.5	127.0	225.0	130.0	137.5	141.0	207.5	198.5
3962	344.0	353.0	354.0	277.0	332.5	266.0	282.5	326.5	324.0	309.5	278.0	327.5	137.5	141.0	279.0	290.0
3963	282.5	334.0	343.0	350.0	327.0	361.0	261.5	353.0	353.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3964	358.0	332.5	326.0	297.5	163.5	283.0	242.0	269.0	265.0	127.0	235.0	130.0	326.0	141.0	244.0	248.0
3981	328.0	312.0	300.5	293.0	284.0	157.5	90.0	190.0	173.5	127.0	199.0	130.0	137.5	141.0	187.5	73.5
3982	245.0	205.0	184.0	157.0	303.0	350.0	172.5	316.5	333.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3983	301.5	247.5	219.0	72.5	240.5	233.0	34.5	124.0	148.0	349.5	264.5	333.5	137.5	141.0	273.5	285.0
3984	319.0	302.0	287.5	301.0	212.0	350.0	110.0	269.0	308.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3988	305.5	288.5	276.0	274.5	181.5	65.5	249.5	119.5	104.5	127.0	225.0	130.0	137.5	141.0	207.5	73.5
3993	307.5	271.0	250.5	293.0	181.5	161.5	212.0	165.5	151.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3995	323.0	343.5	351.0	357.0	320.0	237.5	217.5	304.0	312.0	127.0	276.0	130.0	137.5	141.0	272.0	232.5
3999	279.0	251.0	224.5	192.5	92.0	123.5	92.0	82.5	88.0	254.0	180.0	267.0	288.0	141.0	190.0	192.0
4101	116.0	105.0	96.0	140.5	170.0	239.5	67.5	159.0	178.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
4208	261.0	230.0	263.5	197.5	256.5	159.0	219.0	179.5	166.5	127.0	162.5	130.0	137.5	141.0	153.5	160.5
4703	252.0	277.0	250.5	299.0	112.0	243.5	144.0	159.0	166.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
5503	276.5	271.0	246.0	307.0	205.0	315.5	184.5	233.0	268.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
5701	206.0	223.0	197.5	225.5	348.0	76.0	313.0	323.5	245.5	127.0	298.0	368.0	346.0	141.0	315.0	344.0

SUMMARY STATISTICS FOR 374 OBSERVATIONS

VARIABLE	SUM	AVERAGE	STAND. DEV.	MINIMUM	MAXIMUM	COEF. OF VARIATION
USTT6570	4364.05	11.6686	8.20734	.0	48.0000	.703371
USTT7070	3336.47	8.92104	6.88004	.0	40.8000	.771216
USTTPK70	2775.37	7.42077	6.28840	.0	48.5000	.847406
GWNTUS	2808.27	7.50873	5.22265	.0	43.6000	.695543
GWNTEEC	3115.57	8.33040	7.60595	.0	78.4000	.913035
GWNTCAN	4113.06	10.9975	6.21519	.0	30.2000	.565146
GWNTJAP	5550.97	14.8422	39.9464	.0	355.000	2.69141
GWNTECJU	4044.06	10.8130	12.6680	.0	120.100	1.17155
GWNTACTY	3855.57	10.3090	10.5328	.0	102.300	1.02171
NTRUS	260.605	.696805	1.73828	.0	20.0000	2.49464
NTBEEC	584.297	1.56229	2.60641	.0	20.0000	1.66833
NTBCAN	236.427	.632158	1.66053	.0	16.6667	2.62678
NTBJAP	311.155	.831965	2.39177	.0	20.0000	2.87485
NTBUK	103.260	.276097	.871701	.0	7.50000	3.15723
NTBECJU4	476.653	1.27447	2.22784	.0	13.7500	1.74805
NTBFWTDA	319.150	.853341	1.69654	.0	11.6667	1.98811

See following page.

Source: Compiled at the U.S. International Trade Commission.

Note.--The numbers in parentheses refer to the column numbers of the data in the previous table.

The short abbreviated names at the beginning of the table and in the summary statistics are assigned names of the variables in the Trade Commission computer databank.

Data with identical values are given the same rank. Tied ranks are adjusted for in the Spearman rank correlation coefficient tabulations.

Table 3.--Nominal tariff rates and non-tariff barrier indices for major trading areas

(Using simple tariff averages)

IO-SIC	SECTOR DESCRIPTION (PUBL SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA)			GATT TARIFF AVERAGES (PERCENT)						NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES)						
		1965	1970	PKR	US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.	US	EEC	CAN-ADA	JAP-AN	UK	EEC CAN JAP UK	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
101	DAIRY FARM PRODUCTS----------(101)----	1.7	1.2	1.6	18.5	16.0	17.5	0.0	10.9	12.0	6.7	11.5	0.0	20.0	7.0	12.5	3.3
102	POULTRY & EGGS----------(102)----	7.8	11.0	5.8	7.8	3.4	6.4	6.0	5.6	5.2	3.5	0.5	3.3	0.0	0.5	3.4	2.4
103	MEAT, ANIMALS, & MISCELLANEOUS LIVESTOCK PRODUCTS----------(103)----	6.1	6.3	5.1	6.4	2.5	2.6	4.4	3.4	3.0	0.7	1.7	0.8	0.7	0.3	1.3	0.8
201	COTTON----------(201)----	4.3	4.7	4.8	7.9	0.0	0.6	1.6	1.7	1.1	1.7	3.3	3.3	3.3	0.0	2.9	2.7
202	FOOD FEED GRAINS & GRASS SEEDS----------(202)----	7.1	5.5	4.6	8.1	3.1	3.4	7.3	4.7	4.2	1.9	0.8	5.1	4.0	1.0	5.9	4.8
203	TOBACCO----------(203)----	35.5	26.3	25.3	63.7	19.6	20.6	55.0	102.9	78.0	0.0	0.7	6.7	6.7	6.7	8.8	6.7
204	FRUITS & TREE NUTS----------(204)----	8.0	5.9	5.7	10.0	10.9	3.8	14.1	8.8	8.5	0.8	5.3	3.8	2.9	1.2	4.6	3.6
205	VEGETABLES, SUGAR & MISC. CROPS----------(205)----	10.8	8.6	7.9	6.1	4.9	2.7	7.2	4.9	4.5	0.9	3.7	1.9	1.9	0.3	2.9	2.1
206	OIL BEARING CROPS----------(206)----	4.8	4.1	2.6	11.5	1.1	4.2	5.4	4.3	3.6	1.7	5.2	5.3	2.3	0.0	4.2	3.6
207	FOREST, GREENHOUSE & NURSERY PRODUCTS----------(207)----	4.4	3.0	2.5	6.0	0.1	6.3	6.0	7.2	7.0	0.5	4.6	1.7	2.2	0.3	3.6	2.8
300	FORESTRY & FISHERY PRODUCTS----------(300)----	2.9	1.4	1.3	9.5	9.2	6.6	8.8	8.5	7.9	0.2	0.9	0.3	0.2	0.1	0.7	0.5
500	IRON & FERROALLOY ORES MINING----------(500)----	3.7	1.3	2.4	1.6	0.0	3.9	0.3	1.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
601	COPPER ORE MINING----------(601)----	1.6	0.0	6.5	2.4	0.0	3.5	2.9	2.2	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
602	NONFERROUS METAL ORES MINING, EXCEPT COPPER----------(602)----	2.8	1.6	1.5	2.7	0.9	3.8	1.9	2.3	2.2	0.0	0.0	0.0	1.8	0.0	0.2	0.2
700	COAL MINING----------(700)----	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.6	0.6	0.0	3.6	0.0	3.3	2.7	3.8	3.3
800	CRUDE PETROLEUM & NATURAL GAS----------(800)----	2.1	2.1	2.1	2.6	0.8	2.9	10.0	3.9	3.3	4.4	2.2	1.1	0.0	0.0	1.5	1.0
900	STONE & CLAY MINING & QUARRYING----------(900)----	4.6	2.0	1.5	5.1	2.9	5.7	4.0	4.4	4.1	0.0	0.3	0.0	0.1	0.0	0.2	0.1
1000	CHEMICAL & FERTILIZER MINERAL MINING----------(1000)----	6.4	4.0	3.2	2.7	3.3	3.4	2.8	2.8	2.7	0.0	0.6	0.0	1.1	0.0	0.5	0.3
1419	CANE SUGAR, EXCLUDING REFINING----------(2061)-+ CANE SUGAR REFINING----------(2062)-+ BEET SUGAR----------(2063)----	4.0	4.3	4.6	6.6	0.0	14.3	59.0	20.2	17.3	6.7	2.4	4.7	7.3	1.0	3.8	4.1
1701	WOVEN CARPETS & RUGS----------(2271)-+ TUFTED CARPETS & RUGS----------(2272)-+ CARPETS & RUGS, N.E.C.----------(2279)----	20.5	15.3	11.8	11.5	13.6	17.2	13.2	15.2	14.8	2.2	2.4	0.0	0.0	0.0	1.5	0.7
1804	MEN'S & BOYS' SUITS, COATS & OVERCOATS----------(2311)-+ MEN'S & BOYS' SHIRTS, COLLARS & NIGHTWEAR----------(2321)-+ MEN'S & BOYS' UNDERWEAR----------(2322)-+ MEN'S & BOYS' NECKWEAR----------(2323)-+ MEN'S & BOYS' SEPARATE TROUSERS----------(2327)-+ MEN'S & BOYS' WORK CLOTHING----------(2328)-+ MEN'S & BOYS' CLOTHING, N.E.C.----------(2329)-+ WOMEN'S & JUNIORS' BLOUSES, WAISTS, & SHIRTS----------(2331)-+ WOMEN'S & JUNIORS' DRESSES----------(2335)-+ WOMEN'S & JUNIORS' SUITS, SKIRTS, & COATS----------(2337)-+ WOMEN'S & JUNIORS' OUTERWEAR, N.E.C.----------(2339)-+ WOMEN'S, CHILDRENS' & INFANTS' UNDERWEAR & NIGHTWEAR----------(2341)-+ CORSETS & ALLIED GARMENTS----------(2342)-+ MILLINERY----------(2351)-+ HATS & CAPS, EXCEPT MILLINERY----------(2352)-+ GIRLS' & INFANTS' DRESSES, BLOUSES, WAISTS & SHIRTS----------(2361)-+ GIRLS' & INFANTS' COATS & SUITS----------(2363)-+ GIRLS' & INFANTS' OUTERWEAR, N.E.C.----------(2369)-+ FUR GOODS----------(2371)-+ DRESS & WORK GLOVES, EXCEPT KNIT & ALL-LEATHER----------(2381)-+ ROBES & DRESSING GOWNS----------(2384)-+ RAINCOATS & OTHER WATERPROOF OUTER GARMENTS----------(2385)-+ LEATHER & SHEEP LINED CLOTHING----------(2386)-+ APPAREL BELTS----------(2387)-+ APPAREL & ACCESSORIES, N.E.C.----------(2389)-+ FURS, DRESSED & DYED (INCLUDED IN SIC 3999 IN 1967)----------(3992)----	26.4	25.7	24.6	17.6	10.6	16.8	15.4	15.0	14.2	3.0	2.9	0.5	0.0	0.4	2.0	1.1
1925	COMPLETE GUIDED MISSILES----------(1925)----	1.4	1.7	8.3	12.3	3.4	14.4	20.0	12.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1929	AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C.----------(1929)----	1.4	1.7	8.3	12.3	3.4	14.4	20.0	12.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1931	TANKS & TANK COMPONENTS----------(1931)----	2.9	6.6	5.0	5.3	3.4	11.2	14.2	8.7	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1951	SMALL ARMS----------(1951)----	24.7	17.1	12.0	15.0	7.0	7.9	20.8	11.5	9.8	1.7	0.0	0.6	0.0	0.0	0.1	0.3
1961	SMALL ARMS AMMUNITION----------(1961)----	14.7	11.5	9.5	10.4	7.0	13.8	18.0	12.3	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1990	GUNS, HOWITZERS, MORTARS & RELATED EQUIPMENT----------(1911)-+ ORDNANCE & ACCESSORIES, N.E.C.----------(1999)----	1.4	1.7	8.3	12.3	3.4	14.4	20.0	12.0	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2011	MEAT PACKING PLANTS----------(2011)----	7.0	5.7	4.4	6.1	6.6	4.9	9.7	6.6	6.2	1.8	4.6	0.4	2.5	1.5	3.9	2.9
2013	SAUSAGES & OTHER PREPARED MEATS----------(2013)----	7.4	6.2	5.3	5.4	13.9	7.7	18.7	12.3	11.7	3.3	5.8	0.0	7.2	2.7	5.6	3.7
2015	POULTRY DRESSING PLANTS----------(2015)----	7.6	9.0	6.1	9.8	9.3	7.4	12.9	9.4	8.9	0.6	7.3	0.6	5.0	2.7	6.4	5.2
2021	CREAMERY BUTTER----------(2021)----	7.5	1.5	12.6	21.4	8.0	8.8	22.5	11.1	10.3	13.3	9.7	6.7	16.7	7.5	12.1	10.5
2022	CHEESE, NATURAL & PROCESSED----------(2022)----	17.7	16.4	14.3	14.3	0.0	10.5	40.0	15.5	12.2	20.0	0.0	16.7	16.7	4.0	10.8	11.7
2023	CONDENSED & EVAPORATED MILK----------(2023)----	7.3	8.2	8.0	10.0	1.1	13.5	22.1	9.9	9.6	8.3	6.9	7.9	10.4	1.3	7.1	6.3
2024	ICE CREAM & FROZEN DESERTS----------(2024)----	18.8	18.8	18.8	7.6	17.5	14.0	27.2	16.6	16.6	3.3	3.7	0.0	3.3	1.0	3.1	2.2
2026	FLUID MILK----------(2026)----	1.4	5.5	5.7	12.8	15.5	14.4	15.0	13.7	13.8	3.3	9.0	0.0	13.3	3.5	6.8	6.2
2031	CANNED & CURED SEA FOODS----------(2031)----	9.5	7.4	6.0	6.5	18.1	7.6	16.3	12.9	12.5	0.0	4.8	1.7	1.7	1.3	4.0	2.7
2032	CANNED SPECIALTIES----------(2032)----	12.8	8.8	6.5	8.3	18.0	13.5	28.7	16.5	16.5	0.0	3.3	0.0	0.0	0.0	2.1	1.0
2033	CANNED FRUITS & VEGETABLES----------(2033)----	15.0	12.5	11.8	12.4	12.9	7.9	16.6	11.2	11.1	0.3	4.8	0.9	1.9	0.3	3.7	2.3
2034	DEHYDRATED FRUITS & VEGETABLES----------(2034)----	13.3	10.8	9.6	10.2	11.6	6.2	17.2	10.5	10.0	0.2	5.3	1.1	3.3	0.7	4.2	2.6
2035	PICKLES, SAUCES, & SALAD DRESSINGS----------(2035)----	10.7	7.6	5.7	6.8	9.1	11.3	25.2	13.9	13.1	0.0	0.0	0.0	3.3	0.0	0.4	0.5
2036	FRESH OR FROZEN PACKAGED FISH----------(2036)----	3.8	2.3	1.6	5.2	16.1	5.3	9.9	10.6	10.0	1.7	5.2	1.7	1.7	1.3	4.2	2.7
2037	FROZEN FRUITS & VEGETABLES----------(2037)----	13.5	10.7	9.9	12.1	13.5	6.3	16.3	10.7	10.8	0.5	0.1	2.5	3.3	1.0	6.2	4.0
2041	FLOUR & OTHER GRAIN MILL PRODUCTS---(2041)----	5.6	5.6	5.4	7.7	2.1	7.2	18.8	7.4	7.0	3.8	7.8	5.7	6.2	0.3	6.5	5.3
2042	PREPARED FEEDS FOR ANIMALS & FOWLS----------(2042)----	3.9	2.9	2.1	2.3	5.0	4.5	2.4	3.9	4.1							

Table 3.--Nominal tariff rates and non-tariff barrier indices for major trading areas --Cont.

(Using simple tariff averages)

ISIC	SECTOR DESCRIPTION (FOOD SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) 1965	1970	PRR	GATT TARIFF AVERAGES (PERCENT) US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.	NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES) US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2043	CEREAL PREPARATIONS----------(2043)----	4.6	2.8	2.3	2.5	0.0	15.0	30.0	13.8	12.0	0.0	6.7	0.0	0.0	0.0	5.4	5.0
2044	RICE MILLING----------(2044)----	7.5	7.8	4.4	8.8	1.9	6.9	17.1	6.6	6.3	3.3	7.6	5.0	10.4	0.3	6.9	5.9
2045	BLENDED & PREPARED FLOUR----------(2045)----	6.2	6.8	6.8	7.5	2.5	8.4	17.8	7.2	7.2	4.4	7.9	6.7	7.2	0.5	6.9	5.9
2046	WET CORN MILLING----------(2046)----	18.0	12.9	10.1	6.7	7.5	8.3	17.1	9.2	9.2	1.3	9.5	0.0	6.8	0.2	9.2	5.7
2051	BREAD, CAKE, & RELATED PRODUCTS----(2051)----	1.2	0.8	0.6	4.0	3.3	9.1	22.5	11.2	10.1	1.7	7.3	0.0	0.0	0.0	4.6	3.1
2052	COOKIES & CRACKERS----------(2052)----	5.9	4.2	2.8	4.8	4.3	9.2	25.0	12.1	10.9	2.2	7.1	0.0	0.0	0.0	4.9	3.1
2071	CONFECTIONERY PRODUCTS----------(2071)----	14.3	11.7	10.0	12.4	10.2	10.0	22.0	12.4	12.0	6.7	5.9	1.1	5.0	0.8	4.8	5.2
2072	CHOCOLATE & COCOA PRODUCTS----------(2072)----	5.1	2.6	1.8	2.3	9.2	6.1	12.2	7.3	7.7	2.1	1.8	1.3	2.1	0.5	1.7	1.4
2073	CHEWING GUM----------(2073)----	10.9	9.2	2.3	6.0	7.0	6.6	9.0	6.6	6.8	4.4	5.6	0.0	2.2	0.0	2.5	1.3
2082	MALT LIQUORS----------(2082)----	12.2	7.6	5.4	5.7	6.0	11.8	12.5	9.5	9.6	0.8	6.2	1.7	3.5	0.5	4.7	3.3
2083	MALT----------(2083)----	2.8	2.8	2.7	5.9	0.0	10.2	15.0	8.8	7.4	0.0	7.5	0.0	13.3	0.0	6.3	4.5
2084	WINES, BRANDY, & BRANDY SPIRITS----(2084)----	39.2	27.4	21.5	25.1	57.3	17.1	43.9	28.5	28.1	3.3	16.1	4.7	0.0	0.4	10.9	7.1
2085	DISTILLED LIQUOR, EXCEPT BRANDY----(2085)----	35.6	28.0	21.9	18.2	51.6	21.6	55.3	32.7	34.4	3.3	20.0	3.3	0.0	0.0	13.8	8.7
2086	BOTTLED & CANNED SOFT DRINKS----(2086)----	2.0	1.2	1.0	4.0	8.5	8.5	16.3	9.9	9.5	0.0	6.7	0.0	3.3	0.0	4.6	2.5
2087	FLAVORING EXTRACTS & SYRUPS, N.E.C.-(2087)----	19.0	16.3	14.9	8.9	15.0	5.7	19.4	11.4	11.1	0.5	4.4	0.5	1.9	0.4	3.2	2.0
2091	COTTONSEED OIL MILLS----------(2091)----	4.8	21.4	3.0	4.5	2.5	5.1	4.3	4.8	4.1	0.0	2.7	2.2	4.4	0.0	2.5	2.5
2092	SOYBEAN OIL MILLS----------(2092)----	48.0	31.9	20.8	10.3	7.4	10.0	12.0	9.7	8.9	0.0	8.0	6.7	6.7	0.0	6.7	5.7
2093	VEGETABLE OIL MILLS, N.E.C.----------(2093)----	5.8	3.6	3.5	9.9	7.7	10.0	10.7	9.5	8.8	0.0	6.5	5.6	2.5	0.5	5.2	4.2
2094	ANIMAL & MARINE FATS & OILS----------(2094)----	6.4	3.6	3.1	6.2	2.9	5.6	4.7	5.1	4.4	0.0	3.1	3.0	0.6	0.5	2.6	2.1
2095	ROASTED COFFEE----------(2095)----	0.6	1.4	0.0	2.1	14.7	7.9	18.8	11.7	11.7	1.7	4.3	1.7	0.0	0.0	2.9	1.9
2096	SHORTENING & COOKING OILS----------(2096)----	28.8	28.8	22.9	11.4	12.5	11.2	16.6	12.0	11.6	3.3	4.7	5.0	0.0	1.0	4.0	3.3
2097	MANUFACTURED ICE----------(2097)----	0.0	0.0	0.0	0.8	2.0	5.8	2.5	3.2	3.4	0.0	6.7	0.0	0.0	0.0	4.2	2.0
2098	MACARONI & SPAGHETTI----------(2098)----	5.3	3.4	2.5	2.6	0.0	13.0	28.6	12.9	12.8	0.0	8.0	0.0	0.0	0.0	5.0	2.7
2099	FOOD PREPARATIONS, N.E.C.----------(2099)----	8.6	6.2	5.1	8.3	12.2	7.6	17.7	11.3	11.0	1.0	5.0	0.9	2.5	0.5	3.9	2.4
2100	NAILED WOODEN BOXES & SHOOK----------(2441)-+																
	WIREBOUND BOXES & CRATES----------(2442)-+																
	VENEER & PLYWOOD CONTAINERS, EXCEPT +																
	EXCEPT BOXES & CRATES----------(2443)-+																
	COOPERAGE----------(2445)----	7.3	4.8	3.8	6.8	7.5	10.2	7.8	8.2	8.3	0.0	1.0	0.0	0.0	0.0	0.6	0.1
2111	CIGARETTES----------(2111)----	40.8	40.8	48.5	31.4	57.4	37.1	191.7	79.8	71.1	0.0	8.0	6.7	6.7	0.0	8.3	6.3
2121	CIGARS----------(2121)----	5.9	8.4	3.9	31.4	57.4	37.1	191.7	79.8	71.1	0.0	8.0	6.7	6.7	0.0	8.8	6.7
2131	CHEWING & SMOKING TOBACCO----------(2131)----	17.2	31.2	15.0	31.4	57.4	37.1	191.7	79.8	71.1	0.0	6.7	6.7	6.7	0.0	7.5	6.0
2141	TOBACCO STEMMING & REDRYING----------(2141)----	40.0	20.7	31.4	63.7	19.6	20.6	355,010	2.9	78.0	0.0	8.7	6.7	6.7	0.0	8.8	6.7
2201	BROAD WOVEN FABRIC MILLS, COTTON----(2211)-+																
	BROAD WOVEN FABRIC MILLS, MAN-MADE +																
	FIBER & SILK----------(2221)-+																
	BROAD WOVEN FABRIC MILLS, WOOL; +																
	INCLUDING DYEING & FINISHING-------(2231)-+																
	FINISHERS OF BROAD WOVEN FABRICS OF +																
	COTTON----------(2261)-+																
	FINISHERS OF BROAD WOVEN FABRICS OF +																
	MAN-MADE FIBER & SILK----------(2262)----	25.9	21.1	18.9	18.1	12.4	14.4	10.6	13.9	13.3	1.8	3.5	1.3	0.0	1.1	2.9	1.8
2241	NARROW FABRIC MILLS----------(2241)----	23.9	17.7	13.2	12.8	8.6	9.7	9.5	10.2	9.5	1.1	1.2	0.1	0.0	0.3	0.9	0.4
2251	WOMEN'S HOSIERY, EXCEPT SOCKS----(2251)----	30.5	28.5	24.5	27.6	13.0	24.6	12.9	18.0	18.0	3.3	4.0	0.0	0.0	1.8	2.9	1.3
2252	HOSIERY, N.E.C.----------(2252)----	30.5	28.8	25.0	21.1	12.0	23.8	14.2	17.1	17.1	4.0	5.5	0.7	0.0	0.8	2.6	1.5
2253	KNIT OUTERWEAR MILLS----------(2253)----	30.6	31.8	31.3	21.3	12.4	23.9	15.4	17.6	17.6	3.8	4.6	1.4	0.0	0.9	3.4	2.1
2254	KNIT UNDERWEAR MILLS----------(2254)----	27.0	27.4	27.4	28.6	17.0	26.5	17.5	20.2	20.5	3.3	8.7	3.3	0.0	2.0	6.7	4.3
2256	KNIT FABRIC MILLS----------(2256)----	26.8	26.4	26.0	17.7	13.3	24.2	15.2	17.8	17.9	3.3	3.3	0.0	0.0	0.0	2.1	1.0
2259	KNITTING MILLS, N.E.C.----------(2259)----	21.5	16.9	15.2	20.5	14.0	23.2	13.2	17.2	17.4	3.8	4.1	1.0	0.0	0.9	3.0	1.7
2280	FINISHERS OF TEXTILES, N.E.C.-------(2269)-+																
	YARN SPINNING MILLS----------(2281)-+																
	YARN THROWING, TWISTING, & WINDING +																
	MILLS----------(2282)-+																
	YARN MILLS, WOOL, INCLUDING CARPET +																
	& RUG YARN----------(2283)----	20.7	16.7	13.9	13.8	8.1	9.5	9.3	9.8	9.1	1.0	1.0	0.1	0.0	0.2	0.7	0.3
2284	THREAD MILLS----------(2284)----	15.6	16.8	15.3	15.3	7.5	6.8	11.0	9.4	8.2	0.9	0.5	0.0	0.0	0.2	0.4	0.1
2291	FELT GOODS, N.E.C.----------(2291)----	27.1	19.8	15.5	15.8	7.4	19.6	7.4	11.7	12.1	3.3	3.0	0.0	0.0	0.0	1.9	0.8
2292	LACE GOODS----------(2292)----	35.3	27.4	22.1	19.1	13.2	17.8	15.6	16.5	15.7	3.3	4.6	0.6	0.0	0.5	3.1	1.7
2293	PADDINGS & UPHOLSTERY FILLING----(2293)----	20.5	16.0	12.6	9.9	2.4	10.8	1.3	4.8	5.5	1.7	1.7	0.0	0.0	0.0	1.0	0.5
2294	PROCESSED TEXTILE WASTE----------(2294)----	10.8	7.8	5.5	9.3	4.0	3.1	3.5	4.6	3.9	2.2	0.6	0.0	0.0	0.1	0.4	0.1
2295	COATED FABRICS, NOT RUBBERIZED----(2295)----	17.2	14.6	10.7	12.8	9.8	19.3	8.0	13.6	13.5	0.0	2.7	0.0	0.0	1.0	2.1	1.0
2296	TIRE CORD & FABRIC----------(2296)----	16.8	16.4	11.6	20.3	12.9	14.3	12.1	14.7	14.0	3.3	7.2	3.3	0.0	2.0	5.7	3.8
2297	SCOURING & COMBING PLANTS----------(2297)----	14.6	15.9	14.0	16.2	3.1	3.2	2.9	3.7	3.2	0.0	0.0	1.0	0.0	0.0	0.1	0.3
2298	CORDAGE & TWINE----------(2298)----	17.7	14.3	12.0	13.3	10.6	8.8	8.6	11.4	10.2	3.3	2.0	0.0	0.0	0.0	1.3	0.5
2299	TEXTILE GOODS, N.E.C.----------(2299)----	15.8	13.6	11.5	12.6	7.6	9.3	7.8	9.3	8.6	1.1	1.5	0.4	0.0	0.4	1.2	0.7
2391	CURTAINS & DRAPERIES----------(2391)----	26.8	21.6	19.0	17.7	10.0	22.5	12.9	18.1	18.7	3.3	7.3	3.3	0.0	2.0	5.8	3.7
2392	HOUSEFURNISHINGS, N.E.C.----------(2392)----	22.2	18.5	15.1	14.6	11.1	16.7	12.3	13.8	13.6	2.2	2.5	0.9	0.0	0.5	1.9	1.1
2393	TEXTILE BAGS----------(2393)----	17.7	12.8	10.2	16.4	13.3	20.6	9.7	14.8	15.3	3.3	4.0	0.0	0.0	1.0	2.9	1.3
2395	PLEATING & STITCHING----------(2395)----	41.1	28.0	19.9	16.7	12.7	18.9	15.4	16.2	15.8	3.3	4.7	0.7	0.0	0.6	3.3	1.7
2396	AUTOMOTIVE & APPAREL TRIMMINGS----(2396)----	18.8	13.7	10.9	15.3	9.0	15.1	10.5	11.7	11.8	2.7	3.5	0.0	0.0	0.4	2.3	1.1
2397	SCHIFFLI MACHINE EMBROIDERIES-------(2397)----	40.0	26.6	18.9	16.1	11.0	17.8	17.6	16.0	15.1	4.0	4.1	0.7	0.0	0.6	2.9	1.5
2399	FABRICATED TEXTILE PRODUCTS, N.E.C.-(2399)----	24.3	17.7	13.8	16.7	11.1	19.7	13.9	15.3	15.0	2.4	2.3	0.3	0.0	0.5	1.7	1.0
2411	LOGGING CAMPS & LOGGING																
	CONTRACTORS----------(2411)----	0.8	0.7	0.5	0.3	1.4	3.6	2.0	2.5	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2421	SAWMILLS & PLANING MILLS, GENERAL---(2421)----	1.4	0.3	0.0	1.4	3.5	0.8	2.7	3.1	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2426	HARDWOOD DIMENSION & FLOORING-------(2426)----	10.6	6.1	4.5	7.9	6.8	9.4	12.5	9.9	9.0	0.9	0.5	0.3	0.0	0.0	0.3	0.2
2429	SPECIAL PRODUCT SAWMILLS, N.E.C.----(2429)----	4.6	2.4	1.7	4.7	4.9	4.2	5.0	5.0	4.6	0.0	0.2	0.0	0.0	0.0	0.1	0.0
2431	MILLWORK----------(2431)----	5.5	2.6	1.9	7.8	6.9	9.1	11.3	9.2	8.6	0.0	0.3	0.0	0.0	0.0	0.2	0.0
2432	VENEER & PLYWOOD----------(2432)----	16.7	12.3	9.5	9.8	8.3	11.4	13.3	10.0	10.0	0.0	0.4	0.0	0.0	0.0	0.3	0.1
2433	PREFABRICATED WOOD STRUCTURES-------(2433)----	13.4	9.5	6.6	7.7	5.8	8.8	8.1	7.7	7.3	0.0	0.3	0.0	0.0	0.0	0.2	0.0
2491	WOOD PRESERVING----------(2491)----	6.4	4.2	3.0	4.3	5.9	6.1	7.9	7.4	6.7	0.0	0.2	0.0	0.0	0.0	0.1	0.0
2499	WOOD PRODUCTS, N.E.C.----------(2499)----	14.5	10.2	7.8	9.1	7.3	8.0	10.4	8.6	8.1	0.0	0.5	0.0	0.4	0.0	0.3	0.1
2500	FOLDING PAPERBOARD BOXES----------(2651)-+																
	SET-UP PAPERBOARD BOXES----------(2652)-+																
	CORRUGATED & SOLID FIBER BOXES-------(2653)-+																
	SANITARY FOOD CONTAINERS----------(2654)-+																
	FIBER CANS, TUBES, DRUMS & SIMILAR +																
	PRODUCTS----------(2655)----	11.3	8.1	5.9	6.4	13.3	10.0	7.4	10.8	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2511	WOOD HOUSEHOLD FURNITURE----------(2511)----	17.1	14.0	9.1	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.3	0.8	0.0	0.0	0.9	0.6
2512	UPHOLSTERED HOUSEHOLD FURNITURE-----(2512)----	26.0	18.0	13.0	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.3	0.8	0.0	0.0	0.9	0.6

Table 3.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using simple tariff averages)

IO-SIC	SECTOR DESCRIPTION (CODE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA)			GATT TARIFF AVERAGES (PERCENT)						NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES)						
		1965	1970	PKR	US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.	US	EEC	CAN-ADA	JAP-AN	UK	EEC CAN JAP UK	FOR-EIGN WTD.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
2515	MATTRESSES & BEDSPRINGS----------(2515)----	18.4	15.7	13.8	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.1	0.0	0.0	0.5
2519	HOUSEHOLD FURNITURE, N.E.C.----------(2519)----	13.1	9.1	6.4	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.0	0.0	0.0	0.5
2521	WOOD OFFICE FURNITURE----------(2521)----	17.1	14.0	9.1	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.0	0.0	0.0	0.5
2522	METAL OFFICE FURNITURE----------(2522)----	14.9	10.3	7.4	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.0	0.0	0.0	0.5
2531	PUBLIC BUILDING FURNITURE----------(2531)----	14.9	10.3	7.4	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.0	0.0	0.0	0.5
2541	WOOD PARTITIONS & FIXTURES----------(2541)----	14.9	10.3	7.4	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.0	0.0	0.0	0.5
2542	METAL PARTITIONS & FIXTURES----------(2542)----	9.6	6.5	4.6	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.0	0.0	0.0	0.5
2591	VENETIAN BLINDS & SHADES----------(2591)----	18.4	12.8	9.2	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.0	0.0	0.0	0.5
2599	FURNITURE & FIXTURES, N.E.C.----------(2599)----	18.4	12.8	9.2	10.0	8.1	14.8	12.1	11.9	11.4	0.8	1.5	0.8	0.0	0.0	0.0	0.5
2605	COMMERCIAL PRINTING, EXCEPT LITHOGRAPHIC----------(2751)-+	15.0	11.3	7.7	9.5	8.5	13.0	12.0	11.6	11.0	0.7	1.5	0.7	0.7	0.0	1.1	0.7
	COMMERCIAL PRINTING, LITHOGRAPHIC---(2752)----	8.1	5.7	3.9	6.7	6.2	10.8	4.5	6.7	7.2	0.7	0.0	0.5	0.0	0.0	0.0	0.1
2611	PULP MILLS----------(2611)----	0.0	0.0	0.0	0.0	1.3	0.0	4.2	1.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2621	PAPER MILLS, EXCEPT BUILDING PAPER----------(2621)----	9.3	6.9	5.0	5.6	10.1	4.4	9.1	10.6	9.8	0.0	0.4	0.0	0.0	0.0	0.2	0.1
2631	PAPERBOARD MILLS----------(2631)----	7.1	5.9	2.4	5.5	10.5	12.0	9.4	11.3	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2641	PAPER COATING & GLAZING----------(2641)----	9.6	7.4	5.2	7.8	12.6	11.8	8.2	12.0	11.5	0.7	0.5	0.0	0.0	0.0	0.4	0.1
2642	ENVELOPES----------(2642)----	16.0	10.6	8.5	7.2	15.0	15.8	7.5	13.3	13.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2643	BAGS, EXCEPT TEXTILE BAGS----------(2643)----	14.5	9.9	7.1	13.1	10.0	15.8	15.0	13.7	13.2	0.0	2.7	0.0	0.0	0.0	1.7	0.7
2644	WALLPAPER----------(2644)----	10.0	6.8	4.9	5.2	13.0	15.0	6.3	11.1	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2645	DIE CUT PAPER & BOARD----------(2645)----	13.2	9.1	6.8	7.6	12.1	13.8	6.9	12.2	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2646	PRESSED & MOLDED PULP GOODS----------(2646)----	8.7	6.3	4.4	6.4	11.6	6.3	4.6	9.1	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2647	SANITARY PAPER PRODUCTS----------(2647)----	12.2	8.0	5.8	5.4	7.3	5.8	12.6	9.4	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2649	CONVERTED PAPER PRODUCTS, N.E.C.----(2649)----	14.0	11.3	9.7	8.1	11.6	12.1	7.6	11.3	11.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0
2661	BUILDING PAPER & BOARD MILLS----------(2661)----	11.3	12.7	22.4	8.2	11.0	15.0	15.0	14.8	13.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2711	NEWSPAPERS----------(2711)----	12.9	9.9	7.2	7.9	7.1	7.1	8.5	7.5	7.1	0.1	0.4	0.2	0.4	0.0	0.3	0.2
2721	PERIODICALS----------(2721)----	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.3	0.4	3.3	0.7	3.3	0.0	0.0	0.8	1.0
2731	BOOK PUBLISHING----------(2731)----	1.8	0.0	0.0	0.0	0.0	1.3	0.0	0.3	0.4	3.3	0.7	3.3	0.0	0.0	0.8	1.0
2732	BOOK PRINTING----------(2732)----	2.4	0.8	0.6	1.6	5.0	11.6	1.0	4.6	5.9	2.5	0.7	1.7	0.0	0.0	0.6	0.7
2741	MISCELLANEOUS PUBLISHING----------(2741)----	1.8	0.0	0.0	1.3	4.0	10.1	0.8	3.9	5.0	2.7	0.5	1.3	0.0	0.0	0.5	0.5
2753	ENGRAVING & PLATE PRINTING----------(2753)----	3.7	1.9	1.3	1.4	3.3	9.6	0.5	3.5	4.6	1.4	0.4	1.0	0.0	0.0	0.4	0.4
2761	MANIFOLD BUSINESS FORMS----------(2761)----	6.9	4.4	4.4	2.7	3.6	15.0	1.9	5.6	6.9	1.7	0.0	1.7	0.0	0.0	0.0	0.0
2771	GREETING CARD PUBLISHING----------(2771)----	13.2	9.1	6.8	7.6	12.1	13.8	6.9	12.2	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2782	BLANKBOOKS & LOOSELEAF BINDERS------(2782)----	12.6	8.3	6.1	4.6	11.0	20.0	7.5	10.9	12.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2789	BOOKBINDING & RELATED WORK----------(2789)----	13.2	9.2	6.6	6.9	15.0	13.8	8.6	10.5	12.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2793	PHOTOENGRAVING----------(2793)----	2.8	0.9	0.7	1.3	4.0	9.6	0.8	3.8	4.8	2.7	0.7	2.0	0.0	0.0	0.7	0.7
2794	ELECTROTYPING & STEREOTYPING--------(2794)----	9.8	6.7	4.8	6.4	5.1	7.7	5.8	5.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2821	PLASTICS MATERIALS & RESINS----------(2821)----	9.8	6.7	4.8	6.4	5.1	7.7	5.8	5.6	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2822	SYNTHETIC RUBBER----------(2822)----	18.3	12.8	10.7	9.1	7.4	10.1	9.3	8.4	8.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0
2823	CELLULOSIC MAN-MADE FIBERS----------(2823)----	8.4	6.0	4.2	8.0	5.3	8.0	6.5	6.2	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2824	ORGANIC FIBERS, NONCELLULOSIC--------(2824)----	26.3	21.2	16.0	18.3	9.1	6.9	11.1	9.8	8.7	0.3	0.1	0.0	0.0	0.1	0.1	0.1
2841	SOAP & OTHER DETERGENTS----------(2841)----	20.7	14.4	11.3	15.8	8.5	7.4	10.3	9.2	8.4	0.3	0.1	0.0	0.0	0.1	0.1	0.1
2842	POLISHES & SANITATION GOODS----------(2842)----	9.3	8.0	4.9	12.1	11.1	7.5	11.9	10.1	9.5	0.2	0.5	0.1	0.2	0.0	0.4	0.2
2843	SURFACE ACTIVE AGENTS----------(2843)----	6.1	4.3	3.1	8.1	5.7	9.9	9.3	7.7	7.6	0.0	0.4	0.0	0.0	0.0	0.3	0.1
2844	TOILET PREPARATIONS----------(2844)----	15.7	10.8	8.0	12.2	11.2	7.5	11.8	10.1	9.5	0.2	0.5	0.1	0.2	0.0	0.4	0.2
2851	PAINTS & ALLIED PRODUCTS----------(2851)----	15.5	11.3	8.6	14.4	9.2	18.8	15.8	13.0	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2861	GUM & WOOD CHEMICALS----------(2861)----	7.8	5.3	3.7	6.4	4.9	10.7	8.1	7.0	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2871	FERTILIZERS----------(2871)----	4.0	3.5	3.5	5.2	3.7	4.6	6.1	4.9	4.4	0.5	0.2	0.0	0.3	0.0	0.1	0.1
2872	FERTILIZERS, MIXING ONLY----------(2872)----	0.0	0.0	0.0	0.6	1.7	0.6	1.2	2.1	1.5	0.0	0.9	0.0	0.0	0.0	0.6	0.2
2879	AGRICULTURAL CHEMICALS, N.E.C.-------(2879)----	0.0	0.0	0.0	0.7	2.1	0.0	0.0	2.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2891	ADHESIVES & GELATIN----------(2891)----	6.8	5.0	3.3	9.3	8.5	7.7	9.9	8.6	8.1	0.1	0.5	0.0	0.2	0.0	0.3	0.2
2892	EXPLOSIVES----------(2892)----	14.1	9.8	6.5	7.0	5.5	6.9	9.7	7.4	6.8	0.0	0.8	0.5	0.2	0.3	0.7	0.5
2893	PRINTING INK----------(2893)----	8.1	3.2	8.2	5.8	6.1	8.0	8.0	7.2	6.8	0.0	0.1	0.0	0.0	0.0	0.0	0.0
2895	CARBON BLACK----------(2895)----	2.7	1.9	1.4	4.3	7.5	7.5	10.0	8.4	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2899	CHEMICAL PREPARATIONS, N.E.C.--------(2899)----	6.8	1.9	0.0	2.9	1.4	0.0	6.3	3.0	2.0	0.0	0.7	0.0	0.0	0.0	0.4	0.2
2901	BIOLOGICAL PRODUCTS----------(2831)-+	8.1	5.9	4.4	10.8	9.4	8.7	10.6	9.5	9.0	0.2	0.6	0.2	0.2	0.0	0.4	0.3
	MEDICINAL CHEMICALS & BOTANICAL PRODUCTS----------(2833)-+																
	PHARMACEUTICAL PREPARATIONS---------(2834)----	13.5	9.1	6.8	11.3	10.3	7.8	11.0	9.7	9.1	0.2	0.7	0.1	0.5	0.0	0.5	0.3
2951	PAVING MIXTURES & BLOCKS----------(2951)----	0.0	0.0	0.0	2.1	1.4	6.5	4.2	3.9	3.8	1.9	0.4	0.0	1.0	0.0	0.4	0.2
2952	ASPHALT FELTS & COATINGS----------(2952)----	4.7	1.9	0.0	5.4	13.2	10.3	7.1	11.4	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3011	TIRES & INNER TUBES----------(3011)----	8.4	5.7	4.2	5.4	8.5	7.5	13.2	10.3	9.4	0.0	1.3	0.0	0.0	0.0	0.8	0.0
3021	RUBBER FOOTWEAR----------(3021)----	16.9	17.2	16.4	14.9	17.0	23.8	17.6	18.0	19.0	0.0	2.0	0.0	1.7	0.5	1.7	1.0
3031	RECLAIMED RUBBER----------(3031)----	0.0	0.0	0.0	2.5	1.5	3.8	4.4	4.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3069	FABRICATED RUBBER PRODUCTS, N.E.C.--(3069)----	13.2	8.6	6.3	9.1	7.8	10.3	9.8	9.1	9.0	0.3	0.1	0.0	0.0	0.0	0.1	0.0
3079	MISCELLANEOUS PLASTICS PRODUCTS-----(3079)----	15.6	11.3	7.9	9.4	7.8	10.7	9.3	9.1	9.0	0.8	0.6	0.2	0.0	0.1	0.5	0.2
3101	PETROLEUM REFINING----------(2911)-+																
	LUBRICATING OILS & GREASES----------(2992)-+																
	PRODUCTS OF PETROLEUM & COAL, N.E.C.----------(2999)----	4.2	3.9	4.1	9.7	8.4	7.5	10.7	8.6	8.1	1.3	0.8	0.1	0.8	0.0	0.6	0.4
3111	LEATHER TANNING & FINISHING----------(3111)----	9.3	6.7	5.0	5.3	4.2	10.7	16.6	10.4	9.2	0.0	0.5	0.0	3.3	0.0	0.7	0.6
3121	INDUSTRIAL LEATHER BELTING----------(3121)----	9.6	6.5	4.6	6.2	7.0	19.2	15.0	12.5	12.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3131	FOOTWEAR CUT STOCK----------(3131)----	8.8	5.5	3.9	5.2	7.4	18.6	13.1	11.9	12.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3141	SHOES, EXCEPT RUBBER----------(3141)----	14.2	11.7	9.4	8.8	9.9	11.1	13.5	11.8	11.3	0.0	0.7	0.0	0.8	0.0	0.5	0.3
3142	HOUSE SLIPPERS----------(3142)----	11.3	11.2	8.7	8.8	9.9	11.1	13.5	11.8	11.3	0.0	0.7	0.0	0.8	0.0	0.5	0.3
3151	LEATHER GLOVES & MITTENS----------(3151)----	22.6	28.1	33.6	23.4	10.0	20.0	13.8	16.6	15.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3161	LUGGAGE----------(3161)----	30.6	18.1	13.8	12.8	11.3	18.9	13.3	13.8	14.3	0.0	1.3	0.0	0.0	0.0	0.8	0.3
3171	WOMEN'S HANDBAGS & PURSES----------(3171)----	23.4	17.3	14.2	11.4	9.4	14.7	12.6	12.5	12.1	0.0	1.3	0.0	0.0	0.0	0.8	0.2
3172	PERSONAL LEATHER GOODS----------(3172)----	19.4	14.7	11.6	9.2	8.0	15.2	14.3	12.3	11.9	0.0	0.5	0.0	0.0	0.0	0.3	0.1
3199	LEATHER GOODS, N.E.C.----------(3199)----	10.1	6.4	5.0	7.8	8.6	18.7	13.6	12.8	13.0	0.0	0.3	0.0	0.0	0.0	0.2	0.1
3221	GLASS CONTAINERS----------(3221)----	11.4	7.9	5.6	7.2	9.5	10.4	7.5	10.0	9.8	0.0	2.7	0.0	0.0	0.0	0.0	0.0

Table 3.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using simple tariff averages)

IO-SIC	SECTOR DESCRIPTION (OPUBSIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA)			GATT TARIFF AVERAGES (PERCENT)						NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES)						
		1965	1970	PKR	US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.	US	EEC	CAN-ADA	JAP-AN	UK	EEC CAM JAP UK	FOR-EIGN WTD.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3241	CEMENT, HYDRAULIC----------(3241)----	2.9	1.3	0.4	0.4	4.0	1.1	5.0	3.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3251	BRICK & STRUCTURAL CLAY TILE----------(3251)----	18.4	7.3	5.3	6.0	4.9	18.9	5.0	8.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3253	CERAMIC WALL & FLOOR TILE----------(3253)----	20.7	21.1	21.2	16.1	6.8	19.1	5.0	10.3	11.1	0.8	2.5	0.0	0.0	0.0	1.5	0.7
3255	CLAY REFRACTORIES----------(3255)----	11.7	7.8	5.7	6.1	6.8	4.9	8.1	6.7	6.1	0.0	0.3	0.0	0.0	0.0	0.2	0.1
3259	STRUCTURAL CLAY PRODUCTS, N.E.C.----(3259)----	12.9	8.8	6.6	8.3	5.1	18.1	5.0	9.3	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3261	VITREOUS PLUMBING FIXTURES----------(3261)----	25.8	17.6	13.2	18.6	13.3	15.0	7.5	11.7	12.5	0.0	2.7	0.0	0.0	1.5	2.3	1.3
3262	VITREOUS CHINA FOOD UTENSILS---------(3262)----	41.4	33.8	28.4	28.7	24.8	15.0	7.5	13.8	16.1	0.0	0.7	0.0	0.0	3.0	5.4	3.0
3263	FINE EARTHENWARE FOOD UTENSILS------(3263)----	27.0	19.6	16.2	22.3	11.7	20.0	7.5	12.5	13.6	0.0	5.3	0.0	0.0	4.0	4.6	2.5
3264	PORCELAIN ELECTRICAL SUPPLIES-------(3264)----	20.1	12.9	9.9	9.6	7.8	12.5	8.7	10.0	9.7	0.0	0.3	1.0	0.0	0.0	0.3	0.4
3269	POTTERY PRODUCTS, N.E.C.----------(3269)----	20.6	14.8	11.2	20.4	15.4	14.1	7.5	11.8	12.7	0.0	2.4	0.0	0.0	1.8	2.3	1.5
3271	CONCRETE BLOCK & BRICK----------(3271)----	19.5	13.1	9.7	12.2	4.0	12.5	7.5	7.3	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3272	CONCRETE PRODUCTS, N.E.C.----------(3272)----	18.8	14.0	11.2	12.2	4.0	12.5	7.5	7.3	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3273	READY-MIXED CONCRETE----------(3273)----	9.3	5.5	3.4	0.4	4.0	1.1	5.0	3.8	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3274	LIME----------(3274)----	5.7	3.3	1.8	4.3	1.7	8.6	0.0	3.4	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3275	GYPSUM PRODUCTS----------(3275)----	10.7	63.6	2.6	2.1	3.3	12.0	6.1	7.0	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3281	CUT STONE & STONE PRODUCTS----------(3281)----	17.0	11.6	8.4	7.1	4.7	5.7	8.2	6.8	5.9	0.0	0.1	0.0	0.0	0.0	0.1	0.0
3291	ABRASIVE PRODUCTS----------(3291)----	6.5	4.6	3.1	5.3	5.5	7.7	7.5	7.0	6.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3292	ASBESTOS PRODUCTS----------(3292)----	5.4	3.6	2.7	7.5	7.6	10.5	10.2	9.2	9.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3293	GASKETS & INSULATIONS----------(3293)----	6.0	4.0	2.9	7.8	8.0	10.0	10.5	9.3	9.0	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3295	MINERALS, GROUND OR TREATED----------(3295)----	11.2	3.4	4.9	4.9	0.8	8.5	0.0	2.9	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3296	MINERAL WOOL----------(3296)----	15.1	7.5	5.5	11.9	9.4	17.3	10.4	11.3	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3297	NONCLAY REFRACTORIES----------(3297)----	13.2	8.3	6.6	6.1	6.8	4.9	8.1	6.7	6.1	0.0	0.3	0.0	0.0	0.0	0.2	0.1
3299	NONMETALLIC MINERAL PRODUCTS, N.E.C.----------(3299)----	12.6	9.1	6.8	5.8	5.5	8.1	7.3	6.8	6.5	0.0	0.1	0.0	0.0	0.0	0.0	0.0
3312	BLAST FURNACES & STEEL MILLS----------(3312)----	7.2	6.2	5.8	8.0	7.4	6.3	9.3	7.8	7.1	0.2	0.5	0.0	0.3	0.0	0.4	0.1
3313	ELECTROMETALLURGICAL PRODUCTS--------(3313)----	11.0	6.8	4.3	5.6	5.9	7.5	7.7	6.9	6.5	0.0	0.1	0.0	0.0	0.0	0.1	0.0
3315	STEEL WIRE & RELATED PRODUCTS--------(3315)----	7.7	4.3	3.8	5.8	6.6	13.7	7.8	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3316	COLD FINISHING OF STEEL SHAPES-------(3316)----	9.5	9.1	8.6	8.2	6.6	8.9	10.2	7.6	6.7	0.0	0.8	0.0	0.0	0.0	0.5	0.0
3317	STEEL PIPE & TUBES----------(3317)----	7.8	7.6	7.6	8.6	9.7	3.1	9.0	9.7	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3331	PRIMARY COPPER----------(3331)----	3.7	2.5	2.7	4.9	0.1	2.1	5.3	2.9	2.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
3332	PRIMARY LEAD----------(3332)----	1.2	2.7	3.6	6.3	3.9	8.0	5.6	5.3	5.4	0.0	0.2	0.0	1.1	0.0	0.3	0.1
3333	PRIMARY ZINC----------(3333)----	8.7	7.8	8.8	8.9	5.1	5.3	6.4	5.5	5.1	0.0	0.7	0.0	0.0	0.0	0.5	0.2
3334	PRIMARY ALUMINUM----------(3334)----	5.5	3.4	3.6	4.5	3.6	1.4	6.8	3.6	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3339	PRIMARY NONFERROUS METALS, N.E.C.---(3339)----	8.8	5.6	5.8	6.4	4.2	5.6	7.5	5.6	5.2	0.0	0.2	0.0	0.1	0.0	0.1	0.0
3341	SECONDARY NONFERROUS METALS----------(3341)----	9.6	5.9	6.2	6.8	4.5	5.4	7.6	5.7	5.2	0.0	0.2	0.0	0.1	0.0	0.1	0.0
3351	COPPER ROLLING & DRAWING----------(3351)----	10.7	7.9	6.0	8.3	8.0	6.4	17.1	10.6	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3352	ALUMINUM ROLLING & DRAWING----------(3352)----	12.0	8.1	7.7	7.8	11.2	7.0	15.4	10.5	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3356	NONFERROUS ROLLING & DRAWING, N.E.C.----------(3356)----	13.8	9.6	7.3	9.4	6.2	5.1	10.2	7.2	6.3	0.0	0.2	0.0	0.5	0.0	0.2	0.1
3357	NONFERROUS WIRE, DRAWING & INSULATING----------(3357)----	14.1	6.6	6.3	7.2	10.2	11.6	16.4	11.6	11.2	0.0	0.5	0.0	0.0	0.0	0.2	0.0
3361	ALUMINUM CASTINGS----------(3361)----	13.8	10.0	7.5	9.6	7.0	8.4	8.9	7.9	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3362	BRASS, BRONZE, & COPPER CASTINGS----(3362)----	12.1	8.9	6.6	11.1	7.0	13.2	15.8	11.5	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3369	NONFERROUS CASTINGS, N.E.C.----------(3369)----	11.9	9.0	6.5	7.2	7.3	14.0	13.0	11.1	10.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3391	IRON & STEEL FORGINGS----------(3391)----	4.9	3.2	3.6	6.5	7.1	9.8	8.5	9.5	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3392	NONFERROUS FORGINGS----------(3392)----	9.0	6.8	6.4	4.9	3.0	2.4	6.3	4.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3399	PRIMARY METAL PRODUCTS, N.E.C.----(3399)----	8.5	7.8	6.1	7.2	6.0	6.3	9.2	7.5	6.6	0.0	0.2	0.0	0.0	0.0	0.0	0.0
3411	METAL CANS----------(3411)----	14.5	9.3	6.9	6.1	8.2	14.8	8.8	10.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3421	CUTLERY----------(3421)----	31.9	22.9	17.6	17.0	9.3	14.7	10.2	12.3	11.6	0.0	0.6	0.0	0.0	0.0	0.4	0.2
3423	HAND & EDGE TOOLS, N.E.C.----------(3423)----	13.0	9.2	6.8	8.7	7.3	12.1	9.1	10.0	9.5	0.0	0.3	0.0	0.0	0.0	0.2	0.1
3425	HAND SAWS & SAW BLADES----------(3425)----	11.5	7.8	5.8	6.4	8.4	10.8	9.1	9.6	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3429	HARDWARE, N.E.C.----------(3429)----	20.7	13.2	9.8	13.8	8.6	9.7	15.2	11.0	10.2	0.0	1.0	0.0	2.2	0.0	0.9	0.5
3431	METAL SANITARY WARE----------(3431)----	25.6	17.6	13.0	13.7	6.7	10.6	19.5	11.9	10.6	0.0	0.4	0.0	4.4	0.0	1.1	0.9
3432	PLUMBING FITTINGS & BRASS GOODS-----(3432)----	15.2	10.6	7.5	9.9	7.5	17.5	10.0	11.9	11.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC--(3433)----	12.2	8.4	6.1	6.7	6.5	9.9	8.3	8.6	8.2	0.8	0.0	0.0	0.0	0.0	0.0	0.0
3441	FABRICATED STRUCTURAL STEEL----------(3441)----	10.7	7.5	6.7	8.2	7.1	7.6	9.2	8.4	7.7	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3442	METAL DOORS, SASH, & TRIM----------(3442)----	10.7	6.0	7.1	7.9	6.8	6.4	10.7	8.4	7.6	0.0	0.4	0.0	0.0	0.0	0.3	0.0
3443	FABRICATED PLATE WORK (BOILER SHOPS)----------(3443)----	10.9	8.0	6.5	5.8	4.6	6.6	8.5	6.6	6.1	1.5	0.2	0.0	0.0	0.0	0.1	0.0
3444	SHEET METALWORK----------(3444)----	11.7	7.2	5.8	8.1	6.7	5.9	8.2	7.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3446	ARCHITECTURAL METALWORK----------(3446)----	11.7	7.2	5.8	8.1	6.7	5.9	8.2	7.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3449	MISCELLANEOUS METALWORK----------(3449)----	11.7	7.2	5.8	8.1	6.7	5.9	8.2	7.9	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3461	METAL STAMPINGS----------(3461)----	7.3	4.7	3.5	4.8	12.3	6.1	12.1	10.6	9.8	0.0	1.5	0.0	0.0	0.0	0.8	0.3
3471	PLATING & POLISHING----------(3471)----	8.5	8.7	7.8	8.0	7.0	8.5	10.4	8.1	7.1	0.0	0.6	0.0	0.8	0.0	0.5	0.2
3479	METAL COATING & ALLIED SERVICES-----(3479)----	8.5	8.7	7.8	8.0	7.0	8.5	10.4	8.1	7.1	0.0	0.6	0.0	0.8	0.0	0.5	0.2
3481	MISCELLANEOUS FABRICATED WIRE PRODUCTS----------(3481)----	14.9	9.3	6.8	7.4	8.1	12.8	10.8	11.2	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3491	METAL BARRELS, DRUMS, & PAILS-------(3491)----	13.5	9.3	6.9	6.1	8.2	14.8	8.8	10.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3492	SAFES & VAULTS----------(3492)----	17.5	12.3	9.0	9.5	8.5	17.5	10.0	10.9	11.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3493	STEEL SPRINGS----------(3493)----	10.0	4.0	2.9	6.8	7.8	14.0	10.6	11.0	10.6	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3496	COLLAPSIBLE TUBES----------(3496)----	11.1	7.5	5.7	6.1	8.2	14.8	8.8	10.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3497	METAL FOIL & LEAF----------(3497)----	55.3	9.1	5.6	9.0	6.4	5.7	10.5	7.8	6.9	0.0	0.4	0.0	0.6	0.0	0.3	0.2
3499	FABRICATED METAL PRODUCTS, N.E.C.---(3499)----	12.0	9.1	6.7	8.0	7.0	11.1	10.6	9.7	9.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3501	FLAT GLASS----------(3211)-+ PRESSED & BLOWN GLASS & GLASSWARE, N.E.C.----------(3229)-+ GLASS PRODUCTS, MADE OF PURCHASED GLASS----------(3231)----	21.2	14.3	10.9	15.4	8.5	9.3	9.4	9.7	9.1	0.0	0.6	0.2	0.1	0.1	0.4	0.2
3511	STEAM ENGINES & TURBINES----------(3511)----	14.9	18.0	6.8	7.1	5.8	8.3	10.8	8.6	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3519	INTERNAL COMBUSTION ENGINES, N.E.C.----------(3519)----	7.1	4.0	2.9	4.7	7.1	5.1	14.7	9.6	8.0	0.0	0.7	0.0	0.0	0.0	0.4	0.0
3522	FARM MACHINERY----------(3522)----	2.1	1.4	0.9	3.0	9.0	5.3	10.7	8.7	7.8	0.0	0.9	0.0	0.0	0.0	0.6	0.2
3531	CONSTRUCTION MACHINERY----------(3531)----	10.8	7.4	5.4	5.2	7.1	8.5	8.3	8.2	7.8	0.0	0.4	0.0	0.0	0.0	0.2	0.1
3532	MINING MACHINERY----------(3532)----	12.0	8.6	6.2	5.6	6.0	7.6	7.7	7.4	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3533	OIL FIELD MACHINERY----------(3533)----	18.6	11.1	7.9	6.7	6.4	7.3	7.8	7.6	7.1	0.0	0.0	0.0	0.7	0.0	0.0	0.0
3534	ELEVATORS & MOVING STAIRWAYS--------(3534)----	10.0	6.8	4.8	2.5	6.3	4.8	7.5	7.1	6.2	0.0	0.0	0.0	0.0	0.0	0.1	0.2
3535	CONVEYERS & CONVEYING EQUIPMENT-----(3535)----	10.1	6.8	4.8	2.5	6.3	4.8	7.5	7.1	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3536	HOISTS, CRANES, & MONORAILS----------(3536)----	5.1	4.5	3.2	2.5	6.3	4.8	7.5	7.1	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3537	INDUSTRIAL TRUCKS & TRACTORS--------(3537)----	7.6	6.6	4.5	4.5	7.7	10.4	10.0	9.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3541	MACHINE TOOLS, METAL CUTTING TYPES--(3541)----	13.6	9.2	6.6	6.6	4.8	12.8	9.8	9.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using simple tariff averages)

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA)			GATT TARIFF AVERAGES (PERCENT)						NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES)						
		1965	1970	PKR	US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN RTD.	US	EEC	CAN-ADA	JAP-AN	UK	EEC CAN JAP UK	FOR-EIGN RTD.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3542	MACHINE TOOLS, METAL FORMING TYPES--(3542)----	13.4	9.6	7.1	6.6	4.8	12.8	9.8	9.5	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3548	METALWORKING MACHINERY, N.E.C.-------(3548)----	12.4	8.4	6.1	6.6	6.2	12.3	8.4	8.8	8.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3551	FOOD PRODUCTS MACHINERY-------------(3551)----	10.2	7.0	5.0	4.4	6.0	11.5	7.5	8.4	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3552	TEXTILE MACHINERY--------------------(3552)----	14.8	9.9	7.0	6.9	5.5	5.5	7.7	6.9	6.1	0.0	0.1	0.4	0.0	0.0	0.1	0.1
3553	WOODWORKING MACHINERY----------------(3553)----	8.9	6.1	5.0	5.9	6.3	13.2	7.5	9.3	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3554	PAPER INDUSTRIES MACHINERY-----------(3554)----	10.7	7.2	5.4	5.9	5.1	7.1	7.5	6.8	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3555	PRINTING TRADES MACHINERY------------(3555)----	10.2	8.9	4.9	7.9	5.8	7.9	10.7	8.0	7.4	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3559	SPECIAL INDUSTRY MACHINERY, N.E.C.---(3559)----	6.8	4.5	3.4	5.2	5.9	8.0	7.6	7.5	7.1	0.0	0.0	0.7	0.0	0.0	0.1	0.2
3561	PUMPS & COMPRESSORS------------------(3561)----	8.2	4.6	3.3	4.6	6.3	9.1	10.1	8.4	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3562	BALL & ROLLER BEARINGS---------------(3562)----	12.6	9.0	6.6	7.6	9.0	4.0	12.5	8.6	7.6	0.0	1.3	0.0	0.0	0.0	0.0	0.0
3564	BLOWERS & FANS-----------------------(3564)----	6.7	4.6	3.4	5.4	6.3	7.3	13.3	9.2	8.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3565	INDUSTRIAL PATTERNS------------------(3565)----	10.2	6.5	5.8	8.4	5.4	3.9	11.6	7.5	6.2	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3566	POWER TRANSMISSION EQUIPMENT---------(3566)----	18.8	12.1	9.0	7.3	6.8	6.1	7.5	7.7	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3567	INDUSTRIAL FURNACES & OVENS----------(3567)----	12.9	8.5	6.3	7.0	5.6	9.7	8.9	8.1	7.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3569	GENERAL INDUSTRIAL MACHINERY, N.E.C.-------------------------------(3569)----	9.6	5.7	4.2	5.6	5.5	8.2	7.7	7.6	7.0	0.0	0.2	0.2	0.0	0.0	0.1	0.1
3571	ELECTRONIC COMPUTING EQUIPMENT-------(3573)-+																
	CALCULATING & ACCOUNTING MACHINES, +																
	EXCEPT ELECTRONIC COMPUTING +																
	EQUIPMENT----------------------------(3574)----	11.3	7.5	5.3	6.2	6.7	10.1	11.4	9.2	8.7	0.0	0.1	0.0	1.3	0.0	0.2	0.1
3572	TYPEWRITERS--------------------------(3572)----	5.9	4.1	2.9	6.3	6.3	9.4	9.9	8.3	8.0	0.0	0.0	0.0	1.7	0.0	0.2	0.2
3576	SCALES & BALANCES--------------------(3576)----	9.0	6.3	4.5	6.6	6.0	8.5	7.5	8.8	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3579	OFFICE MACHINES, N.E.C.--------------(3579)----	11.3	7.7	5.6	9.3	6.9	12.5	7.9	8.7	8.8	0.0	0.0	0.0	3.3	0.0	0.4	0.3
3581	AUTOMATIC MERCHANDISING MACHINES----(3581)----	11.1	7.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3582	COMMERCIAL LAUNDRY EQUIPMENT---------(3582)----	11.9	9.0	6.4	8.7	6.0	10.8	7.5	7.9	8.0	0.0	0.7	0.0	0.0	0.0	0.4	0.0
3585	REFRIGERATION MACHINERY--------------(3585)----	8.3	4.6	3.3	5.2	6.1	12.4	12.4	9.7	9.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3586	MEASURING & DISPENSING PUMPS---------(3586)----	9.5	6.8	4.8	4.8	6.6	7.5	9.6	7.8	7.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3589	SERVICE INDUSTRY MACHINES, N.E.C.---(3589)----	10.9	7.9	5.6	6.3	6.8	9.2	7.6	8.1	7.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3599	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL-------------------------(3599)----	4.7	2.9	2.7	5.4	7.4	5.1	10.0	8.2	7.1	0.0	0.0	0.8	0.0	0.0	0.1	0.3
3611	ELECTRIC MEASURING INSTRUMENTS-------(3611)----	26.2	16.7	11.8	9.3	7.3	14.2	9.2	10.9	10.4	0.0	0.4	1.1	0.0	0.0	0.4	0.3
3612	TRANSFORMERS-------------------------(3612)----	10.7	7.3	5.8	10.8	8.0	7.2	9.9	9.4	8.3	0.0	0.1	0.0	0.6	0.0	0.1	0.1
3613	SWITCHGEAR & SWITCHBOARD APPARATUS--(3613)----	15.5	11.5	8.2	6.5	6.7	8.8	7.5	8.8	8.1	0.0	1.0	0.0	1.7	0.0	0.8	0.5
3621	MOTORS & GENERATORS------------------(3621)----	14.8	11.1	8.5	11.1	6.3	7.8	10.2	8.2	7.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3622	INDUSTRIAL CONTROLS------------------(3622)----	10.5	9.2	6.8	9.0	6.8	15.8	9.1	10.9	10.7	0.0	1.3	0.0	0.0	0.0	0.8	0.3
3623	WELDING APPARATUS--------------------(3623)----	8.7	5.9	4.3	3.6	7.5	9.6	9.4	8.7	8.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3624	CARBON & GRAPHITE PRODUCTS-----------(3624)----	8.4	5.6	4.2	6.9	7.3	10.3	7.5	9.0	8.3	0.0	0.3	0.0	0.0	0.0	0.2	0.0
3629	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.----------------------------(3629)----	9.6	9.1	7.4	10.1	6.7	14.3	9.3	10.4	10.1	0.0	0.2	0.0	0.0	0.0	0.1	0.1
3631	HOUSEHOLD COOKING EQUIPMENT----------(3631)----	12.1	8.2	6.0	7.6	8.7	13.9	10.0	10.4	10.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3632	HOUSEHOLD REFRIGERATORS & FREEZERS---------------------------------(3632)----	9.8	6.8	4.8	5.0	5.0	13.8	10.7	9.2	9.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3633	HOUSEHOLD LAUNDRY EQUIPMENT----------(3633)----	13.5	9.2	6.8	8.7	6.0	10.8	7.5	7.9	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3634	ELECTRIC HOUSEWARES & FANS-----------(3634)----	13.3	9.2	6.3	8.3	6.0	5.8	7.5	7.0	6.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3635	HOUSEHOLD VACUUM CLEANERS------------(3635)----	13.3	9.2	6.3	7.2	7.5	15.0	7.5	9.4	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3636	SEWING MACHINES----------------------(3636)----	11.5	8.0	5.7	6.9	8.0	10.0	7.8	9.6	8.8	0.0	3.3	0.0	0.0	0.0	2.1	0.7
3639	HOUSEHOLD APPLIANCES, N.E.C.---------(3639)----	12.3	8.7	6.2	7.1	7.0	12.2	8.6	9.1	9.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3641	ELECTRIC LAMPS-----------------------(3641)----	7.4	6.5	5.0	9.1	6.8	15.3	9.4	10.8	10.5	0.0	0.1	0.0	0.0	0.0	0.1	0.0
3642	LIGHTING FIXTURES--------------------(3642)----	15.6	13.9	12.4	13.6	8.5	7.5	10.1	9.5	8.6	0.8	1.2	0.0	0.0	0.0	0.7	0.3
3651	RADIO & TELEVISION RECEIVING SETS----(3651)----	8.9	6.5	6.0	6.8	8.8	5.9	10.4	9.2	8.3	0.0	0.8	0.0	1.3	0.0	0.7	0.4
3652	PHONOGRAPH RECORDS-------------------(3652)----	4.1	2.6	1.7	5.5	6.6	7.4	8.5	6.9	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3661	TELEPHONE & TELEGRAPH APPARATUS------(3661)----	10.9	7.3	5.4	7.8	7.0	11.9	8.4	8.7	8.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3662	RADIO & TELEVISION COMMUNICATION EQUIPMENT-------------------------(3662)----	5.6	5.9	4.8	7.0	8.2	7.2	10.1	9.3	8.4	0.0	0.8	0.0	1.3	0.0	0.7	0.4
3674	SEMICONDUCTORS-----------------------(3674)----	13.2	8.6	6.2	10.8	8.0	6.3	11.4	8.9	8.0	0.0	2.0	3.3	1.7	0.0	1.9	1.2
3679	ELECTRONIC COMPONENTS, N.E.C.--------(3679)----	12.0	7.7	6.0	8.3	8.0	6.1	9.8	8.5	7.7	0.0	0.6	0.8	0.8	0.0	0.6	0.5
3691	STORAGE BATTERIES--------------------(3691)----	10.2	4.4	4.0	8.5	7.5	5.8	10.0	7.7	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3692	PRIMARY BATTERIES, DRY & WET---------(3692)----	16.8	11.6	8.2	8.5	20.0	3.5	7.5	10.9	10.9	0.0	2.7	0.0	0.0	0.0	1.7	0.7
3693	X-RAY APPARATUS & TUBES--------------(3693)----	5.6	3.8	2.7	8.3	7.3	6.7	9.3	8.9	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3694	ENGINE ELECTRICAL EQUIPMENT----------(3694)----	6.1	3.9	2.9	5.7	9.9	6.6	11.4	8.9	8.5	0.0	1.0	0.0	0.0	0.0	0.6	0.0
3699	ELECTRICAL EQUIPMENT, N.E.C.---------(3699)----	9.0	7.4	6.2	8.8	7.3	12.9	10.1	10.1	9.9	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3702	GRAY IRON FOUNDRIES------------------(3321)-+																
	MALLEABLE IRON FOUNDRIES-------------(3322)-+																
	STEEL FOUNDRIES----------------------(3323)----	9.0	7.5	6.5	7.5	7.4	8.9	8.8	9.6	8.6	0.0	0.2	0.0	0.0	0.0	0.1	0.0
3713	TRUCK & BUS BODIES-------------------(3713)----	4.2	2.5	1.7	4.0	14.4	3.0	14.0	11.0	9.8	0.0	2.0	0.0	0.0	0.0	1.3	0.4
3715	TRUCK TRAILERS-----------------------(3715)----	5.9	7.9	8.0	7.3	7.6	8.5	8.1	9.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3717	MOTOR VEHICLES-----------------------(3711)-+																
	MOTOR VEHICLE PARTS & ACCESSORIES---(3714)----	6.3	2.9	2.0	4.8	12.0	4.7	13.3	10.5	9.4	0.0	2.8	0.6	0.0	0.0	1.8	0.8
3721	AIRCRAFT-----------------------------(3721)----	8.0	6.1	4.9	6.4	8.4	2.3	14.6	8.8	7.0	1.7	0.7	1.7	0.0	0.0	0.6	0.5
3722	AIRCRAFT ENGINES & ENGINE PARTS-----(3722)----	8.0	5.0	4.5	4.7	7.1	5.1	14.7	9.6	8.0	0.0	0.7	0.0	1.7	0.0	0.6	0.2
3723	AIRCRAFT PROPELLERS & PARTS----------(3723)----	2.3	2.9	5.0	7.1	6.8	5.1	15.0	8.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3729	AIRCRAFT EQUIPMENT, N.E.C.-----------(3729)----	2.3	2.9	5.0	7.1	6.8	5.1	15.0	8.6	7.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3731	SHIPBUILDING & REPAIRING-------------(3731)----	9.2	7.3	5.9	5.0	2.2	2.2	6.3	3.4	3.0	3.3	0.4	0.0	0.0	0.0	0.3	0.1
3732	BOATBUILDING & REPAIRING-------------(3732)----	9.4	7.4	5.4	5.0	2.2	2.2	6.3	3.4	3.0	3.3	0.4	0.0	0.0	0.0	0.3	0.1
3741	LOCOMOTIVES & PARTS------------------(3741)----	25.6	18.2	13.0	9.5	6.3	4.7	12.7	8.2	7.1	0.0	0.5	0.0	2.7	0.0	0.7	0.5
3742	RAILROAD & STREET CARS---------------(3742)----	13.3	11.3	9.8	10.4	5.5	9.7	7.5	8.2	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3751	MOTORCYCLES, BICYCLES, & PARTS-------(3751)----	21.4	14.5	10.5	10.9	10.8	15.0	10.8	13.7	12.9	0.0	0.9	0.0	0.0	0.4	0.8	0.2
3791	TRAILER COACHES----------------------(3791)----	5.9	7.9	8.0	7.3	7.6	8.5	8.1	9.2	8.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3799	TRANSPORTATION EQUIPMENT, N.E.C.-----(3799)----	3.0	3.1	2.7	6.5	9.6	6.4	10.8	10.0	8.7	0.0	2.4	1.1	0.0	0.0	1.7	0.9
3811	ENGINEERING & SCIENTIFIC INSTRUMENTS-------------------------------(3811)----	16.5	10.5	9.7	6.9	4.0	4.1	8.4	4.5	4.0	0.0	0.2	0.2	1.3	0.0	0.3	0.3
3821	MECHNICAL MEASURING DEVICES----------(3821)----	28.2	18.7	13.5	14.8	8.8	10.0	7.8	9.9	9.2	0.0	0.1	0.0	0.5	0.0	0.1	0.1
3822	AUTOMATIC TEMPERATURE CONTROLS-------(3822)----	30.4	21.0	15.3	15.6	9.5	9.3	7.5	9.4	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3831	OPTICAL INSTRUMENTS & LENSES---------(3831)----	27.7	21.5	16.4	14.8	10.6	6.6	9.5	11.4	9.3	0.0	0.4	0.0	0.3	0.0	0.3	0.1
3841	SURGICAL & MEDICAL INSTRUMENTS-------(3841)----	21.0	15.7	11.5	11.0	8.0	12.2	11.1	11.0	10.3	0.6	0.9	0.6	0.0	0.0	0.6	0.4
3842	SURGICAL APPLIANCES & SUPPLIES-------(3842)----	13.5	8.4	6.7	8.2	5.0	5.7	8.1	6.3	5.8	1.5	0.2	0.0	0.0	0.0	0.1	0.0
3843	DENTAL EQUIPMENT & SUPPLIES----------(3843)----	17.4	12.5	9.0	11.6	7.6	7.1	9.5	8.6	7.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3851	OPHTHALMIC GOODS---------------------(3851)----	22.0	17.2	14.4	16.0	9.5	9.2	12.2	11.5	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3861	PHOTOGRAPHIC EQUIPMENT & SUPPLIES---(3861)----	14.6	10.7	7.9	11.7	10.8	7.7	12.0	10.3	9.5	0.2	0.5	0.1	0.2	0.0	0.3	0.2
3871	WATCHES & CLOCKS---------------------(3871)----	30.0	19.8	16.7	22.2	8.5	13.7	12.9	12.4	11.3	0.0	0.3	0.0	0.0	0.0	0.2	0.0

Table 3.--Nominal tariff rates and non-tariff barrier indices for major trading areas--Cont.

(Using simple tariff averages)

IO-SIC	SECTOR DESCRIPTION (PUBE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA)			GATT TARIFF AVERAGES (PERCENT)						NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES)						
		1965	1970	PKR	US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.	US	EEC	CAN-ADA	JAP-AN	UK	EEC CAN JAP UK	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
3872	WATCHCASES----------(3872)----	38.0	26.5	18.9	20.1	6.5	20.0	17.5	15.3	13.8	0.0	0.7	0.0	0.0	0.0	0.4	0.0
3911	JEWELRY, PRECIOUS METAL----------(3911)----	34.6	24.0	17.2	16.2	8.8	9.7	17.6	11.5	10.5	0.0	1.1	0.0	1.3	0.0	0.0	0.4
3912	JEWELERS' FINDINGS & MATERIALS------(3912)----	39.5	27.5	19.8	15.8	10.2	11.1	10.1	12.6	11.7	0.0	0.9	0.0	2.2	0.0	0.8	0.6
3913	LAPIDARY WORK----------(3913)----	11.2	7.7	5.4	10.7	3.6	2.9	6.1	5.0	4.0	0.0	0.8	0.0	0.0	0.0	0.5	0.2
3914	SILVERWARE & PLATED WARE----------(3914)----	28.8	16.4	12.8	17.4	10.3	11.0	17.1	13.5	12.0	0.0	1.9	0.0	2.7	0.0	1.5	0.9
3931	MUSICAL INSTRUMENTS & PARTS---------(3931)----	15.8	10.9	8.2	9.4	8.0	11.8	8.7	10.2	9.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3941	GAMES & TOYS----------(3941)----	27.0	18.0	13.0	11.6	10.9	15.4	11.2	12.2	12.3	0.7	0.9	0.7	0.0	0.0	0.7	0.4
3942	DOLLS----------(3942)----	28.3	20.7	16.2	10.6	10.5	13.7	12.1	11.8	11.7	0.4	1.6	0.4	0.0	0.1	1.1	0.6
3943	CHILDREN'S VEHICLES, EXCEPT BICYCLES----------(3943)----	12.4	8.6	6.4	10.6	12.3	13.3	7.5	11.1	11.4	0.0	2.0	0.0	0.0	0.0	1.3	0.5
3949	SPORTING & ATHLETIC GOODS, N.E.C.---(3949)----	15.0	11.0	8.6	9.8	8.0	15.4	11.4	12.0	11.5	0.4	0.3	0.0	0.0	0.0	0.2	0.0
3951	PENS & MECHANICAL PENCILS----------(3951)----	35.2	20.3	16.1	12.4	7.2	13.1	11.7	11.1	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3952	LEAD PENCILS & ART GOODS----------(3952)----	13.3	11.6	7.3	10.5	7.5	15.3	11.3	10.8	10.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
3953	MARKING DEVICES----------(3953)----	18.4	18.4	18.4	14.7	6.8	14.7	14.5	11.2	10.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3955	CARBON PAPER & INKED RIBBONS--------(3955)----	6.9	4.3	3.2	5.4	13.2	10.3	7.1	11.4	10.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3961	COSTUME JEWELRY----------(3961)----	27.9	21.2	16.9	14.1	9.4	8.9	13.1	10.5	9.8	0.0	0.7	0.0	0.0	0.0	0.4	0.2
3962	FEATHERS, PLUMES & ARTIFICIAL FLOWERS----------(3962)----	18.3	13.8	11.4	11.8	12.1	16.3	12.0	13.1	13.3	1.3	1.6	1.3	0.0	0.0	1.2	0.9
3963	BUTTONS----------(3963)----	17.3	15.0	11.9	17.5	11.5	19.5	9.4	12.8	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3964	NEEDLES, PINS, & FASTENERS----------(3964)----	29.8	19.7	15.2	13.5	7.3	12.5	11.8	10.9	10.2	0.0	0.8	0.0	1.8	0.0	0.7	0.5
3991	BROOMS & BRUSHES----------(3991)----	22.5	28.3	13.7	22.5	9.2	9.1	8.0	9.7	9.0	0.0	0.5	0.0	0.0	0.0	0.3	0.0
3996	HARD SURFACE FLOOR COVERINGS--------(3996)----	13.9	7.6	5.5	7.8	11.0	19.6	8.8	12.3	13.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3983	MATCHES (SIC 3999 IN 1967)----------(3983)----	9.2	6.4	7.3	6.8	8.3	13.0	10.0	9.8	9.8	3.3	1.3	1.7	0.0	0.0	1.0	0.8
3984	CANDLES (SIC 3999 IN 1967)----------(3984)----	18.4	12.9	9.2	10.0	8.0	20.0	7.5	11.4	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3988	MORTICIANS' GOODS----------(3994)----	16.1	11.3	8.3	9.1	7.5	6.1	12.5	8.6	7.9	0.0	0.7	0.0	0.0	0.0	0.4	0.0
3993	SIGNS & ADVERTISING DISPLAY---------(3993)----	17.5	6.1	4.5	9.5	7.5	13.3	10.0	10.2	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3995	UMBRELLAS, PARASOLS & CANES (SIC 3999 IN 1967)----------(3995)----	21.6	18.9	17.2	16.9	11.1	10.7	13.3	12.1	11.6	0.0	1.6	0.0	0.0	0.0	1.0	0.3
3999	MANUFACTURES, N.E.C.----------(3999)----	21.3	15.4	11.5	8.5	5.5	7.7	8.0	7.1	6.7	0.1	0.3	0.1	0.3	0.0	0.3	0.1
4101	SCREW MACHINE PRODUCTS----------(3451)-+ BOLTS, NUTS, SCREWS, RIVETS, & + WASHERS----------(3452)----	12.6	8.8	6.7	6.4	6.8	13.5	10.6	10.2	10.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
4208	VALVES & PIPE FITTINGS----------(3494)-+ FABRICATED PIPE & FABRICATED PIPE + FITTINGS----------(3498)----	12.2	7.3	6.3	8.1	8.4	7.0	10.1	9.0	8.1	0.0	0.2	0.0	0.0	0.0	0.2	0.1
4703	SPECIAL DIES & TOOLS, DIE SETS------(3544)-+ MACHINE TOOL ACCESSORIES & + MEASURING DEVICES----------(3545)----	15.7	13.6	10.6	9.8	6.1	13.2	8.5	9.8	9.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5503	CURRENT-CARRYING WIRING DEVICES-----(3643)-+ NONCURRENT-CARRYING WIRING DEVICES--(3644)----	29.1	18.4	13.4	13.7	7.9	14.6	9.2	10.4	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5701	RADIO & TELEVISION TYPE ELECTRON TUBES, EXCEPT CATHODE RAY----------(3671)-+ CATHODE RAY PICTURE TUBES----------(3672)-+ TRANSMITTING, INDUSTRIAL & SPECIAL + PURPOSE ELECTRON TUBES----------(3673)----	12.2	10.7	8.1	10.5	9.8	4.8	12.7	9.7	8.5	0.0	2.7	6.7	3.3	0.0	2.0	3.3

Source: See table 1.

Note: The non-tariff barrier indices are exactly the same as those presented in table 1. They are given again so that the reader may compare the frequency of non-tariff barriers with average tariff levels.

Table 4.--Rank correlation coefficients, ranks, and summary statistics of the data in table 3

VARIABLE	(NO)	(FOR 374 OBSERVATIONS)
DSUI65	(2)	
DSUI70	(3)	
DSUIER	(4)	
CUSTUS	(5)	
GUNTEEC	(6)	
GUNTCAN	(7)	
GUNTJAP	(8)	
GUNTEOU	(9)	
GUNTACTY	(10)	
NTIUS	(11)	
NTIEEC	(12)	
NTICAN	(13)	
NTIJAP	(14)	
NTIOF	(15)	
NTHECJOB	(16)	
NTIEWTDA	(17)	

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
(2)	******	0.933	0.879	0.729	0.477	0.510	0.295	0.536	0.545	0.084	0.132	0.053	-0.104	0.159	0.121	0.113
(3)	50.179	******	0.909	0.756	0.469	0.495	0.322	0.539	0.540	0.135	0.201	0.111	-0.033	0.224	0.192	0.182
(4)	35.585	42.150	******	0.813	0.463	0.485	0.388	0.573	0.557	0.158	0.202	0.110	-0.017	0.252	0.191	0.161
(5)	20.525	22.245	26.886	******	0.542	0.509	0.447	0.622	0.605	0.228	0.333	0.195	0.095	0.376	0.322	0.292
(6)	10.467	10.252	10.063	12.449	******	0.461	0.469	0.760	0.767	0.129	0.325	0.135	0.027	0.339	0.302	0.252
(7)	11.429	10.975	10.685	11.412	10.020	******	0.368	0.774	0.838	0.107	0.088	0.024	-0.199	0.126	0.079	0.077
(8)	5.985	6.552	8.130	9.635	10.245	7.639	******	0.702	0.637	0.197	0.401	0.235	0.229	0.285	0.319	0.331
(9)	12.261	12.328	13.482	15.321	22.552	25.386	18.998	******	0.981	0.153	0.322	0.103	-0.027	0.271	0.303	0.268
(10)	12.547	12.370	12.945	14.661	23.041	29.570	15.940	98.238	******	0.161	0.302	0.098	-0.044	0.283	0.294	0.249
(11)	1.634	2.632	3.089	4.519	2.513	2.076	3.893	2.989	3.153	******	0.571	0.611	0.178	0.518	0.579	0.616
(12)	2.569	3.966	3.972	6.809	6.625	1.702	8.438	6.569	6.105	13.407	******	0.571	0.460	0.627	0.904	0.904
(13)	1.020	2.158	2.139	3.835	2.624	0.462	4.660	1.994	1.894	14.879	13.415	******	0.365	0.535	0.610	0.602
(14)	-2.021	-0.629	-0.324	1.847	0.512	-3.925	4.544	-0.530	-0.844	3.480	9.902	7.562	******	0.453	0.518	0.566
(15)	3.097	4.436	5.031	7.826	6.954	2.454	5.304	5.425	5.681	11.678	15.519	12.202	9.799	******	0.633	0.640
(16)	2.356	3.776	3.744	6.550	6.111	1.524	8.143	6.140	5.704	13.708	******	14.850	11.674	15.787	******	0.946
(17)	2.169	3.562	3.554	5.878	5.010	1.484	6.775	5.272	4.965	15.099	40.860	18.476	13.236	16.304	56.099	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 372

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
101	19.0	17.5	27.5	352.0	358.0	338.0	4.0	250.0	314.0	370.0	372.0	130.0	374.0	373.0	373.0	372.0
102	104.0	254.5	159.5	176.5	47.0	107.5	48.5	52.0	48.0	333.5	325.0	349.0	137.5	324.0	326.0	332.0
103	74.0	117.0	126.5	116.0	35.0	19.0	32.5	20.5	18.0	283.0	280.0	305.5	299.0	304.0	283.0	285.0
201	46.0	86.5	109.5	183.0	6.0	6.5	16.0	6.0	5.0	317.0	308.5	349.0	346.0	141.0	315.0	337.5
202	90.0	93.5	103.5	194.0	40.5	27.5	66.5	40.0	38.0	324.0	349.0	360.0	354.0	344.5	350.0	350.0
203	363.0	354.0	367.0	373.5	366.5	361.0	373.5	373.5	373.5	127.0	367.5	368.0	361.5	369.0	367.5	367.0
204	107.0	105.0	151.5	259.5	305.5	33.0	302.0	148.5	164.5	285.0	338.0	354.0	340.0	350.0	348.0	346.0
205	170.0	198.0	242.5	102.0	73.5	20.0	65.0	43.5	41.0	301.0	317.0	339.0	328.0	312.0	315.0	322.0
206	53.5	70.5	44.5	287.5	16.5	39.5	44.0	35.0	29.0	317.0	337.0	361.0	334.0	141.0	339.0	347.0
207	47.0	50.0	42.5	97.0	231.5	91.5	48.5	80.5	89.0	273.0	320.5	338.0	331.5	327.0	327.0	333.0
300	33.0	28.0	22.5	240.0	271.5	101.0	184.0	129.5	132.0	264.0	245.5	276.0	289.0	300.5	293.0	297.0
500	37.0	19.5	40.5	16.5	6.0	35.5	8.0	5.0	7.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
601	18.0	6.0	194.5	23.0	6.0	29.5	24.5	10.0	10.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
602	30.0	24.0	25.5	32.0	15.0	33.0	17.5	11.0	13.0	127.0	65.5	130.0	325.0	141.0	174.0	222.0
700	8.5	6.0	7.5	3.0	20.5	3.0	12.0	4.0	4.0	127.0	314.5	130.0	346.0	363.0	323.5	327.0
800	23.5	34.0	36.5	29.5	13.5	21.5	195.5	30.5	22.5	367.0	288.0	322.0	137.5	284.5	286.5	295.5
900	49.0	33.0	25.5	64.0	37.5	71.0	28.0	36.0	36.0	127.0	166.0	130.0	278.0	284.5	160.0	174.0
1000	79.0	67.5	64.0	32.0	32.0	27.5	23.0	13.0	16.0	127.0	215.0	130.0	309.5	284.5	225.0	227.0
1419	55.5	75.5	103.5	127.0	6.0	288.0	369.0	366.5	360.0	370.0	304.0	356.5	367.0	344.5	329.5	354.0
1701	310.5	303.0	304.0	287.5	348.0	335.0	289.0	349.0	349.0	329.5	292.5	130.0	137.5	141.0	286.5	277.5
1804	338.0	353.0	365.0	346.0	301.0	333.0	320.5	348.0	347.0	338.0	303.0	286.0	137.5	320.0	298.0	300.0
1925	15.0	26.0	255.5	300.0	47.0	292.0	353.0	307.5	260.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
1929	15.0	26.0	255.5	300.0	47.0	292.0	353.0	307.5	260.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
1931	33.0	127.0	123.0	73.0	47.0	283.5	303.5	143.0	151.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
1951	331.0	317.0	307.5	328.0	161.0	145.5	355.0	278.5	224.5	317.0	65.5	289.0	137.5	141.0	125.5	198.5
1961	253.0	265.5	275.5	270.5	161.0	278.0	345.0	318.5	281.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
1990	15.0	26.0	255.5	300.0	47.0	292.0	353.0	307.5	260.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2011	88.0	100.5	94.0	102.0	131.0	50.5	180.0	59.5	63.0	323.0	330.0	282.0	337.0	355.0	332.0	331.0
2013	96.5	114.0	132.5	78.0	349.0	138.0	347.0	318.5	304.0	349.5	341.0	130.0	365.5	361.5	351.0	349.0
2015	100.5	210.5	174.0	247.5	274.5	121.0	282.5	179.5	182.0	277.0	354.5	289.0	355.5	361.5	357.0	352.0
2021	98.5	23.0	310.5	361.0	218.5	168.5	358.5	260.0	245.0	373.0	371.0	368.0	372.5	374.0	372.0	373.0
2022	290.0	311.0	328.0	321.0	6.0	216.5	366.0	352.0	320.5	374.0	362.0	374.0	372.5	369.0	370.5	374.0
2023	94.0	187.5	246.5	259.5	16.5	271.0	357.0	209.5	218.0	372.0	350.0	373.0	368.5	352.0	363.0	369.0
2024	303.5	334.0	350.0	168.0	362.0	283.0	363.0	357.5	358.0	349.5	316.0	130.0	346.0	344.5	320.5	324.0

Table 4.--Rank correlation coefficients, ranks, and summary statistics of the data in table 3--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
2026	15.0	93.5	151.5	307.5	357.0	292.0	313.0	337.0	344.5	349.5	370.0	130.0	370.5	366.0	367.5	364.0
2031	140.0	153.0	169.0	122.5	365.0	133.0	327.5	329.5	324.5	127.0	334.0	333.5	321.0	352.0	334.5	337.5
2032	213.0	205.0	194.5	205.5	363.5	271.0	362.0	356.0	357.0	127.0	308.5	130.0	137.5	141.0	301.0	295.5
2033	261.0	275.5	304.0	304.0	336.5	145.5	331.0	264.5	277.0	268.0	333.0	314.0	327.0	336.0	328.0	325.0
2034	227.5	251.5	277.0	268.0	320.0	88.0	337.0	236.0	235.0	263.0	339.0	322.0	346.0	333.0	336.5	335.0
2035	165.0	162.5	151.5	135.5	268.5	235.0	361.0	343.5	332.0	127.0	65.5	130.0	346.0	141.0	307.5	253.5
2036	39.5	35.0	27.5	68.0	359.0	61.0	188.5	240.5	235.0	317.0	336.0	333.5	321.0	352.0	336.5	337.5
2037	235.5	249.0	283.5	294.5	347.0	91.5	327.5	243.0	265.5	273.0	365.0	342.5	346.0	340.0	355.0	353.0
2041	64.0	97.0	137.5	171.5	28.5	116.0	348.5	87.5	89.0	362.0	358.0	363.0	358.0	310.0	350.0	359.0
2042	41.0	47.0	36.5	21.5	77.5	41.0	20.0	30.5	36.0	303.0	319.0	342.5	316.5	337.5	328.0	330.0
2043	49.0	43.5	38.5	26.0	6.0	316.5	365.0	340.5	314.0	127.0	367.5	130.0	137.5	141.0	340.5	340.5
2044	98.5	171.5	94.0	218.5	26.0	107.5	334.5	59.5	68.0	349.5	357.0	358.5	368.5	308.0	361.0	361.0
2045	76.0	135.5	213.5	160.5	35.0	157.5	344.0	80.5	102.5	367.0	359.0	368.0	365.5	313.5	362.0	362.0
2046	292.0	283.0	286.0	131.0	195.0	155.5	334.5	165.5	201.5	309.5	326.0	355.0	357.0	305.5	336.5	350.0
2051	11.5	14.5	17.5	41.0	43.0	174.5	358.5	264.5	239.5	317.0	354.5	130.0	137.5	141.0	342.0	319.0
2052	69.0	72.5	52.0	55.5	66.0	178.0	360.0	311.5	270.0	329.5	351.0	130.0	137.5	141.0	340.0	321.0
2071	227.5	270.5	285.0	303.0	294.0	201.0	356.0	322.5	314.0	370.0	342.0	322.0	358.5	335.0	300.0	342.0
2072	57.5	40.0	32.5	21.5	271.5	84.5	269.5	84.0	121.0	327.0	281.0	325.0	329.0	324.0	295.0	308.0
2073	173.5	225.5	38.5	97.0	161.0	101.0	153.5	59.5	79.5	367.0	314.5	130.0	331.5	141.0	307.5	306.0
2082	203.0	162.5	142.5	88.5	105.5	241.0	274.5	186.0	218.0	292.5	343.0	333.5	346.0	324.0	345.0	344.0
2083	30.0	43.5	48.5	39.0	6.0	208.5	313.0	148.5	109.5	127.0	354.5	130.0	370.5	141.0	350.0	356.5
2084	366.0	358.0	359.0	366.0	370.0	334.0	367.0	368.0	368.0	349.5	373.0	356.5	137.5	316.5	370.5	370.0
2085	364.0	362.5	360.0	350.0	371.0	363.0	368.0	369.0	369.0	349.5	374.0	349.0	137.5	358.5	370.0	371.0
2086	22.0	17.5	21.0	41.0	253.0	161.5	327.5	209.5	213.0	127.0	346.5	130.0	346.0	141.0	342.0	334.0
2087	306.0	309.0	330.0	221.5	354.0	71.0	350.0	273.5	277.0	273.0	324.0	284.5	316.5	319.0	322.0	317.0
2091	53.5	348.0	58.5	47.0	35.0	56.0	31.0	41.5	36.0	127.0	298.0	341.0	342.5	141.0	307.5	327.0
2092	373.0	371.0	357.0	269.0	186.0	201.0	252.5	198.5	182.0	127.0	362.0	368.0	361.5	141.0	359.5	360.0
2093	39.5	60.0	73.0	251.0	206.5	201.0	227.5	186.0	177.5	127.0	344.0	362.0	335.5	313.5	348.0	355.0
2094	79.0	60.0	61.0	107.0	37.5	67.5	36.0	47.0	39.5	127.0	306.0	344.0	296.5	329.0	310.0	323.0
2095	9.0	21.5	7.5	19.0	352.0	145.5	348.5	284.5	304.0	317.0	323.0	334.5	137.5	141.0	315.0	315.5
2096	349.5	367.5	363.0	285.5	333.0	233.5	331.0	307.5	299.5	349.5	331.5	358.5	137.5	344.5	333.5	344.0
2097	4.5	6.0	7.5	11.0	27.0	75.5	21.0	18.0	26.5	127.0	346.5	130.0	137.5	141.0	336.5	318.0
2098	59.0	56.0	42.5	29.5	6.0	262.0	364.0	329.5	329.0	127.0	362.0	130.0	137.5	141.0	347.0	337.5
2099	120.0	114.0	128.5	205.5	328.0	133.0	343.0	268.5	274.0	305.0	335.0	315.0	335.5	328.0	331.0	329.0
2100	94.0	88.0	79.5	135.5	195.0	208.5	110.0	117.5	156.5	127.0	250.5	130.0	137.5	141.0	231.5	170.0
2111	370.0	373.0	374.0	371.0	373.0	373.0	371.0	371.0	371.0	127.0	362.0	368.0	361.5	369.0	365.0	365.0
2121	69.0	192.5	82.0	371.0	373.0	373.0	371.0	371.0	371.0	127.0	362.0	368.0	361.5	372.0	367.5	367.0
2131	283.5	369.0	331.0	371.0	373.0	373.0	371.0	371.0	371.0	127.0	346.5	368.0	361.5	369.0	364.0	363.0
2141	368.5	341.5	372.0	373.5	366.5	361.0	373.5	373.5	373.5	127.0	367.5	368.0	361.5	369.0	367.5	367.0
2201	328.5	344.5	352.0	349.0	331.5	292.0	222.0	343.5	335.0	322.0	313.0	326.0	137.5	349.0	311.0	314.0
2241	326.5	323.5	317.5	307.5	259.0	192.0	176.0	221.5	213.0	307.0	255.0	268.0	137.5	310.0	259.0	246.0
2251	355.5	366.0	364.0	367.0	338.5	370.0	282.5	363.5	364.0	349.5	319.0	130.0	137.5	344.5	315.0	306.0
2252	355.5	367.5	366.0	359.0	323.5	366.5	303.5	359.0	359.0	364.5	311.5	295.0	137.5	334.0	309.0	309.0
2253	357.5	370.0	371.0	360.0	331.5	368.0	320.5	361.0	362.0	362.0	328.5	329.0	137.5	339.0	325.0	320.0
2254	342.0	360.0	369.0	368.0	360.5	371.0	338.5	366.5	367.0	349.5	367.5	349.0	137.5	358.5	359.5	356.5
2256	339.5	355.0	368.0	347.5	344.5	369.0	317.5	362.0	363.0	349.5	308.5	130.0	137.5	141.0	301.0	295.5
2259	321.0	316.0	333.5	358.0	350.0	365.0	289.0	360.0	361.0	362.0	321.0	317.5	137.5	337.5	319.0	312.0
2280	314.5	313.5	325.0	318.5	231.5	186.0	166.0	205.0	197.0	304.0	248.0	265.5	137.5	307.0	243.0	228.0
2284	239.5	315.0	335.5	329.0	195.0	105.0	235.5	179.5	151.0	300.0	204.5	130.0	137.5	305.5	207.5	183.0
2291	344.0	338.5	337.0	332.0	186.0	352.5	68.5	284.5	318.0	349.5	305.0	130.0	137.5	141.0	295.5	285.0
2292	362.0	359.0	361.0	354.0	341.0	340.5	323.0	355.0	354.0	349.5	327.0	289.0	137.5	324.0	320.5	311.0
2293	310.5	308.0	310.5	251.0	33.0	225.0	15.0	41.5	51.0	317.0	279.0	130.0	137.5	141.0	273.5	253.5
2294	170.0	171.5	142.5	232.5	59.5	24.5	27.0	38.5	31.5	329.5	208.0	130.0	137.5	299.0	202.0	190.5
2295	283.5	299.0	290.5	307.5	285.5	350.0	116.5	335.0	339.0	127.0	298.0	130.0	137.5	344.5	301.0	295.5
2296	277.5	311.0	301.5	356.0	336.5	288.0	261.5	345.0	346.0	349.5	352.0	349.0	137.5	358.5	352.0	351.0
2297	251.5	307.0	326.0	337.5	40.5	26.0	24.5	25.0	20.0	127.0	65.5	317.5	137.5	141.0	142.0	225.0
2298	290.0	295.5	307.5	311.5	301.0	168.5	140.5	273.5	242.0	349.5	285.0	130.0	137.5	141.0	281.0	253.5
2299	271.5	287.5	299.0	305.0	203.0	181.0	110.0	173.5	169.0	306.0	275.0	281.0	137.5	316.5	279.0	281.0
2391	339.5	350.0	354.0	347.5	363.5	364.0	282.5	365.0	365.0	349.5	354.5	349.0	137.5	358.5	354.0	348.0
2392	324.0	332.0	332.0	323.0	312.5	332.0	271.0	340.5	342.0	329.5	294.0	313.0	137.5	321.0	297.0	302.0
2393	290.0	279.5	287.0	339.0	344.5	361.0	180.0	346.5	353.0	349.5	319.0	130.0	137.5	344.5	315.0	306.0
2395	371.0	362.5	356.0	340.5	335.0	346.5	320.5	354.0	355.0	349.5	331.5	295.0	137.5	331.5	323.0	313.0
2396	303.5	289.0	292.5	311.5	266.0	321.0	218.0	284.5	307.0	336.0	311.5	130.0	137.5	316.5	306.0	301.0
2397	368.5	357.0	352.0	335.5	308.5	340.5	341.0	353.0	351.0	364.5	322.0	295.0	137.5	331.5	315.0	310.0
2399	330.0	323.5	323.0	340.5	312.5	354.0	300.0	350.5	350.0	332.0	289.0	277.5	137.5	330.0	292.0	291.0
2411	10.0	13.0	16.0	6.0	20.5	31.0	19.0	12.0	14.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2421	15.0	12.0	7.5	14.5	50.0	8.0	22.0	17.0	15.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2426	161.0	110.5	99.0	183.0	147.0	184.0	274.5	209.5	189.5	302.0	197.0	277.5	137.5	141.0	192.5	210.0
2429	49.0	36.0	30.0	52.0	73.5	39.5	39.5	45.5	42.5	127.0	159.5	130.0	137.5	141.0	148.0	73.5
2431	61.5	40.0	34.0	176.5	154.5	174.5	240.5	165.5	169.0	127.0	174.5	130.0	137.5	141.0	167.0	73.5
2432	276.0	273.5	275.5	247.5	243.5	236.0	293.0	214.0	235.0	127.0	192.0	130.0	137.5	141.0	182.5	183.0
2433	231.5	233.0	201.0	171.5	96.5	168.5	122.0	98.5	106.0	127.0	174.5	130.0	137.5	141.0	167.0	73.5
2491	79.0	72.5	58.5	43.5	100.0	84.5	113.5	87.5	76.0	127.0	147.5	130.0	137.5	141.0	135.5	73.5
2499	249.5	241.0	239.0	227.0	178.0	150.0	214.5	135.5	145.0	127.0	194.0	130.0	291.0	141.0	195.0	183.0
2500	183.0	185.5	165.5	116.0	344.5	201.0	68.5	245.0	260.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2511	281.5	293.0	269.5	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2512	335.0	326.0	314.5	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2514	257.5	243.0	230.5	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2515	297.5	305.5	323.0	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2519	218.0	217.0	189.5	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2521	281.5	293.0	269.5	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2522	257.5	243.0	230.5	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2531	257.5	243.0	230.5	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2541	144.0	123.0	103.5	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2542	297.5	279.5	272.0	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2591	297.5	279.5	272.0	259.5	231.5	305.5	261.5	297.5	289.5	292.5	264.5	305.5	137.5	141.0	266.0	267.5
2599	261.0	261.5	236.5	240.0	253.0	262.0	252.5	281.5	274.0	280.5	274.0	295.0	298.0	141.0	275.0	277.5
2605	110.0	100.5	82.0	38.0	114.0	225.0	34.0	63.0	102.5	280.5	65.5	279.0	137.5	141.0	120.5	179.0
2611	4.5	6.0	7.5	3.0	18.0	3.0	29.5	7.0	7.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2621	135.5	140.0	123.0	85.5	292.0	184.0	156.5	240.5	224.5	127.0	182.5	130.0	137.5	141.0	175.5	176.0
2631	90.0	64.0	40.5	82.5	298.5	244.5	172.0	268.5	265.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2641	144.0	153.0	130.0	176.5	334.0	241.0	128.0	307.5	296.5	280.5	204.5	130.0	137.5	141.0	191.0	189.0
2642	273.0	246.5	259.5	155.5	354.0	328.0	84.5	333.0	342.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2643	249.5	238.0	223.0	310.0	290.5	328.0	313.0	337.0	333.0	127.0	298.0	130.0	137.5	141.0	280.5	282.5
2644	152.0	135.5	116.0	68.0	338.5	316.5	55.0	260.0	309.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2645	221.5	217.0	213.5	168.0	326.0	278.0	61.5	314.0	309.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2646	122.0	117.0	94.0	116.0	320.0	91.5	35.0	158.5	156.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5

Table 4.--Rank correlation coefficients, ranks, and summary statistics of the data in table 3--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
2647	203.0	182.0	159.5	78.0	178.0	75.5	277.5	179.5	145.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2649	245.0	261.5	279.0	194.0	320.0	246.5	101.5	268.5	274.0	127.0	140.5	130.0	137.5	141.0	125.5	73.5
2661	183.0	277.0	362.0	199.5	308.5	316.5	313.0	346.5	337.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2701	215.0	238.0	225.0	183.0	169.5	113.0	137.0	91.5	96.5	256.0	185.0	270.0	290.0	293.0	199.0	214.0
2711	4.5	6.0	7.5	3.0	6.0	11.5	4.0	2.5	2.5	349.5	225.0	349.0	137.5	141.0	253.0	295.5
2721	20.5	6.0	7.5	3.0	6.0	11.5	4.0	2.5	2.5	349.5	225.0	349.0	137.5	141.0	253.0	295.5
2731	27.0	14.5	17.5	16.5	77.5	238.5	13.0	38.5	55.5	333.5	225.0	333.5	137.5	141.0	231.5	277.5
2732	20.5	6.0	7.5	12.5	59.5	206.0	10.5	30.5	45.0	336.0	204.5	327.5	137.5	141.0	220.0	250.5
2741	37.0	30.5	22.5	14.5	43.0	188.0	9.0	23.0	42.5	325.5	182.5	317.5	137.5	141.0	196.5	237.5
2753	86.5	78.5	94.0	32.0	52.0	316.5	17.5	52.0	83.5	317.0	65.5	333.5	137.5	141.0	167.0	253.5
2761	221.5	217.0	213.5	168.0	326.0	278.0	61.5	314.0	309.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2771	210.5	189.5	174.0	49.5	308.5	357.0	84.5	250.0	327.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2782	221.5	225.5	201.0	141.5	354.0	278.0	147.0	236.0	320.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2789	30.0	16.0	19.0	12.5	59.5	188.0	10.5	27.0	44.0	336.0	225.0	340.0	137.5	141.0	239.0	282.0
2793	148.5	130.0	109.5	116.0	82.0	138.0	46.5	52.0	52.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2794	148.5	130.0	109.5	116.0	82.0	138.0	46.5	52.0	52.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2821	293.5	279.5	290.5	227.0	186.0	206.0	166.0	125.5	164.5	266.0	65.5	130.0	137.5	141.0	59.5	73.5
2822	115.0	108.0	87.5	188.0	85.0	150.0	59.0	56.0	68.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2823	337.0	346.5	338.0	351.0	268.5	107.5	237.5	205.0	173.5	269.0	143.5	130.0	137.5	300.5	144.0	163.5
2824	314.5	297.0	296.0	332.0	253.0	121.0	211.5	165.5	161.0	266.0	138.5	130.0	137.5	298.0	132.0	158.0
2841	135.5	182.0	116.0	294.5	312.5	127.0	250.0	218.0	213.0	260.5	202.0	264.0	281.0	289.0	199.0	211.5
2842	74.0	75.5	61.0	194.0	94.0	196.5	166.0	98.5	114.5	127.0	188.0	130.0	137.5	141.0	178.0	163.5
2843	269.5	251.5	246.5	297.0	315.5	127.0	248.5	218.0	213.0	262.0	207.0	265.5	282.0	290.0	201.0	213.0
2844	265.5	261.5	262.0	322.0	271.5	345.0	324.5	331.0	339.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2851	104.0	91.0	78.0	116.0	73.5	220.5	122.0	72.5	109.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2861	42.0	58.0	73.0	68.0	54.0	42.0	51.0	43.5	39.5	275.0	145.0	130.0	286.0	141.0	145.0	166.0
2871	4.5	6.0	7.5	9.0	24.5	6.5	14.0	9.0	9.0	127.0	245.5	130.0	137.5	141.0	238.0	207.5
2872	4.5	6.0	7.5	10.0	28.5	3.0	4.0	8.0	6.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2879	84.0	89.5	67.0	232.5	253.0	138.0	188.5	135.5	145.0	255.0	195.0	261.0	279.0	291.0	196.0	203.0
2891	246.5	236.0	194.5	146.0	90.0	107.5	180.0	87.5	79.5	127.0	233.5	284.5	284.0	310.0	241.0	249.0
2892	110.0	52.5	251.5	91.5	111.0	150.0	116.5	80.5	79.5	127.0	133.5	130.0	137.5	141.0	122.0	149.0
2893	28.0	30.5	24.0	43.5	195.0	127.0	195.5	125.5	132.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
2895	84.0	30.5	7.5	34.0	20.5	3.0	55.0	16.0	10.5	127.0	225.0	130.0	137.5	141.0	207.5	198.5
2899	110.0	105.0	94.0	278.0	277.5	166.0	222.0	186.0	189.5	259.0	213.0	271.0	280.0	295.0	213.0	221.0
2901	235.5	217.0	213.5	284.0	296.5	142.5	235.5	198.5	197.0	258.0	217.0	263.0	292.0	292.0	219.0	226.0
2951	4.5	6.0	7.5	19.0	20.5	98.0	29.5	30.5	30.0	325.5	182.5	130.0	308.0	141.0	196.5	215.0
2952	51.5	30.5	7.5	78.0	341.0	211.5	63.5	273.5	270.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3011	115.0	100.5	87.5	78.0	253.0	127.0	289.0	225.0	208.0	127.0	264.5	130.0	137.5	141.0	253.0	73.5
3021	279.0	318.5	342.5	327.0	360.5	366.5	341.0	363.5	366.0	127.0	285.0	130.0	321.0	324.0	289.5	295.5
3031	4.5	6.0	7.5	26.0	23.0	33.0	32.5	33.5	22.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3069	221.5	198.0	184.5	227.0	209.5	211.5	184.0	158.5	189.5	266.0	138.5	130.0	137.5	141.0	124.0	73.5
3079	267.5	261.5	242.5	236.0	209.5	220.5	166.0	158.5	189.5	284.0	216.0	273.5	137.5	302.0	215.0	216.0
3101	44.5	64.0	85.0	245.0	246.5	127.0	227.5	135.5	145.0	308.0	230.0	269.0	300.0	294.0	235.0	240.0
3111	135.5	130.0	123.0	73.0	64.5	220.5	331.0	230.0	201.5	127.0	199.0	130.0	346.0	141.0	245.5	274.0
3121	144.0	123.0	103.5	107.0	161.0	349.0	313.0	324.5	326.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3131	124.5	93.5	82.0	68.0	186.0	343.0	286.5	297.5	323.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3141	248.0	270.5	274.0	218.5	288.0	230.5	296.5	288.5	281.5	127.0	225.0	130.0	304.0	141.0	222.5	232.5
3142	183.0	258.0	264.0	218.5	288.0	230.5	296.5	288.5	281.5	127.0	225.0	130.0	304.0	141.0	222.5	232.5
3151	326.0	364.0	373.0	365.0	290.5	357.0	299.0	357.5	352.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3161	357.5	328.0	323.0	307.5	317.0	346.5	293.0	340.5	348.0	127.0	264.5	130.0	137.5	141.0	253.0	232.5
3171	327.0	320.0	327.0	285.5	277.5	297.0	277.5	324.5	318.0	127.0	264.5	130.0	137.5	141.0	253.0	211.5
3172	307.0	300.0	301.5	230.0	218.5	322.0	305.0	318.5	309.5	127.0	199.0	130.0	137.5	141.0	187.5	170.0
3199	154.5	119.5	123.0	176.5	259.0	344.0	298.0	327.5	331.0	127.0	174.5	130.0	137.5	141.0	167.0	170.0
3221	186.0	177.0	146.5	155.5	281.0	214.5	84.5	214.0	224.5	127.0	298.0	130.0	137.5	344.5	301.0	295.5
3241	33.0	19.5	15.0	7.5	59.5	9.5	39.5	27.0	22.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3251	297.5	148.0	132.5	97.0	73.5	330.0	39.5	121.5	182.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3253	314.5	344.5	358.0	335.5	147.0	348.0	39.5	225.0	277.0	292.5	290.0	130.0	137.5	141.0	294.0	277.5
3255	190.5	171.5	151.5	102.0	147.0	50.5	122.0	63.0	58.5	127.0	174.5	130.0	137.5	141.0	167.0	170.0
3259	215.0	205.0	201.0	205.5	82.0	342.0	39.5	173.5	235.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3261	334.0	321.5	317.5	353.0	344.5	316.5	84.5	284.5	324.5	127.0	298.0	130.0	137.5	354.0	305.0	303.0
3262	372.0	372.0	370.0	369.0	369.0	316.5	84.5	340.5	356.0	127.0	346.5	130.0	137.5	364.5	349.5	340.5
3263	342.0	336.0	340.5	363.0	322.0	357.0	84.5	318.5	342.0	127.0	340.0	130.0	137.5	364.5	342.0	327.0
3264	309.0	283.0	283.5	243.5	209.5	254.0	142.5	214.0	220.0	127.0	167.0	317.5	137.5	141.0	185.0	237.5
3269	312.0	301.0	294.5	357.0	356.0	285.0	84.5	288.5	327.5	127.0	291.0	130.0	137.5	356.0	304.0	304.0
3271	308.0	285.0	279.0	297.0	59.5	254.0	84.5	84.0	114.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3272	303.5	293.0	294.5	297.0	59.5	254.0	84.5	84.0	114.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3273	135.5	93.5	70.0	7.5	59.5	9.5	39.5	27.0	22.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3274	66.0	54.0	32.5	36.0	24.5	165.0	4.0	20.5	31.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3275	165.0	374.0	44.5	19.0	43.0	244.5	51.0	72.5	102.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3281	280.0	268.0	258.0	150.0	69.0	71.0	128.0	66.0	55.5	127.0	136.5	130.0	137.5	141.0	123.0	151.0
3291	81.0	83.5	61.0	73.0	90.0	138.0	84.5	72.5	72.0	127.0	131.0	130.0	137.5	141.0	119.0	147.0
3292	60.0	60.0	48.5	164.5	203.0	216.5	208.0	165.5	189.5	127.0	147.5	130.0	137.5	141.0	135.5	73.5
3293	72.0	67.5	55.0	176.5	218.5	201.0	218.0	173.5	189.5	127.0	153.0	130.0	137.5	141.0	142.0	73.5
3295	179.5	56.0	116.0	59.0	13.5	161.5	4.0	14.5	26.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3296	263.0	158.0	142.5	293.0	277.5	336.0	211.5	268.5	314.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3297	221.5	189.5	201.0	102.0	147.0	50.5	122.0	63.0	58.5	127.0	174.5	130.0	137.5	141.0	167.0	170.0
3299	210.5	217.0	213.5	91.5	90.0	153.0	66.5	66.0	72.0	127.0	132.0	130.0	137.5	141.0	120.5	148.0
3312	92.0	114.0	159.5	188.0	186.0	91.5	166.0	102.0	96.5	260.5	201.0	260.0	285.0	296.0	198.0	190.5
3313	176.0	135.5	90.5	85.5	100.0	127.0	105.5	69.0	72.0	127.0	142.0	130.0	137.5	141.0	127.0	150.0
3315	102.0	75.5	79.5	91.5	131.0	274.0	147.0	205.0	224.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3316	140.0	217.0	262.0	199.5	131.0	50.5	208.0	95.0	76.0	127.0	233.5	130.0	137.5	141.0	218.0	73.5
3317	104.0	162.5	235.0	213.0	284.0	24.5	153.5	198.5	132.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3331	37.0	37.5	48.5	59.0	12.0	14.0	43.0	14.5	12.0	127.0	65.5	130.0	137.5	141.0	135.5	170.0
3332	11.5	42.0	76.0	110.0	55.0	150.0	45.0	48.0	50.0	127.0	159.5	130.0	309.5	284.5	182.5	183.0
3333	122.0	171.5	265.0	221.5	82.0	61.0	58.0	49.0	46.0	127.0	225.0	130.0	304.0	141.0	222.5	219.0
3334	61.5	56.0	76.0	47.0	52.0	13.0	60.0	24.0	26.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3339	124.5	97.0	159.5	141.5	64.5	67.5	84.5	52.0	48.0	127.0	157.0	130.0	276.0	141.0	151.0	155.0
3341	144.0	105.0	179.0	135.5	67.0	63.0	101.5	55.0	48.0	127.0	156.0	130.0	275.0	141.0	148.0	154.0
3351	165.0	177.0	169.0	205.5	218.5	96.0	334.5	240.5	189.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3352	196.5	185.5	236.5	176.5	315.5	110.5	320.5	236.0	230.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3356	241.5	234.5	227.0	236.0	114.0	56.0	208.0	80.5	68.0	127.0	155.0	130.0	294.0	141.0	157.5	187.0
3357	246.5	127.0	184.5	155.5	294.0	238.5	327.5	281.5	279.0	127.0	164.5	130.0	137.5	141.0	155.5	73.5
3361	241.5	240.0	233.5	243.5	161.0	157.5	151.5	106.5	127.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3362	199.5	207.5	201.0	282.5	161.0	266.0	324.5	278.5	270.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3369	193.5	210.5	194.5	155.5	178.0	283.0	285.0	260.0	260.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3391	55.5	52.5	76.0	122.5	169.5	195.0	137.0	186.0	169.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5

Table 4.--Rank correlation coefficients, ranks, and summary statistics of the data in table 3--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
3392	129.5	135.5	189.5	59.0	39.0	18.0	55.0	33.5	26.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3399	118.0	171.5	174.0	155.5	105.5	91.5	160.5	91.5	74.0	127.0	162.5	130.0	137.5	141.0	153.5	160.5
3411	235.5	231.0	219.5	102.0	240.5	305.5	147.0	230.0	254.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3421	359.0	351.0	348.0	343.0	274.5	297.0	208.0	318.5	299.5	127.0	214.0	130.0	137.5	141.0	200.0	193.5
3423	217.0	225.5	213.5	215.0	178.0	246.5	156.5	214.0	213.0	127.0	174.5	130.0	137.5	141.0	167.0	170.0
3425	187.5	171.5	159.5	116.0	246.5	225.0	156.5	192.0	205.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3429	314.5	286.0	281.5	318.5	259.0	192.0	317.5	255.5	242.0	127.0	250.5	130.0	331.5	141.0	260.0	253.5
3431	332.5	321.5	314.5	316.5	137.0	216.0	351.0	297.5	254.5	127.0	241.5	130.0	352.5	284.5	277.0	288.5
3432	264.0	246.5	233.5	251.0	195.0	338.0	195.5	297.5	299.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3433	203.0	192.5	174.0	131.0	127.5	196.5	131.5	135.5	151.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3441	165.0	158.0	206.5	199.5	169.5	133.0	160.5	125.5	121.0	127.0	168.0	130.0	137.5	141.0	157.5	73.5
3442	165.0	182.0	223.0	183.0	147.0	96.0	227.5	125.5	114.5	127.0	192.0	130.0	137.5	141.0	182.5	73.5
3443	173.5	182.0	194.5	91.5	68.0	101.0	137.0	59.5	58.5	311.5	150.5	130.0	137.5	141.0	139.5	152.5
3444	190.5	143.5	159.5	194.0	137.0	79.5	128.0	106.5	89.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3446	190.5	143.5	159.5	194.0	137.0	79.5	128.0	106.5	89.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3449	190.5	143.5	159.5	194.0	137.0	79.5	128.0	106.5	89.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3461	94.0	86.5	73.0	55.5	329.5	84.5	261.5	240.5	224.5	127.0	264.5	130.0	137.5	141.0	253.0	223.5
3471	118.0	202.0	239.0	188.0	161.0	65.0	214.5	112.5	96.5	127.0	210.0	130.0	304.0	141.0	216.5	198.5
3479	118.0	202.0	239.0	188.0	161.0	65.0	214.5	112.5	96.5	127.0	210.0	130.0	304.0	141.0	216.5	198.5
3481	243.5	231.0	213.5	163.0	231.5	258.0	232.5	264.5	249.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3491	235.5	231.0	219.5	102.0	240.5	305.5	147.0	230.0	254.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3492	287.5	273.5	267.0	240.0	253.0	338.0	195.5	250.0	304.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3493	152.0	67.5	55.0	135.5	209.5	283.0	222.0	255.5	254.5	127.0	174.5	130.0	137.5	141.0	167.0	73.5
3496	177.5	158.0	151.5	102.0	240.5	305.5	147.0	230.0	254.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3497	374.0	217.0	146.5	223.5	125.5	71.0	218.0	102.0	83.5	127.0	190.0	130.0	296.5	141.0	192.5	193.5
3499	196.5	217.0	206.5	188.0	161.0	230.5	222.0	198.5	201.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3501	318.0	295.5	292.5	313.0	253.0	181.0	172.0	198.5	197.0	127.0	212.0	275.0	277.0	297.0	214.0	217.0
3511	257.5	326.0	213.5	150.0	96.5	155.5	232.5	135.5	127.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3519	90.0	67.5	55.0	52.0	169.5	56.0	308.5	192.0	138.0	127.0	225.0	130.0	137.5	141.0	207.5	73.5
3522	23.5	21.5	20.0	35.0	266.0	61.0	227.5	143.0	127.0	127.0	241.5	130.0	137.5	141.0	226.0	204.0
3531	170.0	153.0	137.5	68.0	169.5	161.5	131.5	117.5	127.0	127.0	182.5	130.0	137.5	141.0	175.5	176.0
3532	196.5	198.0	179.0	85.5	105.5	127.0	105.5	87.5	83.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3533	301.0	256.5	242.5	131.0	125.5	118.5	110.0	95.0	96.5	127.0	65.5	295.0	137.5	141.0	129.0	207.5
3534	152.0	135.5	109.5	26.0	120.0	46.5	84.5	76.5	63.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3535	154.5	135.5	109.5	26.0	120.0	46.5	84.5	76.5	63.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3536	57.5	80.5	64.0	26.0	120.0	46.5	84.5	76.5	63.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3537	100.5	127.0	99.0	47.0	206.5	214.5	195.5	173.5	189.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3541	239.5	225.5	201.0	127.0	70.5	258.0	184.0	186.0	182.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3542	231.5	234.5	223.0	127.0	70.5	258.0	184.0	186.0	182.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3548	207.5	192.5	174.0	127.0	114.0	250.0	133.5	148.5	173.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3551	157.5	141.0	123.0	45.0	105.5	237.0	84.5	125.5	156.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3552	254.5	238.0	221.0	141.5	90.0	65.0	105.5	69.0	58.5	127.0	133.5	280.0	137.5	141.0	131.0	183.0
3553	126.5	110.5	123.0	94.5	120.0	266.0	84.5	173.5	197.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3554	165.0	143.5	137.5	94.5	82.0	113.0	84.5	66.0	68.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3555	157.5	207.5	116.0	183.0	96.5	145.5	227.5	110.0	109.5	127.0	164.5	130.0	137.5	141.0	155.5	73.5
3559	84.0	80.5	70.0	68.0	100.0	150.0	101.5	91.5	96.5	127.0	65.5	295.0	137.5	141.0	129.0	207.5
3561	112.0	83.5	67.0	49.5	120.0	174.5	203.0	125.5	136.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3562	210.5	210.5	201.0	168.0	266.0	37.0	274.5	135.5	114.5	127.0	264.5	130.0	137.5	141.0	253.0	73.5
3564	82.0	83.5	70.0	78.0	120.0	118.5	293.0	165.5	145.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3565	157.5	123.0	159.5	210.0	86.0	35.5	246.0	91.5	63.0	127.0	147.5	130.0	137.5	141.0	135.5	156.5
3566	303.5	272.0	267.0	160.5	147.0	84.5	84.5	98.5	83.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3567	215.0	195.0	184.5	146.0	96.5	192.0	151.5	112.5	132.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3569	148.5	100.5	87.5	85.5	90.0	154.0	105.5	95.0	89.0	127.0	154.0	273.5	137.5	141.0	152.0	178.0
3571	183.0	158.0	132.5	107.0	137.0	206.0	243.5	165.5	173.5	127.0	135.0	130.0	311.0	141.0	167.0	188.0
3572	69.0	70.5	55.0	110.0	120.0	184.0	188.5	121.5	138.0	127.0	65.5	130.0	321.0	141.0	167.0	198.5
3576	129.5	117.0	99.0	127.0	105.5	161.5	84.5	148.5	121.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3579	183.0	166.5	146.5	232.5	154.5	254.0	113.5	143.0	177.5	127.0	65.5	130.0	346.0	141.0	207.5	232.5
3581	177.5	166.5	132.5	3.0	6.0	3.0	4.0	1.0	1.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3582	193.5	210.5	189.5	215.0	105.5	225.0	84.5	106.5	138.0	127.0	225.0	130.0	137.5	141.0	207.5	73.5
3585	113.0	83.5	67.0	68.0	111.0	251.0	272.0	198.5	213.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3586	140.0	135.5	109.5	55.5	131.0	127.0	178.0	102.0	109.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3589	173.5	177.0	146.5	110.0	147.0	178.0	101.5	112.5	127.0	127.0	65.5	305.5	137.5	141.0	135.5	219.0
3599	51.5	47.0	48.5	78.0	186.0	56.0	195.5	117.5	96.5	127.0	192.0	322.0	137.5	141.0	207.5	232.5
3611	336.0	313.5	304.0	232.5	178.0	286.0	160.5	250.0	247.0	127.0	140.5	130.0	295.0	141.0	148.0	183.0
3612	165.0	148.0	159.5	278.0	218.5	116.0	188.5	179.5	156.5	127.0	250.5	130.0	321.0	141.0	253.0	253.5
3613	265.5	265.5	251.5	122.5	137.0	168.5	84.5	148.5	145.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3621	254.5	256.5	259.5	282.5	120.0	142.5	208.0	117.5	114.5	127.0	264.5	130.0	137.5	141.0	253.0	232.5
3622	160.0	225.5	213.5	223.5	147.0	328.0	156.5	250.0	260.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3623	122.0	105.0	90.5	37.0	195.0	188.0	172.0	143.0	161.0	127.0	174.5	130.0	137.5	141.0	167.0	73.5
3624	115.0	97.0	87.5	141.5	178.0	211.5	84.5	155.5	156.5	127.0	174.5	130.0	137.5	141.0	167.0	73.5
3629	144.0	217.0	230.5	267.0	137.0	288.0	166.0	230.0	239.5	127.0	159.5	130.0	137.5	141.0	148.0	159.0
3631	199.5	187.5	169.0	168.0	261.0	281.0	195.5	230.0	254.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3632	148.5	135.5	109.5	62.0	77.5	278.0	227.5	165.5	208.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3633	235.5	225.5	213.5	215.0	105.5	225.0	84.5	106.5	138.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3634	227.5	225.5	184.5	205.5	105.5	75.5	84.5	72.5	68.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3635	227.5	225.5	184.5	155.5	195.0	316.5	84.5	179.5	235.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3636	187.5	182.0	151.5	141.5	218.5	201.0	110.0	192.0	177.5	127.0	308.5	130.0	137.5	141.0	301.0	277.5
3639	206.0	202.0	179.0	150.0	161.0	248.5	140.5	158.5	197.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3641	96.5	123.0	123.0	227.0	147.0	323.5	172.0	245.0	249.5	127.0	143.5	130.0	137.5	141.0	129.0	73.5
3642	267.5	291.0	309.0	315.0	253.0	127.0	203.0	186.0	169.0	292.5	254.0	130.0	137.5	141.0	245.5	219.0
3651	126.5	123.0	169.0	135.5	263.0	79.5	214.5	165.5	156.5	127.0	236.5	130.0	314.0	141.0	238.0	242.5
3652	43.0	40.0	30.0	82.5	131.0	121.0	137.0	69.0	79.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3661	173.5	148.0	137.5	176.5	161.0	243.0	133.5	143.0	177.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3662	64.0	105.0	109.5	146.0	240.5	116.0	203.0	173.5	161.0	127.0	236.5	130.0	314.0	141.0	238.0	242.5
3674	221.5	198.0	179.0	278.0	218.5	91.5	243.5	153.0	138.0	127.0	285.0	349.0	321.0	141.0	295.5	315.5
3679	196.5	166.5	169.0	205.5	218.5	84.5	184.0	129.5	121.0	127.0	210.0	305.5	304.0	141.0	227.0	260.0
3691	157.5	78.5	84.0	205.5	195.0	75.5	195.5	98.5	102.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3692	277.5	268.0	251.5	211.5	368.0	29.5	84.5	250.0	270.0	127.0	298.0	130.0	137.5	141.0	289.5	277.5
3693	64.0	62.0	48.5	205.5	178.0	104.0	166.0	153.0	121.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3694	74.0	64.0	55.0	88.5	288.0	101.0	243.5	153.0	164.5	127.0	250.5	130.0	137.5	141.0	231.5	73.5
3699	129.5	153.0	179.0	218.5	178.0	260.0	203.0	218.0	230.0	127.0	159.5	130.0	137.5	141.0	148.0	73.5
3702	129.5	158.0	194.5	164.5	186.0	171.5	147.0	192.0	169.0	127.0	147.5	130.0	137.5	141.0	135.5	73.5
3713	44.5	37.5	30.0	41.0	351.0	23.0	301.0	255.5	224.5	127.0	285.0	130.0	137.5	141.0	281.0	245.0
3715	69.0	177.0	246.5	160.5	203.0	161.5	122.0	165.5	151.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3717	77.0	47.0	35.0	55.5	323.5	43.5	293.0	236.0	208.0	127.0	302.0	289.0	137.5	141.0	294.0	283.0
3721	107.0	110.5	116.0	116.0	246.5	17.0	307.0	148.5	89.0	317.0	225.0	333.5	137.5	141.0	231.5	253.5

Table 4.--Rank correlation coefficients, ranks, and summary statistics of the data in table 3--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
3722	107.0	89.5	99.0	52.0	163.5	56.0	308.5	192.0	138.0	127.0	225.0	130.0	321.0	141.0	251.5	198.5
3723	25.5	47.0	123.0	150.0	147.0	56.0	313.0	135.5	106.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3729	25.5	47.0	123.0	150.0	147.0	56.0	313.0	135.5	106.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3731	132.5	148.0	165.5	62.0	30.5	15.5	55.0	20.5	18.0	349.5	188.0	130.0	137.5	141.0	178.0	163.5
3732	132.5	148.0	137.5	62.0	30.5	15.5	55.0	20.5	18.0	349.5	188.0	130.0	137.5	141.0	178.0	163.5
3741	337.5	329.0	314.5	240.0	120.0	43.5	279.5	117.5	96.5	127.0	204.5	130.0	338.5	141.0	258.0	258.5
3742	227.5	261.5	281.5	270.5	90.0	192.0	84.5	117.5	121.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3751	320.0	298.0	288.0	280.0	303.5	216.5	232.5	337.0	330.0	127.0	245.5	130.0	137.5	316.5	247.0	207.5
3791	65.0	177.0	246.5	160.5	208.0	161.5	122.0	165.5	151.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3799	35.0	51.0	48.5	122.5	283.0	96.0	252.5	214.0	173.5	127.0	292.5	322.0	137.5	141.0	289.5	288.5
3811	275.0	245.0	279.0	141.5	59.5	38.0	26.0	37.0	33.5	127.0	152.0	272.0	312.0	141.0	146.0	223.5
3821	347.0	333.0	320.0	325.5	263.0	201.0	110.0	209.5	201.5	127.0	136.5	130.0	293.0	141.0	142.0	176.0
3822	350.0	343.0	335.5	330.0	281.0	181.0	84.5	179.5	189.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3831	345.0	349.0	342.5	325.5	301.0	101.0	176.0	273.5	205.0	127.0	186.0	130.0	287.0	284.5	182.5	183.0
3841	317.0	305.5	299.0	281.0	218.5	248.5	237.5	255.5	245.0	277.0	241.5	289.0	137.5	141.0	241.5	239.0
3842	235.5	192.5	206.5	109.5	77.5	71.0	122.0	57.0	54.0	311.5	150.5	130.0	137.5	141.0	149.5	152.5
3843	286.0	275.5	267.0	289.5	203.0	113.0	176.0	135.5	121.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3851	323.0	318.5	329.0	334.0	281.0	178.0	269.5	278.5	230.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3861	251.5	249.0	242.5	291.0	303.5	138.0	252.5	225.0	213.0	257.0	196.0	262.0	283.0	288.0	194.0	205.0
3872	353.0	338.5	344.0	342.0	253.0	274.0	282.5	322.5	281.5	127.0	169.0	130.0	137.5	141.0	159.0	73.5
3911	360.0	352.0	346.5	337.5	263.0	192.0	341.0	278.5	249.5	127.0	225.0	130.0	137.5	141.0	207.5	73.5
3912	367.0	361.0	355.0	332.0	294.0	230.5	344.0	326.0	304.0	127.0	253.0	130.0	314.0	141.0	253.0	242.5
3913	179.5	166.5	137.5	276.0	52.0	21.5	51.0	45.5	33.5	127.0	241.5	130.0	331.5	141.0	253.0	261.0
3914	349.5	311.0	312.0	344.0	296.5	228.0	334.5	334.0	314.0	127.0	239.0	130.0	137.5	141.0	222.5	198.5
3931	271.5	253.0	251.5	236.0	218.5	241.0	142.5	221.5	218.0	127.0	282.0	130.0	330.5	141.0	285.0	287.0
3941	342.0	326.0	314.5	289.5	305.5	325.5	239.0	314.0	322.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3942	308.0	341.5	340.5	274.5	298.5	274.0	261.5	288.5	304.0	270.5	277.0	283.0	137.5	141.0	234.0	242.5
3943	207.5	198.0	189.5	274.5	329.5	268.5	84.5	260.0	289.5	127.0	285.0	130.0	137.5	141.0	281.0	267.5
3949	261.0	254.5	262.0	247.5	218.5	325.5	243.5	307.5	296.5	270.5	174.5	130.0	137.5	141.0	147.0	156.5
3951	361.0	340.0	339.0	303.0	173.0	264.0	247.0	260.0	245.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3952	227.5	268.0	227.0	272.5	195.0	323.5	240.5	245.0	265.5	277.0	65.5	130.0	137.5	141.0	59.5	73.5
3953	297.5	330.5	349.0	324.0	147.0	297.0	306.0	264.5	265.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3955	86.5	75.5	64.0	78.0	341.0	211.5	63.5	273.5	270.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3961	346.0	346.5	345.0	320.0	277.5	171.5	286.5	236.0	224.5	127.0	225.0	130.0	137.5	141.0	207.5	198.5
3962	293.5	290.0	297.0	292.0	326.0	331.0	252.5	332.0	335.0	309.5	278.0	327.5	137.5	141.0	274.0	280.0
3963	285.0	302.0	306.0	345.0	318.0	351.0	172.0	327.5	339.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3964	352.0	337.0	333.5	314.0	178.0	254.0	248.5	250.0	242.0	127.0	235.0	130.0	326.0	141.0	244.0	248.0
3981	325.0	365.0	321.0	364.0	271.5	174.5	116.5	198.5	189.5	127.0	199.0	130.0	137.5	141.0	187.5	73.5
3982	243.5	162.5	142.5	176.5	308.5	352.5	147.0	318.5	335.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3983	132.5	119.5	227.0	135.5	243.5	262.0	195.5	285.0	224.5	349.5	264.5	333.5	137.5	141.0	273.5	285.0
3984	297.5	283.0	272.0	259.5	218.5	357.0	84.5	273.5	318.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3988	274.0	261.5	255.5	227.0	195.0	84.5	274.5	135.5	132.0	127.0	225.0	130.0	137.5	141.0	207.5	73.5
3993	287.5	110.5	99.0	240.0	195.0	268.5	195.5	221.5	235.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
3995	322.0	335.0	346.5	342.0	312.5	320.5	293.0	311.5	299.5	127.0	276.0	130.0	137.5	141.0	272.0	232.5
3999	319.0	304.0	299.0	211.5	90.0	138.0	116.5	76.5	76.0	254.0	180.0	267.0	288.0	141.0	190.0	192.0
4101	210.5	205.0	206.5	116.0	147.0	271.0	222.0	221.5	235.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
4208	203.0	148.0	184.5	194.0	246.5	110.5	203.0	155.5	145.0	127.0	162.5	130.0	137.5	141.0	153.5	160.5
4703	269.5	287.5	289.0	247.5	111.0	265.0	137.0	205.0	205.0	127.0	65.5	130.0	137.5	141.0	59.5	73.5
5503	351.0	330.5	319.0	316.5	212.0	295.0	160.5	230.0	249.5	127.0	65.5	130.0	137.5	141.0	59.5	73.5
5701	203.0	249.0	249.0	272.5	285.5	46.5	279.5	198.5	164.5	127.0	298.0	368.0	346.0	141.0	315.0	344.0

SUMMARY STATISTICS FOR 374 OBSERVATIONS

VARIABLE	SUM	AVERAGE	STAND. DEV.	MINIMUM	MAXIMUM	COEF. OF VARIATION
USUT65	4943.01	13.2166	8.94907	.0	55.3000	.677108
USUT70	3744.07	10.0109	7.51591	.0	63.6000	.750775
USUTPK	2964.67	7.92692	6.12971	.0	48.5000	.773278
GUNTUS	3483.46	9.31407	6.62817	.0	63.7000	.711630
GUNTEEC	3072.67	8.21569	6.44835	.0	57.4000	.784881
GUNTCAN	3864.36	10.3325	5.64336	.0	37.1000	.546175
GUNTJAP	5214.02	13.9412	30.4685	.0	355.000	2.18549
GUNTECJU	3940.46	10.5360	9.96602	.0	102.900	.945902
GUNTACTY	3715.27	9.93387	8.36099	.0	78.0000	.841666
NTBUS	260.605	.696805	1.73820	.0	20.0000	2.49464
NTBEEC	584.297	1.56229	2.60641	.0	20.0000	1.66833
NTBCAN	236.427	.632158	1.66053	.0	16.6667	2.62676
NTBJAP	311.155	.831965	2.39177	.0	20.0000	2.87485
NTBUK	103.260	.276097	.871701	.0	7.50000	3.15723
NTBECJU4	476.653	1.27447	2.22784	.0	18.7500	1.74805
NTBEWTDA	319.150	.853341	1.69654	.0	11.6667	1.98811

Source: Statistics and ranks were computed from the data in table 3.

Note: The NTB indices in table 3 are identical to those in table 1.

Table 5.--Rank correlation coefficients between the import weighted and unweighted tariffs in tables 1 and 3

VARIABLE	(NO)	(FOR 378 OBSERVATIONS)
USTI6570	(2)	
USTT7070	(3)	
USTTPK70	(4)	
USUT65	(5)	
USUT70	(6)	
USUTPK	(7)	

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)
(2)	******	0.922	0.839	0.877	0.810	0.764
(3)	46.310	******	0.938	0.829	0.856	0.813
(4)	29.934	52.639	******	0.745	0.790	0.843
(5)	35.462	28.781	21.681	******	0.925	0.864
(6)	26.785	32.046	25.008	47.100	******	0.905
(7)	22.964	27.054	30.376	33.251	41.307	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 376

VARIABLE	(NO)	(FOR 374 OBSERVATIONS)
GWNTUS	(2)	
GWNTEEC	(3)	
GWNTCAN	(4)	
GWNTJAP	(5)	
GWNTECJU	(6)	
GWNTACTY	(7)	
GUNTUS	(8)	
GUNTEEC	(9)	
GUNTCAN	(10)	
GUNTJAP	(11)	
GUNTECJU	(12)	
GUNTACTY	(13)	

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
(2)	******	0.510	0.569	0.430	0.636	0.632	0.860	0.505	0.562	0.388	0.624	0.618
(3)	11.448	******	0.448	0.435	0.747	0.735	0.522	0.956	0.438	0.448	0.723	0.726
(4)	13.344	9.674	******	0.372	0.782	0.861	0.488	0.460	0.919	0.339	0.725	0.786
(5)	9.198	9.324	7.720	******	0.686	0.618	0.457	0.446	0.417	0.915	0.686	0.638
(6)	15.892	21.683	24.192	18.161	******	0.979	0.607	0.742	0.774	0.638	0.949	0.947
(7)	15.731	20.926	32.701	15.156	92.492	******	0.588	0.729	0.827	0.578	0.926	0.948
(8)	32.558	11.815	10.778	9.922	14.745	14.006	******	0.542	0.509	0.447	0.622	0.605
(9)	11.290	62.689	9.982	9.617	21.363	20.459	12.449	******	0.461	0.469	0.760	0.767
(10)	13.105	9.389	45.110	8.840	23.582	28.364	11.412	10.020	******	0.368	0.771	0.838
(11)	8.120	9.677	6.950	43.725	15.966	13.672	9.635	10.243	7.639	******	0.702	0.637
(12)	15.393	20.194	20.326	18.199	58.197	47.196	15.321	22.552	23.386	18.998	******	0.981
(13)	15.177	20.358	24.549	15.999	56.902	57.669	14.661	23.041	29.570	15.930	98.238	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 372

Source: The upper matrix--variables 2, 3, and 4 are from columns 2, 3, and 4 of table 1; variables 5, 6, and 7 are from columns 2, 3, and 4, respectively, of table 3.

The lower matrix--variables 2-7 are from columns 5-10 of table 1, and variables 8-13 are from columns 5-10 of table 3.

CHART 2

Bar graph of differences between U.S. nominal tariff averages and foreign nominal tariff averages

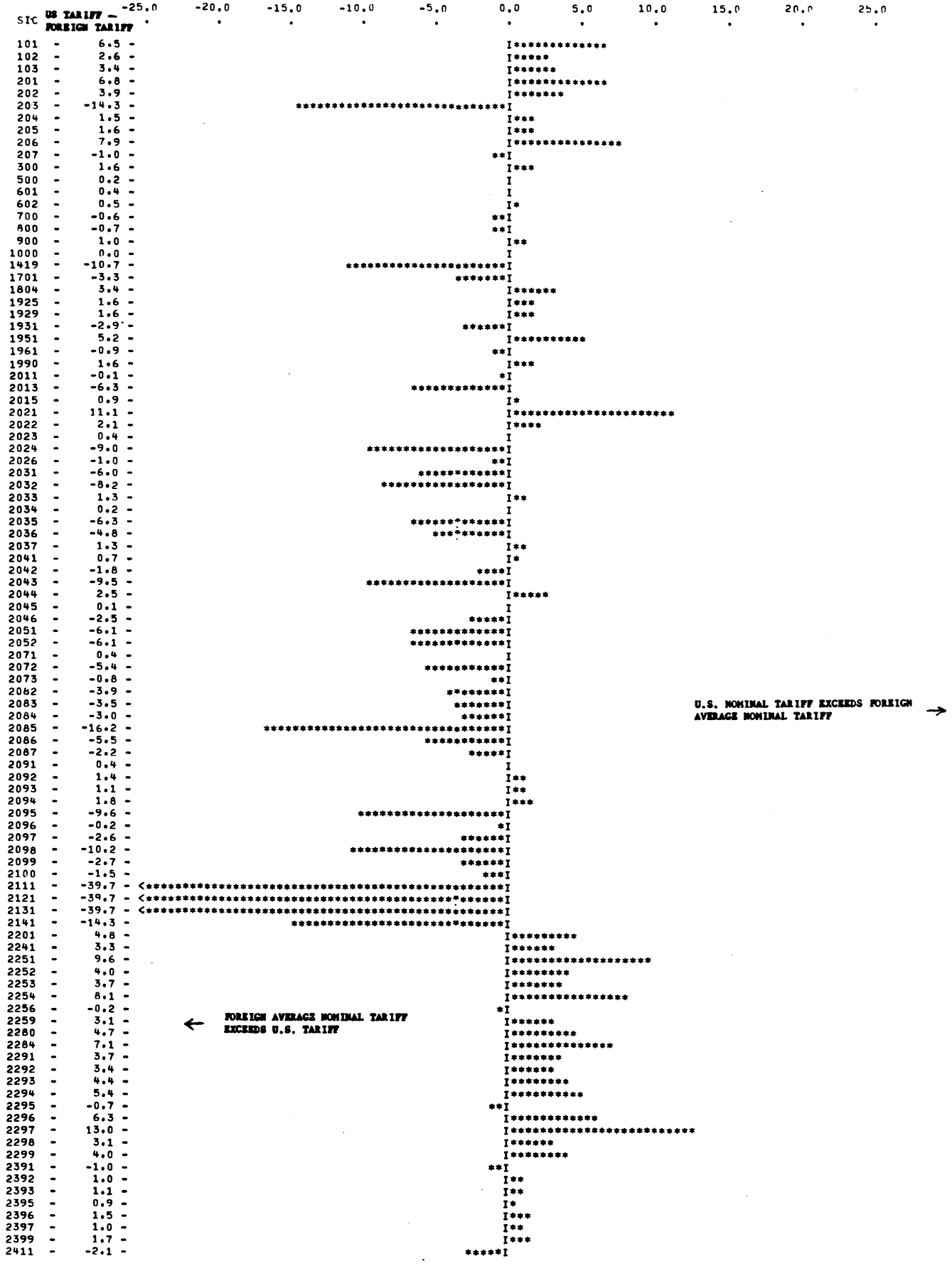


CHART 2--Cont.

Bar graph of differences between U.S. nominal tariff averages and foreign nominal tariff averages

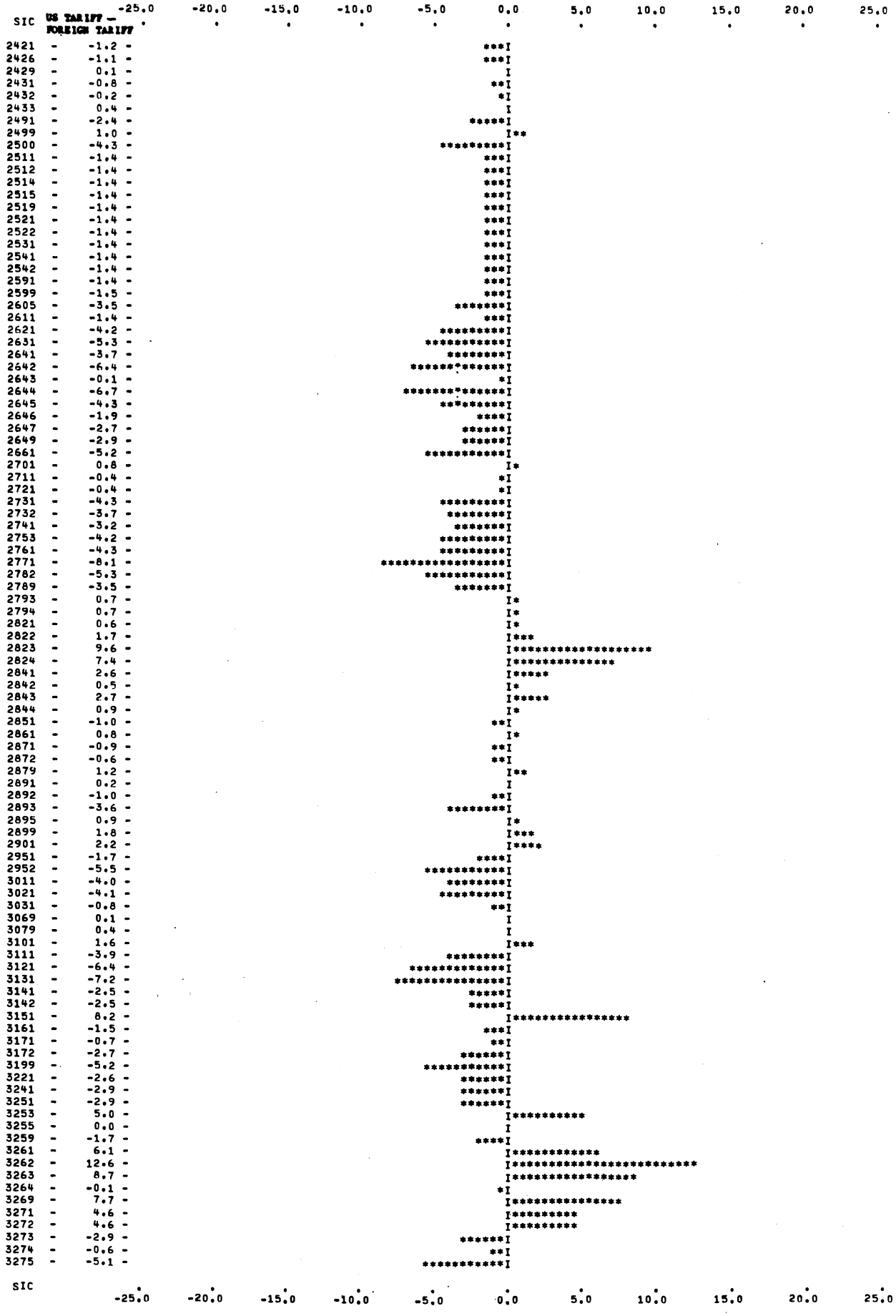


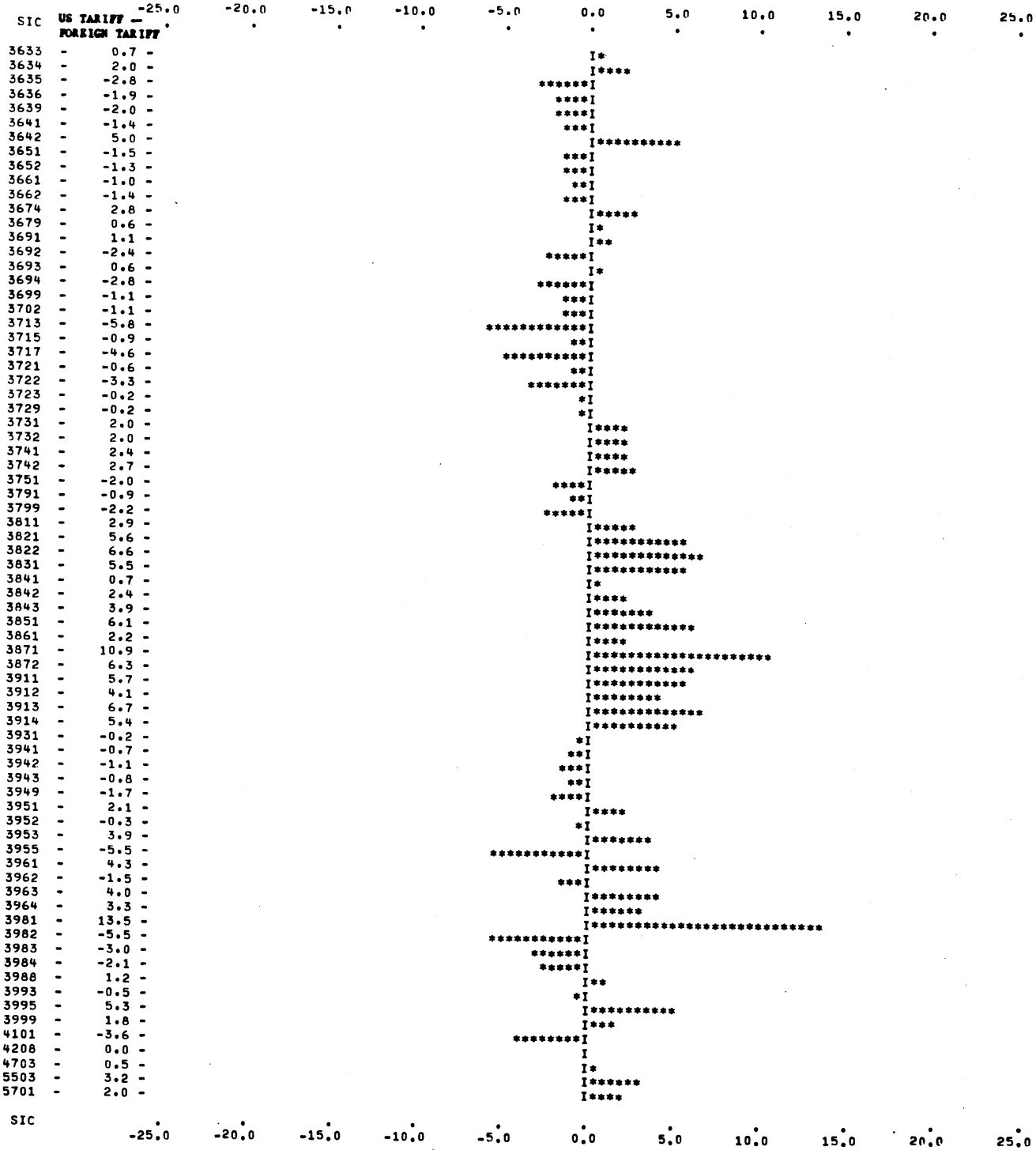
CHART 2--Cont.

Bar graph of differences between U.S. nominal tariff averages and foreign nominal tariff averages

SIC	US TARIFF — FOREIGN TARIFF	-25.0 -20.0 -15.0 -10.0 -5.0 0.0 5.0 10.0 15.0 20.0 25.0
3281	1.2	I**
3291	-1.2	***I
3292	-1.5	***I
3293	-1.2	***I
3295	1.5	I***
3296	-0.1	*I
3297	0.0	I
3299	-0.7	**I
3312	0.9	I*
3313	-0.9	**I
3315	-4.0	********I
3316	1.5	I***
3317	0.7	I*
3331	2.8	I*****
3332	0.9	I*
3333	3.8	I*******
3334	1.1	I**
3339	1.7	I***
3341	1.6	I***
3351	-0.7	**I
3352	-2.1	*****I
3356	3.1	I******
3357	-4.0	********I
3361	1.8	I***
3362	0.2	I
3369	-3.5	*******I
3391	-2.1	*****I
3392	1.5	I***
3399	0.6	I*
3411	-4.5	*********I
3421	5.4	I**********
3423	-0.8	**I
3425	-2.9	******I
3429	3.6	I********
3431	3.1	I******
3432	-1.7	****I
3433	-1.5	***I
3441	0.5	I*
3442	0.3	I
3443	-0.3	*I
3444	1.1	I**
3446	1.1	I**
3449	1.1	I**
3461	-5.0	**********I
3471	0.9	I*
3479	0.9	I*
3481	-3.1	*******I
3491	-4.5	*********I
3492	-2.2	*****I
3493	-3.8	********I
3496	-4.5	*********I
3497	2.1	I****
3499	-1.2	***I
3501	4.3	I********
3511	-0.7	**I
3519	-3.3	*******I
3522	-4.8	**********I
3531	-2.6	******I
3532	-1.3	***I
3533	-0.4	*I
3534	-3.7	********I
3535	-3.7	********I
3536	-3.7	********I
3537	-4.5	*********I
3541	-2.3	*****I
3542	-2.3	*****I
3548	-2.1	*****I
3551	-3.9	********I
3552	0.8	I*
3553	-3.2	*******I
3554	-0.4	*I
3555	0.5	I*
3559	-1.9	****I
3561	-3.4	*******I
3562	0.0	I
3564	-2.7	******I
3565	2.2	I****
3566	0.4	I
3567	-0.9	**I
3569	-1.4	***I
3571	-2.5	*****I
3572	-1.7	****I
3576	-1.1	***I
3579	0.5	I*
3581	0.0	I
3582	0.7	I*
3585	-4.3	*********I
3586	-2.6	******I
3589	-1.5	***I
3599	-1.7	****I
3611	-1.1	***I
3612	2.5	I*****
3613	-1.6	****I
3621	3.5	I********
3622	-1.7	****I
3623	-4.8	**********I
3624	-1.4	***I
3629	0.0	I
3631	-3.0	******I
3632	-4.4	*********I

CHART 2--Cont.

Bar graph of differences between U.S. nominal tariff averages and foreign nominal tariff averages



Source: The difference between the U.S. PKR nominal tariff rate and foreign PKR nominal tariff rate is found by subtracting column 10 from column 5 in table 3. Thus the bars represent differences between simply averaged U.S. and foreign tariffs. The reader must keep in mind the weaknesses of the concordance procedures used in arriving at these tariff rates.

Table 6.--Nominal tariff rates and non-tariff barrier indices for major trading areas by TC-SIC

TC-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) (SIMPLE AVERAGE)		GATT TARIFF AVERAGES (PERCENT) (IMPORT WTS. TO BIN)			(DOMTD. TO BIN)			NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES)		
		1965	1970	US	FOR-EIGN SIMP.	FOR-EIGN WTD.	US	FOR-EIGN SIMP.	FOR-EIGN WTD.	US	FOR-EIGN SIMP.	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12
2011	MEAT PACKING PLANTS----------(2011)-+ SAUSAGES & OTHER PREPARED MEATS-----(2013)----	7.7	5.6	3.7	5.5	5.2	5.8	5.9	5.7	1.8	3.8	1.5
2015	POULTRY DRESSING PLANTS----------(2015)----	9.6	11.2	6.9	9.4	8.5	9.8	9.3	9.6	0.6	5.4	2.5
2021	CREAMERY BUTTER----------(2021)----	9.3	1.8	10.3	11.2	8.5	24.3	11.2	8.5	20.0	11.7	7.3
2022	CHEESE, NATURAL & PROCESSED----------(2022)----	18.5	16.7	11.5	14.0	11.0	14.3	15.5	13.0	20.0	10.6	7.3
2023	CONDENSED & EVAPORATED MILK----------(2023)----	8.7	9.5	8.1	12.6	13.5	11.3	12.6	13.2	10.7	8.7	3.5
2024	ICE CREAM & FROZEN DESERTS----------(2024)----	******	20.0	**********			**********			**********		
2026	FLUID MILK----------(2026)----	9.1	15.4	3.7	11.7	11.5	12.8	13.6	14.4	3.3	8.1	3.9
2031	CANNED & CURED SEA FOODS----------(2031)----	10.1	7.7	3.3	10.9	11.0	6.0	12.1	11.7	0.0	7.3	1.4
2032	CANNED SPECIALTIES----------(2032)----	**********		9.6	16.6	17.1	12.6	17.2	18.2	2.2	6.1	2.4
2033	CANNED FRUITS & VEGETABLES----------(2033)----	16.3	12.5	9.4	16.3	17.7	15.1	16.9	18.2	1.1	7.1	3.1
2034	DEHYDRATED FRUITS & VEGETABLES------(2034)----	15.2	12.2	6.4	10.2	10.8	8.8	10.2	10.2	0.3	4.3	1.8
2035	PICKLES, SAUCES, & SALAD DRESSINGS----------(2035)----	13.8	12.3	10.1	13.7	14.4	9.5	12.5	12.7	0.0	4.1	1.7
2037	FROZEN FRUITS & VEGETABLES----------(2037)----	30.5	46.4	9.4	13.3	14.7	14.4	12.8	14.8	0.0	6.7	2.6
2041	FLOUR & OTHER GRAIN MILL PRODUCTS---(2041)-+ BLENDED & PREPARED FLOUR----------(2045)----	6.2	5.8	8.2	9.5	9.1	8.9	9.3	8.8	2.2	5.5	2.7
2042	PREPARED FEEDS FOR ANIMALS & FOWLS----------(2042)----	4.2	3.1	0.9	4.7	4.6	2.4	4.4	4.5	1.7	5.1	2.6
2043	CEREAL PREPARATIONS----------(2043)----	5.0	3.0	8.2	11.6	11.0	6.9	11.2	10.6	6.7	5.6	2.2
2044	RICE MILLING----------(2044)----	9.9	10.4	5.5	4.6	4.7	8.8	4.9	4.9	0.0	2.1	2.8
2046	WET CORN MILLING----------(2046)----	20.1	14.3	2.3	7.7	8.2	5.2	7.8	8.1	1.0	7.8	2.0
2051	BREAD, CAKE, & RELATED PRODUCTS-----(2051)-+ COOKIES & CRACKERS----------(2052)----	1.3	0.9	1.0	9.8	8.6	2.0	10.6	9.6	0.0	0.1	1.3
2061	CANE SUGAR, EXCLUDING REFINING------(2061)-+ CANE SUGAR REFINING----------(2062)-+ BEET SUGAR----------(2063)----	5.4	4.5	4.1	27.2	24.7	6.5	20.1	18.2	6.7	7.7	2.5
2071	CONFECTIONERY PRODUCTS----------(2071)-+ CHOCOLATE & COCOA PRODUCTS----------(2072)----	12.4	10.5	6.5	12.2	12.7	8.9	11.5	12.1	4.4	3.0	1.3
2073	CHEWING GUM----------(2073)----	11.9	9.9	3.4	11.0	11.6	9.0	9.8	10.3	6.7	3.0	1.3
2082	MALT LIQUORS----------(2082)-+ MALT----------(2083)----	15.5	9.7	5.3	9.6	10.3	5.7	9.4	10.5	0.8	0.7	2.1
2084	WINES, BRANDY, & BRANDY SPIRITS-----(2084)----	30.0	18.1	6.0	25.0	24.3	25.0	28.4	29.2	3.3	10.4	4.4
2085	DISTILLED LIQUOR, EXCEPT BRANDY-----(2085)----	37.8	29.7	4.8	18.8	17.1	10.0	17.9	19.2	1.7	7.3	2.9
2086	BOTTLED & CANNED SOFT DRINKS--------(2086)----	2.1	1.2	1.2	9.4	9.0	4.0	9.8	10.1	0.0	4.5	1.6
2087	FLAVORING EXTRACTS & SYRUPS, N.E.C.-(2087)----	20.8	17.8	9.2	17.3	17.3	12.9	18.0	19.4	3.3	7.1	2.8
2091	COTTONSEED OIL MILLS----------(2091)----	5.3	23.1	2.1	4.3	3.4	4.5	4.7	4.2	0.0	2.5	1.5
2092	SOYBEAN OIL MILLS----------(2092)----	**********		2.1	7.2	6.5	8.7	7.9	7.1	0.0	2.5	1.5
2093	VEGETABLE OIL MILLS, N.E.C.----------(2093)-+ SHORTENING & COOKING OILS----------(2096)----	5.2	5.6	6.2	9.9	9.3	10.4	9.9	9.8	0.4	4.1	2.5
2094	ANIMAL & MARINE FATS & OILS----------(2094)----	7.8	4.2	4.4	4.7	4.2	5.6	5.2	4.7	0.5	7.1	1.7
2095	ROASTED COFFEE----------(2095)----	0.6	1.5	0.0	8.0	9.9	2.1	11.6	12.5	1.7	2.5	1.1
2098	MACARONI & SPAGHETTI----------(2098)----	5.8	3.6	2.8	12.2	12.7	2.6	12.9	14.0	0.0	4.0	1.7
2099	MANUFACTURED ICE----------(2097)-+ FOOD PREPARATIONS, N.E.C.----------(2099)----	10.6	7.3	3.4	10.7	10.5	7.4	11.1	11.0	1.6	3.1	1.2
2111	CIGARETTES----------(2111)----	4.9	43.4	16.6	120.0	106.0	31.4	79.7	73.7	0.0	6.4	4.0
2121	CIGARS----------(2121)----	6.3	8.3	16.6	120.0	106.0	31.4	79.7	73.7	0.0	4.5	4.2
2131	CHEWING & SMOKING TOBACCO----------(2131)----	18.6	33.1	16.6	120.0	106.0	31.4	79.7	73.7	0.0	7.1	3.8
2211	BROAD WOVEN FABRIC MILLS, COTTON----(2211)-+ FINISHERS OF BROAD WOVEN FABRICS OF + COTTON----------(2261)----	21.4	16.6	14.4	14.7	15.6	19.2	15.4	16.1	4.0	6.6	2.0
2221	BROAD WOVEN FABRIC MILLS, MAN-MADE FIBER & SILK----------(2221)-+ FINISHERS OF BROAD WOVEN FABRICS OF + MAN-MADE FIBER & SILK----------(2262)----	25.2	25.0	20.8	14.3	15.5	18.1	14.2	14.7	0.7	3.1	0.8
2231	BROAD WOVEN FABRIC MILLS, WOOL: INCLUDING DYEING & FINISHING-------(2231)----	32.8	46.8	25.4	15.2	16.1	23.4	14.9	15.6	2.0	1.7	0.6
2241	NARROW FABRIC MILLS----------(2241)----	24.8	18.2	12.1	11.1	11.5	12.0	11.5	11.5	1.7	1.4	0.4
2251	WOMEN'S HOSIERY, EXCEPT SOCKS-------(2251)-+ HOSIERY, N.E.C.----------(2252)----	34.0	25.1	30.8	20.1	21.9	25.2	18.8	20.1	5.3	4.4	1.8
2253	KNIT OUTERWEAR MILLS----------(2253)-+ WOMEN'S & JUNIORS' OUTERWEAR, + N.E.C.----------(2339)----											
	GIRLS' & INFANTS' OUTERWEAR, N.E.C.-(2369)----	30.6	28.8	22.0	18.7	19.8	21.0	18.1	18.8	5.3	3.1	1.8
2256	KNIT FABRIC MILLS----------(2256)----	29.7	29.4	17.6	16.9	18.5	17.1	15.9	17.0	2.2	1.4	0.4
2271	WOVEN CARPETS & RUGS----------(2271)-+ TUFTED CARPETS & RUGS----------(2272)-+ CARPETS & RUGS, N.E.C.----------(2279)----	21.6	15.8	10.0	14.1	16.6	11.4	15.1	15.6	2.2	1.5	0.4
2281	YARN SPINNING MILLS----------(2281)----	15.8	12.0	13.7	10.3	10.0	15.5	9.8	9.1	1.0	0.7	0.1
2282	YARN THROWING, TWISTING, & WINDING MILLS----------(2282)----	26.2	19.4	10.6	8.8	7.6	13.2	8.5	7.2	0.5	0.1	0.1
2283	YARN MILLS, WOOL, INCLUDING CARPET & RUG YARN----------(2283)----	23.2	23.6	26.0	9.1	10.0	19.3	9.3	9.7	2.2	1.1	0.3
2284	THREAD MILLS----------(2284)----	14.5	18.1	14.7	9.0	8.0	16.1	8.8	7.7	0.7	0.5	0.1
2291	FELT GOODS, N.E.C.----------(2291)----	28.3	17.1	12.8	8.5	9.4	12.1	9.9	9.9	1.7	1.5	0.3
2292	LACE GOODS----------(2292)----	40.3	27.9	18.5	17.1	17.7	20.1	15.9	16.1	3.3	3.5	1.2
2293	PADDINGS & UPHOLSTERY FILLING-------(2293)----	12.0	11.1	5.0	3.7	4.0	7.9	3.4	4.1	1.1	0.7	0.2
2294	PROCESSED TEXTILE WASTE----------(2294)-+ SCOURING & COMBING PLANTS----------(2297)----	15.5	14.9	10.4	3.6	3.1	11.8	4.1	3.6	1.4	0.2	0.1
2295	COATED FABRICS, NOT RUBBERIZED------(2295)----	17.9	14.4	8.3	13.0	13.6	11.8	13.9	14.7	0.0	2.1	0.6
2296	TIRE CORD & FABRIC----------(2296)----	6.8	17.0	17.9	14.2	15.3	20.9	12.6	12.6	2.8	3.5	1.4
2298	CORDAGE & TWINE----------(2298)----	18.5	14.8	14.3	10.1	9.0	12.3	10.7	10.0	2.7	1.0	0.2
2299	TEXTILE GOODS, N.E.C.----------(2299)----	16.6	14.8	7.8	7.9	8.0	9.3	8.7	8.5	0.5	0.4	0.3
2311	MENS'S & BOYS' SUITS, COATS & OVERCOATS----------(2311)-+ MEN'S & BOYS' CLOTHING, N.E.C.------(2329)----	29.4	27.5	28.3	20.4	22.3	21.4	19.1	20.1	3.3	4.1	2.2
2321	KNIT UNDERWEAR MILLS----------(2254)-+ MEN'S & BOYS' SHIRTS, COLLARS & + NIGHTWEAR----------(2321)----	33.1	30.2	23.5	19.7	21.7	24.5	19.5	21.4	3.3	5.2	1.9

Table 6.--Nominal tariff rates and non-tariff barrier indices for major trading areas by TC-SIC--Cont.

TC-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) (SIMPLE AVERAGE) 1965	1970	GATT TARIFF AVERAGES (PERCENT) [illegible] US	FOR-EIGN SIMP.	FOR-EIGN WTD.	[illegible] US	FOR-EIGN SIMP.	FOR-EIGN WTD.	NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES) US	FOR-EIGN SIMP.	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12
2322	MEN'S & BOYS' UNDERWEAR----------(2322)----	22.1	24.7	23.5	19.7	21.7	24.5	13.5	21.4	3.3	[illegible]	1.9
2323	MEN'S & BOYS' NECKWEAR----------(2323)----	30.4	23.7	21.1	18.0	18.6	18.5	17.4	16.0	3.3	[illegible]	1.4
2327	MEN'S & BOYS' SEPARATE TROUSERS-----(2327)----	23.6	25.1	28.3	20.4	22.3	21.4	19.1	20.1	3.3	[illegible]	2.2
2326	MEN'S & BOYS' WORK CLOTHING---------(2328)----	28.3	29.2	22.5	19.1	21.3	20.2	16.7	20.2	3.3	[illegible]	1.4
2335	WOMEN'S & JUNIORS' BLOUSES, WAISTS, & SHIRTS----------(2331)-+											
	WOMEN'S & JUNIORS' DRESSES----------(2335)-+											
	GIRLS', & INFANTS' DRESSES, BLOUSES, + WAISTS & SHIRTS----------(2361)----	32.4	32.8	24.0	20.2	21.8	22.5	19.3	20.5	3.3	[illegible]	2.1
2337	WOMEN'S & JUNIORS' SUITS, SKIRTS, & COATS----------(2337)-+											
	GIRLS' & INFANTS' COATS & SUITS-----(2363)----	26.3	27.6	25.1	20.6	22.4	20.7	19.2	20.3	3.3	[illegible]	2.5
2341	WOMEN'S, CHILDRENS' & INFANTS' UNDERWEAR & NIGHTWEAR----------(2341)----	28.9	30.1	22.9	19.8	21.2	24.4	19.4	20.7	3.3	[illegible]	1.9
2342	CORSETS & ALLIED GARMENTS----------(2342)----	23.0	23.8	12.6	15.0	15.8	11.7	14.3	15.3	1.7	[illegible]	0.4
2351	MILLINERY----------(2351)-+											
	HATS & CAPS, EXCEPT MILLINERY-------(2352)----	25.3	22.8	18.5	13.6	13.4	20.1	14.0	13.8	3.3	[illegible]	0.4
2371	FUR GOODS----------(2371)----	25.0	17.2	9.6	15.8	15.2	10.5	16.0	16.0	1.7	[illegible]	0.2
2361	KNITTING MILLS, N.E.C.----------(2259)-+											
	DRESS & WORK GLOVES, EXCEPT KNIT & + ALL-LEATHER----------(2381)----	28.3	27.6	21.9	15.4	16.1	24.0	14.7	14.9	1.7	[illegible]	0.5
2384	ROBES & DRESSING GOWNS----------(2384)----	25.0	26.5	24.6	20.2	22.1	20.4	19.1	19.9	3.3	[illegible]	2.2
2385	RAINCOATS & OTHER WATERPROOF OUTER GARMENTS----------(2385)----	23.3	20.6	20.9	18.4	20.1	18.1	16.6	17.4	2.5	[illegible]	1.7
2386	LEATHER & SHEEP LINED CLOTHING------(2386)----	13.0	8.7	14.0	17.4	17.6	17.8	17.1	16.9	0.0	[illegible]	0.0
2387	APPAREL BELTS----------(2387)-+											
	APPAREL & ACCESSORIES, N.E.C.--------(2389)----	23.0	18.7	18.5	17.2	18.0	18.6	16.6	16.9	2.7	[illegible]	0.6
2391	CURTAINS & DRAPERIES----------(2391)-+											
	HOUSEFURNISHINGS, N.E.C.------------(2392)----	23.0	17.8	14.5	14.7	15.5	14.0	14.7	14.8	2.5	[illegible]	0.8
2393	TEXTILE BAGS----------(2393)----	19.1	13.8	4.6	12.1	14.6	16.4	14.8	15.4	3.3	[illegible]	0.8
2394	CANVAS PRODUCTS----------(2394)----	**********		0.0	16.3	18.3	12.8	14.9	16.8	3.3	[illegible]	0.8
2396	PLEATING & STITCHING----------(2395)-+											
	AUTOMOTIVE & APPAREL TRIMMINGS------(2396)-+											
	SCHIFFLI MACHINE EMBROIDERIES--------(2397)----	40.7	25.2	13.7	15.4	15.5	15.4	15.1	15.2	3.3	[illegible]	1.9
2399	FABRICATED TEXTILE PRODUCTS, N.E.C.-(2399)----	26.0	18.6	15.6	13.9	14.4	15.6	13.2	13.4	1.7	[illegible]	0.5
2411	LOGGING CAMPS & LOGGING CONTRACTORS----------(2411)-+											
	WOOD PRESERVING----------(2491)----	0.9	0.8	0.0	1.6	1.1	0.9	2.7	2.6	0.	[illegible]	[illegible]
2421	SAWMILLS & PLANING MILLS, GENERAL---(2421)----	1.7	0.3	0.0	2.1	1.5	0.5	3.0	2.5	0.0	[illegible]	0.0
2426	HARDWOOD DIMENSION & FLOORING-------(2426)----	11.9	6.8	2.0	6.0	5.7	4.9	6.2	6.0	0.0	[illegible]	0.0
2429	SPECIAL PRODUCT SAWMILLS, N.E.C.-----(2429)----	5.5	2.8	2.5	4.7	4.7	4.1	4.7	4.6	0.0	[illegible]	0.0
2431	MILLWORK----------(2431)-+											
	PREFABRICATED WOOD STRUCTURES--------(2433)----	13.3	9.8	4.6	9.8	9.6	7.8	9.1	8.9	0.0	[illegible]	0.0
2432	VENEER & PLYWOOD----------(2432)----	17.9	13.7	9.8	8.4	8.2	10.2	9.9	9.7	0.0	[illegible]	0.1
2441	NAILED WOODEN BOXES & SHOOK---------(2441)-+											
	WIREBOUND BOXES & CRATES------------(2442)-+											
	VENEER & PLYWOOD CONTAINERS, EXCEPT + EXCEPT BOXES & CRATES----------(2443)----	17.4	10.1	8.5	12.0	12.6	10.6	12.1	12.9	0.0	[illegible]	0.1
2445	COOPERAGE----------(2445)----	6.0	8.2	2.3	5.5	7.1	6.1	5.9	6.5	0.0	[illegible]	0.0
2499	WOOD PRODUCTS, N.E.C.----------(2499)----	17.2	11.6	6.3	7.9	7.8	9.1	8.3	9.2	0.0	[illegible]	0.1
2511	WOOD HOUSEHOLD FURNITURE------------(2511)-+											
	UPHOLSTERED HOUSEHOLD FURNITURE-----(2512)-+											
	METAL HOUSEHOLD FURNITURE-----------(2514)-+											
	MATTRESSES & BEDSPRINGS-------------(2515)-+											
	HOUSEHOLD FURNITURE, N.E.C.----------(2519)-+											
	WOOD OFFICE FURNITURE----------(2521)-+											
	METAL OFFICE FURNITURE---------------(2522)-+											
	PUBLIC BUILDING FURNITURE-----------(2531)-+											
	WOOD PARTITIONS & FIXTURES----------(2541)-+											
	METAL PARTITIONS & FIXTURES---------(2542)-+											
	FURNITURE & FIXTURES, N.E.C.---------(2599)----	16.8	12.8	7.7	10.3	10.5	8.8	10.8	10.5	0.0	[illegible]	0.3
2591	VENETIAN BLINDS & SHADES----------(2591)----	**********		9.0	9.8	10.2	9.4	9.6	9.8	3.3	[illegible]	2.0
2611	PULP MILLS----------(2611)----	0.0	0.0	1.0	2.0	1.9	0.9	2.4	2.1	0.0	[illegible]	0.0
2621	PAPER MILLS, EXCEPT BUILDING PAPER----------(2621)----	9.9	5.9	3.0	10.5	10.0	5.5	10.4	9.7	0.0	[illegible]	0.1
2631	PAPERBOARD MILLS----------(2631)----	7.4	4.0	2.6	11.2	11.5	5.1	10.8	10.5	0.0	[illegible]	0.0
2641	PAPER COATING & GLAZING-------------(2641)----	10.4	7.7	8.3	13.3	13.6	9.5	11.6	11.8	0.7	[illegible]	0.1
2642	ENVELOPES----------(2642)----	17.0	10.9	6.7	13.7	15.2	6.8	13.0	14.1	0.0	[illegible]	0.0
2643	BAGS, EXCEPT TEXTILE BAGS-----------(2643)-+											
	DIE CUT PAPER & BOARD---------------(2645)-+											
	SANITARY PAPER PRODUCTS-------------(2647)-+											
	CONVERTED PAPER PRODUCTS, N.E.C.-----(2649)-+											
	SANITARY FOOD CONTAINERS------------(2654)-+											
	FIBER CANS, TUBES, DRUMS & SIMILAR + PRODUCTS----------(2655)-+											
	MANIFOLD BUSINESS FORMS-------------(2761)----	14.8	8.9	9.0	12.0	12.6	9.2	11.7	12.2	0.	[illegible]	0.0
2644	WALLPAPER----------(2644)----	10.6	7.0	5.0	10.7	12.4	5.2	11.0	12.6	0.0	[illegible]	0.0
2646	PRESSED & MOLDED PULP GOODS---------(2646)----	9.2	6.5	6.5	13.6	14.4	7.9	9.8	10.6	0.0	[illegible]	0.0
2651	FOLDING PAPERBOARD BOXES------------(2651)-+											
	SET-UP PAPERBOARD BOXES-------------(2652)-+											
	CORRUGATED & SOLID FIBER BOXES------(2653)----	11.6	8.0	7.2	12.9	14.3	6.8	12.0	13.2	0.	[illegible]	0.0
2661	BUILDING PAPER & BOARD MILLS--------(2661)----	13.8	15.3	3.0	12.2	11.5	6.3	11.3	10.3	0.0	[illegible]	0.0
2711	NEWSPAPERS----------(2711)----	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.4	3.3	[illegible]	0.6
2721	PERIODICALS----------(2721)----	1.9	0.0	0.0	0.2	0.3	0.5	0.3	0.4	3.3	[illegible]	0.7
2731	BOOK PUBLISHING----------(2731)----	2.5	0.8	0.8	3.7	4.5	1.1	2.2	2.7	3.3	[illegible]	0.5
2741	MISCELLANEOUS PUBLISHING------------(2741)-+											
	COMMERCIAL PRINTING, EXCEPT + LITHOGRAPHIC----------(2751)-+											
	COMMERCIAL PRINTING, LITHOGRAPHIC---(2752)----	9.6	6.5	4.2	8.4	9.3	4.2	7.5	8.5	0.5	[illegible]	0.1

Table 6.--Nominal tariff rates and non-tariff barrier indices for major trading areas by TC-SIC--Cont.

TC-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) (SIMPLE AVERAGE) 1965	1976	GATT TARIFF AVERAGES (PERCENT) (IMPORT WTD. BY U.S.) US	FOR-EIGN SIMP.	FOR-EIGN WTD.	(EXPORT WTD. BY U.S.) US	FOR-EIGN SIMP.	FOR-EIGN WTD.	NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES) US	FOR-EIGN SIMP.	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12
2753	ENGRAVING & PLATE PRINTING----------(2758)-+											
	PHOTOENGRAVING----------(2793)-+											
	ELECTROTYPING & STEREOTYPING---------(2794)----	10.2	6.9	1.6	6.3	5.6	6.4	5.6	5.8	0.0	0.1	0.0
2771	GREETING CARD PUBLISHING------------(2771)----	13.3	8.5	7.2	12.1	14.4	4.6	10.8	13.9	0.0	0.1	0.0
2782	BLANKBOOKS & LOOSELEAF BINDERS-------(2782)----	14.0	9.5	6.8	10.5	11.4	5.8	9.6	10.8	0.0	0.1	0.0
2812	ALKALIES & CHLORINE-----------------(2812)----	6.3	4.7	3.9	9.1	9.5	4.2	7.8	7.5	0.0	0.1	0.1
2813	INDUSTRIAL GASES--------------------(2813)----	8.5	7.1	1.9	4.5	4.6	4.8	4.6	4.1	0.0	0.1	0.0
2815	CYCLIC INTERMEDIATES, DYES, ORGANIC PIGMENTS & CYCLIC CRUDES----------(2815)----	13.1	9.6	9.6	9.6	8.7	13.4	9.0	8.3	0.2	0.1	0.1
2816	INORGANIC PIGMENTS------------------(2816)----	11.2	8.2	6.1	7.1	6.8	6.9	6.9	6.4	0.0	0.1	0.0
2818	INDUSTRIAL ORGANIC CHEMICALS, N.E.C.----------(2818)-+											
	AGRICULTURAL CHEMICALS, N.E.C.-------(2879)----	16.5	10.8	6.7	9.8	9.6	10.0	9.1	8.7	0.3	0.1	0.3
2819	INDUSTRIAL INORGANIC CHEMICALS, N.E.C.----------(2819)----	10.9	7.4	3.8	6.0	5.8	5.0	6.2	5.8	0.0	0.1	0.0
2822	SYNTHETIC RUBBER--------------------(2822)----	9.1	6.3	7.3	6.5	6.6	9.3	6.5	6.8	0.0	0.1	0.0
2823	CELLULOSIC MAN-MADE FIBERS----------(2823)----	28.1	22.8	12.6	9.8	8.6	16.3	9.3	9.3	0.0	0.1	0.0
2824	ORGANIC FIBERS, NONCELLULOSIC-------(2824)----	23.5	16.1	12.6	9.8	8.6	16.3	9.3	8.3	0.7	0.1	0.0
2831	BIOLOGICAL PRODUCTS-----------------(2831)----	12.8	4.9	1.9	6.1	5.8	5.2	5.8	5.5	0.0	0.1	0.3
2833	MEDICINAL CHEMICALS & BOTANICAL PRODUCTS----------(2833)----	15.4	9.2	4.6	8.4	7.8	8.4	8.3	7.8	0.0	0.1	0.2
2834	PHARMACEUTICAL PREPARATIONS---------(2834)----	7.3	4.0	5.0	9.2	9.1	11.0	9.9	10.4	0.0	0.1	0.0
2841	SOAP & OTHER DETERGENTS-------------(2841)----	10.1	8.4	4.2	9.1	9.9	6.1	8.6	9.0	0.0	0.1	0.1
2842	POLISHES & SANITATION GOODS---------(2842)----	6.8	2.8	4.3	7.6	8.0	6.4	7.5	7.5	0.0	0.1	0.0
2843	SURFACE ACTIVE AGENTS---------------(2843)----	16.7	10.8	3.8	4.8	5.6	4.0	5.0	4.9	0.0	0.1	0.0
2844	TOILET PREPARATIONS-----------------(2844)----	16.9	12.1	3.3	5.7	5.8	6.7	6.5	6.3	0.0	0.1	0.0
2851	PAINTS & ALLIED PRODUCTS------------(2851)----	8.5	5.7	4.2	7.3	8.2	6.6	7.1	7.8	0.0	0.1	0.0
2861	GUM & WOOD CHEMICALS----------------(2861)----	3.9	3.1	3.6	2.6	2.5	4.3	3.0	3.0	0.0	0.1	0.0
2871	FERTILIZERS----------(2871)-+											
	FERTILIZERS, MIXING ONLY------------(2872)----	0.0	0.0	0.0	1.5	1.2	0.6	2.4	1.8	0.0	0.1	0.1
2891	ADHESIVES & GELATIN-----------------(2891)----	15.3	10.5	2.5	7.5	7.6	5.1	7.3	7.6	0.0	0.1	0.7
2892	EXPLOSIVES--------------------------(2892)----	6.9	3.3	7.4	7.0	8.1	6.7	8.8	8.8	0.0	0.1	0.0
2893	PRINTING INK------------------------(2893)----	3.0	2.0	1.6	9.4	9.9	4.3	8.4	8.3	0.0	0.1	0.0
2895	CARBON BLACK------------------------(2895)----	7.4	2.0	0.0	4.2	2.8	1.7	4.2	2.8	0.0	0.1	0.0
2899	CHEMICAL PREPARATIONS, N.E.C.-------(2899)----	8.4	5.3	5.0	7.6	8.0	7.2	7.3	7.3	0.2	0.1	0.2
2911	PETROLEUM REFINING----------(2911)-+											
	LUBRICATING OILS & GREASES----------(2992)----	4.0	3.6	2.8	5.2	5.3	4.7	6.2	6.0	0.8	0.1	0.6
2951	PAVING MIXTURES & BLOCKS------------(2951)----	**********		0.3	3.0	3.3	1.4	2.9	3.3	0.0	0.1	0.0
2952	ASPHALT FELTS & COATINGS------------(2952)----	5.0	2.0	5.7	8.3	8.3	6.0	7.6	7.5	0.8	0.1	0.1
2999	PRODUCTS OF PETROLEUM & COAL, N.E.C.----------(2999)----	7.5	5.0	2.8	4.1	4.5	3.8	3.0	3.2	0.0	0.1	0.7
3011	TIRES & INNER TUBES-----------------(3011)----	8.7	6.1	7.1	10.8	11.4	6.6	9.7	9.9	0.0	0.1	0.0
3021	RUBBER FOOTWEAR---------------------(3021)----	17.4	18.2	12.5	16.7	20.0	14.9	18.0	20.6	0.0	1.7	0.5
3031	RECLAIMED RUBBER--------------------(3031)----	0.0	0.0	5.0	4.7	4.2	2.5	4.0	3.3	0.0	0.1	0.0
3069	PLASTICS MATERIALS & RESINS---------(2821)-+											
	FABRICATED RUBBER PRODUCTS, N.E.C.---(3069)-+											
	MISCELLANEOUS PLASTICS PRODUCTS-----(3079)----	16.8	11.5	8.6	10.5	11.3	10.4	10.0	10.6	0.5	0.1	0.1
3111	LEATHER TANNING & FINISHING---------(3111)----	9.8	7.1	5.0	10.4	9.6	5.2	10.3	9.4	0.0	0.7	0.4
3121	INDUSTRIAL LEATHER BELTING----------(3121)-+											
	LEATHER GOODS, N.E.C.---------------(3199)----	11.8	7.6	6.9	12.0	13.3	6.8	12.0	13.3	0.0	0.2	0.0
3131	FOOTWEAR CUT STOCK------------------(3131)----	9.1	6.0	4.7	11.5	12.7	5.2	11.8	13.5	0.0	0.2	0.0
3141	SHOES, EXCEPT RUBBER----------(3141)-+											
	HOUSE SLIPPERS----------(3142)----	14.9	12.4	7.8	12.8	13.9	8.4	13.4	14.1	0.0	0.7	0.3
3151	LEATHER GLOVES & MITTENS------------(3151)----	23.9	26.3	18.3	16.8	17.5	23.4	16.5	16.1	0.0	0.1	0.0
3161	LUGGAGE----------(3161)----	32.4	19.2	15.7	12.7	14.6	12.8	13.8	15.5	0.0	0.1	0.2
3171	WOMEN'S HANDBAGS & PURSES-----------(3171)----	24.8	18.3	14.6	13.3	14.3	12.9	13.7	14.6	0.0	0.1	0.2
3172	PERSONAL LEATHER GOODS--------------(3172)----	21.0	16.0	9.5	11.7	12.9	9.5	13.0	13.8	0.0	0.1	0.1
3211	FLAT GLASS----------(3211)-+											
	PRESSED & BLOWN GLASS & GLASSWARE, N.E.C.----------(3229)-+											
	GLASS PRODUCTS, MADE OF PURCHASED GLASS----------(3231)----	24.8	16.3	13.4	9.8	9.9	13.5	9.8	9.5	0.0	0.1	0.2
3221	GLASS CONTAINERS--------------------(3221)----	13.2	8.9	7.8	11.5	13.2	7.2	9.9	10.9	0.0	0.1	0.6
3241	CEMENT, HYDRAULIC-------------------(3241)----	3.1	1.4	0.0	3.7	3.1	0.4	3.7	3.3	0.0	0.1	0.0
3251	BRICK & STRUCTURAL CLAY TILE--------(3251)-+											
	STRUCTURAL CLAY PRODUCTS, N.E.C.----(3259)----	21.4	8.3	6.1	8.1	8.9	6.0	8.3	9.0	0.0	0.1	0.0
3253	CERAMIC WALL & FLOOR TILE-----------(3253)----	24.0	23.9	23.8	11.2	12.8	23.9	11.3	12.7	1.7	0.1	0.8
3255	CLAY REFRACTORIES----------(3255)-+											
	NONCLAY REFRACTORIES----------(3297)----	15.3	9.4	6.2	6.3	6.2	6.1	6.6	6.2	0.0	0.1	0.1
3261	VITREOUS PLUMBING FIXTURES----------(3261)----	30.0	20.0	15.3	12.8	14.7	18.6	11.7	13.0	0.0	0.1	0.7
3262	VITREOUS CHINA FOOD UTENSILS--------(3262)----	48.1	38.2	43.6	13.5	18.0	28.7	13.8	17.2	0.0	0.1	1.9
3263	FINE EARTHENWARE FOOD UTENSILS------(3263)----	31.3	22.2	15.7	12.5	15.6	22.3	12.2	14.7	0.0	0.1	1.5
3264	PORCELAIN ELECTRICAL SUPPLIES--------(3264)----	23.3	14.6	10.4	10.2	10.4	8.5	9.1	9.2	0.0	0.1	0.4
3269	POTTERY PRODUCTS, N.E.C.------------(3269)----	23.9	16.7	20.7	12.0	14.3	20.3	11.7	13.4	0.0	0.1	0.8
3271	CONCRETE BLOCK & BRICK----------(3271)-+											
	CONCRETE PRODUCTS, N.E.C.-----------(3272)----	20.3	15.2	20.2	8.2	9.2	12.2	7.2	7.9	0.0	0.1	0.0
3274	LIME----------(3274)----	6.4	3.7	3.9	2.8	2.9	3.3	3.3	3.8	0.0	0.1	0.0
3275	GYPSUM PRODUCTS---------------------(3275)----	12.2	69.3	1.7	6.4	6.6	2.0	6.9	7.3	0.0	0.1	0.0
3281	CUT STONE & STONE PRODUCTS----------(3281)----	18.3	12.5	5.5	6.3	6.3	6.7	8.0	7.7	0.0	0.1	0.0
3291	ABRASIVE PRODUCTS-------------------(3291)----	7.6	5.0	3.8	6.3	6.1	4.9	6.6	6.4	0.0	0.1	0.0
3292	ASBESTOS PRODUCTS----------(3292)-+											
	GASKETS & INSULATIONS---------------(3293)----	5.8	3.9	4.5	8.0	8.1	6.6	7.6	7.8	0.0	0.1	0.0
3295	MINERALS, GROUND OR TREATED---------(3295)----	13.0	3.8	6.6	3.4	2.6	4.8	4.2	3.7	0.0	0.1	0.0
3296	MINERAL WOOL------------------------(3296)----	16.9	8.3	9.1	11.5	12.7	10.8	10.3	11.1	0.0	0.1	0.0
3299	NONMETALLIC MINERAL PRODUCTS, N.E.C.----------(3299)----	14.3	10.4	6.9	6.8	7.1	7.0	6.8	6.9	0.0	0.1	0.0
3312	BLAST FURNACES & STEEL MILLS--------(3312)-+											
	ELECTROMETALLURGICAL PRODUCTS-------(3313)-+											
	COLD FINISHING OF STEEL SHAPES------(3316)-+											
	STEEL PIPE & TUBES------------------(3317)----	9.0	7.5	5.8	6.8	6.0	6.5	6.9	6.0	0.1	0.1	0.1

Table 6.--Nominal tariff rates and non-tariff barrier indices for major trading areas by TC-SIC--Cont.

TC-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) (SIMPLE AVERAGE) 1965	1970	GATT TARIFF AVERAGES (PERCENT) (IMPORT WTD. AVG.) US	FOR-EIGN SIMP.	FOR-EIGN WTD.	(EXPORT WTD. AVG.) US	FOR-EIGN SIMP.	FOR-EIGN WTD.	NON-TARIFF BARRIER INDICES (% OF TOTAL POSSIBILITIES) US	FOR-EIG SIMP.	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12
3315	STEEL WIRE & RELATED PRODUCTS-------(3315)-+											
	MISCELLANEOUS FABRICATED WIRE +											
	PRODUCTS----------(3481)----	12.2	8.9	6.0	10.0	9.9	7.3	10.2	9.8	0.0	0.1	0.1
3321	GRAY IRON FOUNDRIES----------(3321)----	7.8	6.3	6.5	9.3	9.0	7.0	9.3	8.7	0.0	0.	0.0
3322	MALLEABLE IRON FOUNDRIES----------(3322)----	6.5	4.2	6.0	9.4	9.4	8.2	9.8	9.4	0.0	0.	0.0
3323	STEEL FOUNDRIES----------(3323)-+											
	ALUMINUM CASTINGS----------(3361)-+											
	BRASS, BRONZE, & COPPER CASTINGS----(3362)-+											
	NONFERROUS CASTINGS, N.E.C.----------(3369)-+											
	NONFERROUS FORGINGS----------(3392)-+											
	FABRICATED METAL PRODUCTS, N.E.C.---(3499)----	13.3	9.6	6.9	9.6	9.5	8.8	9.5	9.4	0.0	0.	0.1
3331	PRIMARY COPPER----------(3331)----	4.5	3.0	3.0	1.0	0.7	4.5	3.0	2.1	0.0	0.1	0.0
3332	PRIMARY LEAD----------(3332)----	1.5	3.4	3.7	4.4	4.5	6.2	5.2	5.4	0.0	0.	0.1
3333	PRIMARY ZINC----------(3333)----	9.8	8.6	2.6	5.0	4.2	8.4	4.4	3.6	0.0	0.	0.2
3334	PRIMARY ALUMINUM----------(3334)----	5.9	3.6	4.6	5.3	4.7	4.5	3.5	3.3	0.0	0.	0.0
3339	PRIMARY NONFERROUS METALS, N.E.C.---(3339)----	8.7	5.0	4.3	2.9	2.3	6.6	4.0	3.4	0.0	0.	0.0
3351	COPPER ROLLING & DRAWING----------(3351)----	12.7	9.1	3.6	10.1	9.1	8.2	10.5	9.3	0.0	0.	0.0
3352	ALUMINUM ROLLING & DRAWING----------(3352)----	12.6	8.1	7.1	11.4	11.4	7.3	11.0	10.8	0.0	0.	0.0
3356	NONFERROUS ROLLING & DRAWING,											
	N.E.C.----------(3356)----	12.9	8.7	6.7	6.1	5.6	8.8	7.1	6.4	0.0	0.	0.0
3357	NONFERROUS WIRE, DRAWING &											
	INSULATING----------(3357)----	15.9	7.1	5.8	11.8	11.9	7.2	11.5	11.6	0.0	0.	0.0
3391	IRON & STEEL FORGINGS----------(3391)----	5.2	3.3	5.4	8.7	8.4	5.9	9.3	8.7	0.0	0.	0.0
3399	PRIMARY METAL PRODUCTS, N.E.C.------(3399)----	9.2	8.2	6.9	6.6	5.8	7.5	7.2	6.4	0.0	0.	0.0
3411	METAL CANS----------(3411)-+											
	METAL BARRELS, DRUMS, & PAILS-------(3491)-+											
	COLLAPSIBLE TUBES----------(3496)----	14.0	9.3	6.6	11.0	12.5	6.5	10.9	12.1	0.0	0.	0.0
3421	CUTLERY----------(3421)----	34.5	23.8	12.9	11.0	11.1	16.3	12.0	11.5	0.0	0.	0.1
3423	HAND & EDGE TOOLS, N.E.C.----------(3423)----	14.0	9.7	8.6	9.6	9.9	8.0	9.6	9.4	0.0	0.	0.0
3425	HAND SAWS & SAW BLADES----------(3425)----	12.4	7.9	4.2	8.1	7.5	6.4	9.5	9.5	0.0	0.	0.0
3429	HARDWARE, N.E.C.----------(3429)----	22.2	14.1	13.4	13.7	13.9	14.2	13.4	13.6	0.0	0.	0.2
3431	METAL SANITARY WARE----------(3431)----	**********		6.7	11.4	12.3	7.7	11.8	12.2	0.0	0.	0.0
3432	PLUMBING FITTINGS & BRASS GOODS-----(3432)----	16.5	11.2	7.6	11.5	12.1	8.3	11.0	11.3	0.0	0.	0.0
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC--(3433)----	10.7	7.2	5.0	9.7	10.4	6.5	9.1	9.5	0.0	0.	0.0
3441	FABRICATED STRUCTURAL STEEL---------(3441)-+											
	METAL DOORS, SASH, & TRIM----------(3442)-+											
	MISCELLANEOUS METALWORK----------(3449)----	11.5	7.9	4.6	6.6	7.0	8.9	8.2	7.8	0.0	0.	0.0
3443	FABRICATED PLATE WORK (BOILER											
	SHOPS)----------(3443)----	11.5	8.3	5.1	8.3	8.4	6.3	8.5	8.3	0.0	0.	0.0
3444	SHEET METALWORK----------(3444)----	**********		4.9	7.6	7.9	8.1	8.4	7.7	0.0	0.	0.0
3446	ARCHITECTURAL METALWORK----------(3446)----	**********		4.4	6.6	7.1	8.1	7.8	7.3	0.0	0.	0.0
3452	BOLTS, NUTS, SCREWS, RIVETS, &											
	WASHERS----------(3452)----	13.4	9.3	5.8	9.6	10.0	7.6	9.2	9.5	0.0	0.	0.0
3461	METAL STAMPINGS----------(3461)----	7.8	4.9	6.4	10.1	10.8	7.3	10.2	10.6	0.0	0.	0.0
3492	SAFES & VAULTS----------(3492)----	19.0	13.0	9.5	10.8	12.6	9.5	10.8	12.6	0.0	0.	0.0
3493	STEEL SPRINGS----------(3493)----	5.6	2.7	6.6	7.6	7.4	6.2	10.6	9.8	0.0	0.	0.0
3494	VALVES & PIPE FITTINGS----------(3494)----	14.6	7.4	7.6	10.4	10.2	8.1	9.4	8.9	0.0	0.	0.1
3497	METAL FOIL & LEAF----------(3497)----	65.1	9.2	7.0	7.1	6.7	9.2	7.5	6.8	0.0	0.	0.1
3511	STEAM ENGINES & TURBINES----------(3511)----	15.4	18.6	6.0	7.7	7.2	7.6	8.6	8.0	0.0	0.	0.0
3519	INTERNAL COMBUSTION ENGINES,											
	N.E.C.----------(3519)----	6.2	3.6	4.2	7.5	6.3	4.7	9.5	8.2	0.0	0.	0.0
3522	FARM MACHINERY----------(3522)----	2.2	1.5	2.7	7.0	6.5	3.3	7.7	7.5	0.0	0.	0.0
3531	CONSTRUCTION MACHINERY----------(3531)----	9.5	5.4	3.7	8.1	8.1	4.5	8.1	7.8	0.0	0.	0.3
3532	MINING MACHINERY----------(3532)----	9.9	7.0	6.5	7.8	8.2	5.7	7.5	7.4	0.0	0.	0.0
3533	OIL FIELD MACHINERY----------(3533)----	30.0	20.7	6.3	8.4	8.7	5.9	8.1	7.9	0.0	0.	0.3
3534	ELEVATORS & MOVING STAIRWAYS--------(3534)----	10.4	7.0	5.0	7.5	8.1	2.5	7.1	6.6	0.0	0.	0.0
3535	CONVEYERS & CONVEYING EQUIPMENT-----(3535)----	10.5	7.0	5.0	7.5	8.1	2.5	7.1	6.6	0.0	0.	0.0
3536	HOISTS, CRANES, & MONORAILS----------(3536)----	5.2	4.6	5.0	7.5	8.1	2.5	7.1	6.6	0.0	0.	0.0
3537	INDUSTRIAL TRUCKS & TRACTORS--------(3537)----	7.9	6.6	5.8	10.0	10.0	5.0	9.3	8.7	0.0	0.	0.0
3541	MACHINE TOOLS, METAL CUTTING TYPES--(3541)----	14.1	7.9	7.0	9.4	9.9	6.6	9.5	9.3	0.0	0.	0.0
3542	MACHINE TOOLS, METAL FORMING TYPES--(3542)----	13.9	9.9	6.2	8.6	9.0	5.9	8.9	8.8	0.0	0.	0.0
3544	SPECIAL DIES & TOOLS, DIE SETS------(3544)-+											
	MACHINE TOOL ACCESSORIES & +											
	MEASURING DEVICES----------(3545)----	16.7	14.3	9.0	8.4	8.2	8.6	8.9	8.4	0.0	0.	0.0
3548	METALWORKING MACHINERY, N.E.C.-------(3548)----	12.8	8.7	6.8	9.0	9.5	9.0	9.5	9.3	0.0	0.	0.0
3551	FOOD PRODUCTS MACHINERY----------(3551)----	10.1	6.8	5.1	8.5	8.8	4.7	8.1	8.2	0.0	0.	0.1
3552	TEXTILE MACHINERY----------(3552)----	15.3	10.0	6.7	6.2	5.7	6.9	6.8	6.3	0.0	0.	0.0
3553	WOODWORKING MACHINERY----------(3553)----	9.2	5.7	5.6	9.5	10.1	5.9	9.2	9.6	0.0	0.	0.0
3554	PAPER INDUSTRIES MACHINERY----------(3554)----	11.0	7.4	5.1	7.7	7.8	5.4	7.4	7.3	0.0	0.	0.0
3555	PRINTING TRADES MACHINERY----------(3555)----	10.5	9.2	5.0	7.5	7.0	7.8	7.9	7.6	0.0	0.	0.0
3559	SPECIAL INDUSTRY MACHINERY, N.E.C.--(3559)----	10.1	6.3	5.6	7.2	7.4	5.6	7.1	7.0	0.0	0.	0.0
3561	PUMPS & COMPRESSORS----------(3561)----	9.1	4.7	4.5	8.6	8.7	4.9	8.6	8.5	0.0	0.	0.0
3562	BALL & ROLLER BEARINGS----------(3562)----	13.1	8.4	8.2	8.4	7.3	7.6	8.6	7.5	0.0	0.	0.0
3564	BLOWERS & FANS----------(3564)----	8.6	4.5	5.0	9.4	9.9	4.1	8.4	8.2	0.0	0.	0.0
3566	POWER TRANSMISSION EQUIPMENT--------(3566)----	19.8	12.6	7.0	9.2	9.5	8.4	8.9	8.7	0.0	0.	0.1
3567	INDUSTRIAL FURNACES & OVENS---------(3567)----	13.3	8.7	7.1	8.3	8.9	7.0	8.1	8.1	0.0	0.	0.0
3569	GENERAL INDUSTRIAL MACHINERY,											
	N.E.C.----------(3569)----	11.2	5.7	5.6	8.2	8.6	4.4	7.7	7.7	0.0	0.	0.1
3572	TYPEWRITERS----------(3572)----	6.1	4.2	2.9	10.3	10.0	6.2	8.2	8.0	0.0	0.	0.1
3573	ELECTRONIC COMPUTING EQUIPMENT------(3573)-+											
	CALCULATING & ACCOUNTING MACHINES, +											
	EXCEPT ELECTRONIC COMPUTING +											
	EQUIPMENT----------(3574)-+											
	OFFICE MACHINES, N.E.C.----------(3579)----	11.2	6.9	6.9	10.0	9.8	8.3	9.2	9.9	0.0	0.	0.1
3576	SCALES & BALANCES----------(3576)----	9.3	6.5	7.0	7.9	8.1	6.6	8.7	8.3	0.0	0.	0.0
3581	AUTOMATIC MERCHANDISING MACHINES----(3581)----	11.5	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.	0.0
3582	COMMERCIAL LAUNDRY EQUIPMENT--------(3582)----	12.3	9.3	7.8	7.9	9.1	8.7	7.9	8.7	0.0	0.	0.0
3585	REFRIGERATION MACHINERY----------(3585)----	8.5	4.7	5.2	10.0	10.9	4.9	9.2	9.6	0.0	0.	0.0
3586	MEASURING & DISPENSING PUMPS--------(3586)----	**********		4.7	8.7	9.3	5.4	8.2	8.7	0.0	0.	0.0
3589	SERVICE INDUSTRY MACHINES, N.E.C.---(3589)----	8.0	6.7	5.8	8.9	9.9	4.6	8.1	8.7	0.0	0.	0.0

Table 6.--Nominal tariff rates and non-tariff barrier indices for major trading areas by TC-SIC--Cont.

TC-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (DIRECTLY FROM TSUSA) (SIMPLE AVERAGE) 1965	1970	GATT TARIFF AVERAGES (PERCENT) (IMPORT WT., TO BTN) US	FOR-EIGN SIMP.	FOR-EIGN WTD.	(IMPT. & EXPT. WT., TO BTN) US	FOR-EIGN SIMP.	FOR-EIGN WTD.	NON-TARIFF BARRIER INDICES (PERCENT OF TOTAL POSSIBILITIES) US	FOR-EIGN SIMP.	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12
3599	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL----------(3599)----	7.3	2.1	9.0	9.4	9.9	8.3	8.9	9.2	0.0	0.0	0.0
3611	ELECTRIC MEASURING INSTRUMENTS------(3611)----	15.0	9.3	10.0	9.9	10.6	12.3	10.1	9.8	0.0	0.3	0.1
3612	TRANSFORMERS----------(3612)----	12.9	9.4	7.6	9.4	10.1	11.1	8.2	8.0	0.0	0.1	0.2
3613	SWITCHGEAR & SWITCHBOARD APPARATUS--(3613)-+ INDUSTRIAL CONTROLS----------(3622)-+ CURRENT-CARRYING WIRING DEVICES-----(3643)----	26.1	18.7	12.9	9.0	9.4	12.6	8.7	8.6	0.0	0.0	0.0
3621	MOTORS & GENERATORS----------(3621)----	15.3	11.5	7.7	9.5	10.5	9.8	8.5	8.2	0.0	0.4	0.1
3623	WELDING APPARATUS----------(3623)----	9.2	6.1	3.5	9.4	10.0	3.6	8.7	8.6	0.0	0.2	0.0
3624	CARBON & GRAPHITE PRODUCTS----------(3624)----	9.0	6.0	6.4	8.3	8.4	6.9	9.0	8.2	0.0	0.1	0.0
3629	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.----------(3629)----	6.9	6.7	6.8	9.7	9.6	8.0	8.7	8.6	0.0	0.6	0.3
3631	HOUSEHOLD COOKING EQUIPMENT---------(3631)-+ ELECTRIC HOUSEWARES & FANS----------(3634)-+ HOUSEHOLD APPLIANCES, N.E.C.---------(3639)----	12.7	8.9	6.6	9.4	9.7	7.4	8.8	9.1	0.0	0.5	0.2
3632	HOUSEHOLD REFRIGERATORS & FREEZERS----------(3632)----	10.1	7.0	5.0	10.2	11.3	5.0	9.2	9.9	0.0	0.0	0.0
3633	HOUSEHOLD LAUNDRY EQUIPMENT---------(3633)----	14.0	9.5	7.8	7.9	9.1	8.7	7.9	8.7	0.0	0.0	0.0
3635	HOUSEHOLD VACUUM CLEANERS----------(3635)----	13.7	9.5	6.3	9.9	11.7	7.2	9.3	10.9	0.0	0.0	0.0
3636	SEWING MACHINES----------(3636)----	11.9	8.2	5.2	10.7	9.9	6.9	9.5	9.1	0.0	2.1	0.4
3641	ELECTRIC LAMPS----------(3641)----	7.6	6.7	8.0	11.0	10.4	6.4	10.2	9.5	0.0	0.1	0.0
3642	LIGHTING FIXTURES----------(3642)----	16.6	14.6	13.6	10.5	10.3	12.6	10.1	9.4	0.5	0.5	0.1
3644	NONCURRENT-CARRYING WIRING DEVICES--(3644)----	14.5	11.7	5.5	10.6	10.0	8.3	10.1	9.2	0.0	0.0	0.0
3651	RADIO & TELEVISION RECEIVING SETS---(3651)----	8.9	6.2	6.5	10.5	11.0	6.8	9.1	9.0	0.0	0.7	0.3
3652	PHONOGRAPH RECORDS----------(3652)----	4.3	2.7	5.2	8.2	8.5	5.5	6.8	7.0	0.0	0.1	0.0
3661	TELEPHONE & TELEGRAPH APPARATUS-----(3661)----	15.0	10.0	7.7	9.5	10.4	7.6	8.0	8.3	0.0	0.0	0.0
3662	RADIO & TELEVISION COMMUNICATION EQUIPMENT----------(3662)----	5.7	6.1	6.5	10.3	10.6	8.4	10.0	9.5	0.0	0.3	0.3
3671	RADIO & TELEVISION TYPE ELECTRON TUBES, EXCEPT CATHODE RAY----------(3671)----	12.5	4.2	7.5	12.6	10.9	10.5	9.6	8.7	0.0	2.9	2.1
3672	CATHODE RAY PICTURE TUBES----------(3672)----	15.0	9.8	7.5	12.6	10.9	10.5	9.6	8.7	0.0	2.9	2.1
3673	TRANSMITTING, INDUSTRIAL & SPECIAL PURPOSE ELECTRON TUBES----------(3673)----	11.8	8.3	7.5	12.6	10.9	10.5	9.6	8.7	0.0	2.9	2.1
3674	SEMICONDUCTORS----------(3674)----	13.7	8.8	7.5	12.6	10.9	10.5	9.6	8.7	0.0	2.9	2.1
3679	ELECTRONIC COMPONENTS, N.E.C.--------(3679)----	12.5	7.6	6.5	8.6	8.8	7.4	7.9	7.8	0.0	0.7	0.4
3691	STORAGE BATTERIES----------(3691)----	10.5	4.5	7.9	8.4	9.1	8.0	8.0	7.9	0.0	0.0	0.0
3692	PRIMARY BATTERIES, DRY & WET---------(3692)----	17.4	12.0	8.5	12.9	15.3	8.5	10.8	12.3	0.0	1.7	0.4
3693	X-RAY APPARATUS & TUBES----------(3693)----	5.9	4.0	9.8	7.0	5.5	9.8	9.0	7.9	0.0	0.0	0.0
3694	ENGINE ELECTRICAL EQUIPMENT---------(3694)----	8.6	3.8	6.7	9.8	10.2	5.9	8.8	8.7	0.0	0.4	0.0
3699	ELECTRICAL EQUIPMENT, N.E.C.---------(3699)----	8.5	9.0	6.4	10.4	11.2	6.1	9.0	9.2	0.0	0.4	0.0
3711	MOTOR VEHICLES----------(3711)-+ TRUCK & BUS BODIES----------(3713)----	8.7	4.4	3.4	10.5	9.7	4.7	11.0	10.2	0.0	2.1	0.6
3714	MOTOR VEHICLE PARTS & ACCESSORIES---(3714)----	4.9	2.0	4.8	7.9	7.3	4.6	10.0	9.1	0.0	0.0	0.1
3715	TRUCK TRAILERS----------(3715)----	**********		8.0	12.8	12.1	8.0	11.6	10.5	0.0	0.0	0.0
3721	AIRCRAFT----------(3721)----	8.2	6.1	4.7	4.3	4.7	6.4	8.7	6.9	1.7	0.5	0.3
3722	AIRCRAFT ENGINES & ENGINE PARTS-----(3722)----	9.0	5.2	4.2	7.5	6.3	4.7	9.5	8.2	0.0	0.1	0.1
3729	AIRCRAFT PROPELLERS & PARTS---------(3723)-+ AIRCRAFT EQUIPMENT, N.E.C.----------(3729)----	2.4	2.9	7.0	8.6	7.8	7.9	10.0	8.9	0.0	0.0	0.0
3731	SHIPBUILDING & REPAIRING----------(3731)-+ BOATBUILDING & REPAIRING----------(3732)----	9.7	7.3	3.2	4.3	4.8	4.0	4.2	4.3	4.2	0.4	0.1
3741	LOCOMOTIVES & PARTS----------(3741)-+ RAILROAD & STREET CARS----------(3742)----	13.4	10.7	6.8	6.1	5.9	8.4	7.9	7.4	0.0	0.4	0.1
3751	MOTORCYCLES, BICYCLES, & PARTS------(3751)----	22.4	15.1	9.4	14.0	14.1	10.9	13.6	13.8	0.0	0.7	0.1
3791	TRAILER COACHES----------(3791)-+ TRANSPORTATION EQUIPMENT, N.E.C.----(3799)----	4.2	3.1	6.6	11.5	11.1	7.4	10.5	9.7	0.0	1.2	0.6
3811	ENGINEERING & SCIENTIFIC INSTRUMENTS----------(3811)-+ MECHANICAL MEASURING DEVICES---------(3821)-+ AUTOMATIC TEMPERATURE CONTROLS------(3822)----	23.7	15.2	9.8	9.4	9.3	12.9	10.1	9.4	0.0	0.1	0.0
3831	OPTICAL INSTRUMENTS & LENSES--------(3831)----	29.3	22.7	12.8	10.5	8.9	15.0	11.3	9.3	0.0	0.3	0.1
3841	SURGICAL & MEDICAL INSTRUMENTS------(3841)----	22.2	16.7	10.9	7.4	6.2	10.9	9.1	8.3	0.0	0.0	0.0
3842	SURGICAL APPLIANCES & SUPPLIES------(3842)----	14.5	8.9	6.0	7.6	7.3	9.0	8.2	8.0	0.0	0.0	0.0
3843	DENTAL EQUIPMENT & SUPPLIES---------(3843)----	18.5	13.3	6.1	7.9	7.2	10.6	9.1	8.5	0.0	0.0	0.0
3851	OPHTHALMIC GOODS----------(3851)----	23.3	18.2	14.3	12.4	11.2	16.0	11.4	9.8	0.0	0.0	0.0
3861	PHOTOGRAPHIC EQUIPMENT & SUPPLIES---(3861)----	15.4	11.2	8.0	10.1	9.0	9.0	9.7	8.5	0.0	0.1	0.0
3871	WATCHES & CLOCKS----------(3871)----	36.4	22.0	21.2	13.7	12.6	25.7	14.1	11.9	0.0	0.1	0.0
3872	WATCHCASES----------(3872)----	40.2	28.1	21.4	14.6	13.4	20.1	15.2	13.9	0.0	0.0	0.0
3911	JEWELRY, PRECIOUS METAL----------(3911)-+ JEWELERS' FINDINGS & MATERIALS------(3912)----	37.7	26.0	18.3	12.7	12.6	18.4	12.2	12.1	0.0	1.2	0.3
3913	LAPIDARY WORK----------(3913)----	12.1	8.3	6.1	3.2	2.6	8.8	4.2	3.2	0.0	0.4	0.1
3914	SILVERWARE & PLATED WARE----------(3914)----	30.2	17.0	13.3	14.5	14.6	17.5	14.6	14.4	0.0	1.1	0.5
3931	MUSICAL INSTRUMENTS & PARTS---------(3931)----	17.1	11.6	8.8	10.4	10.3	9.3	10.1	9.8	0.0	0.0	0.0
3941	GAMES & TOYS----------(3941)----	29.3	19.4	10.1	12.0	13.3	9.9	11.6	13.1	0.7	0.7	0.2
3942	DOLLS----------(3942)----	30.6	22.4	14.6	13.8	15.3	12.5	12.6	13.7	0.0	0.2	0.2
3943	CHILDREN'S VEHICLES, EXCEPT BICYCLES----------(3943)----	13.5	9.3	11.0	12.0	13.1	10.5	11.6	12.6	0.0	0.1	0.2
3949	SPORTING & ATHLETIC GOODS, N.E.C.---(3949)----	16.3	11.9	11.4	11.6	11.6	11.1	11.3	11.1	0.0	0.0	0.0
3951	PENS & MECHANICAL PENCILS----------(3951)----	38.2	22.0	10.7	11.2	11.1	13.8	11.5	11.0	0.0	0.0	0.0
3952	LEAD PENCILS & ART GOODS----------(3952)----	14.4	12.5	7.0	11.2	11.7	10.6	10.8	11.0	0.0	0.0	0.0
3953	MARKING DEVICES----------(3953)----	20.0	20.0	9.3	12.4	13.5	11.6	12.1	13.1	1.1	0.0	0.0
3955	CARBON PAPER & INKED RIBBONS--------(3955)----	7.3	4.4	6.6	12.2	12.7	7.9	11.7	12.2	1.1	0.0	0.0
3961	COSTUME JEWELRY----------(3961)----	30.3	23.0	9.0	8.5	8.1	11.3	8.6	8.0	0.0	0.2	0.1
3962	FEATHERS, PLUMES & ARTIFICIAL FLOWERS----------(3962)----	19.9	15.0	9.2	12.2	12.7	12.8	12.7	13.3	1.7	0.1	0.0
3963	BUTTONS----------(3963)----	20.5	17.8	16.4	16.6	16.4	17.5	12.8	14.0	0.0	0.1	0.0
3964	NEEDLES, PINS, & FASTENERS----------(3964)----	32.1	21.1	12.9	12.6	12.8	14.8	11.2	11.3	0.0	0.7	0.3
3991	BROOMS & BRUSHES----------(3991)----	23.8	30.6	18.7	12.6	13.4	33.6	12.4	13.1	0.0	0.0	0.0
3993	SIGNS & ADVERTISING DISPLAY----------(3993)----	19.0	6.4	9.5	9.2	9.6	9.5	10.2	10.9	0.0	0.0	0.0
3996	HARD SURFACE FLOOR COVERINGS--------(3996)----	15.1	8.3	5.6	12.4	13.7	7.8	12.3	13.5	0.0	0.0	0.0
3999	MANUFACTURES, N.E.C.----------(3999)----	19.0	14.3	7.5	8.2	8.1	9.1	8.5	8.2	0.2	0.0	0.1

Source: Compiled from data at the U.S. International Trade Commission. The tariff and NTB data came from the same source as the data in Tables 1 and 3.

Note: **** means data not available.

Table 7.--Rank correlation coefficients, ranks, and summary statistics of the data in table 6

VARIABLE	(NO)	(FOR 293 OBSERVATIONS)
USTSTA65	(2)	
USTSTA70	(3)	
USWTTF70	(4)	
FRSMTF70	(5)	
FRWTTF70	(6)	
USSMPTAR	(7)	
FRSMPTAR	(8)	
FRWTDTAR	(9)	
NTBUS	(10)	
NTBFRN	(11)	
NTDWTD	(12)	

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(2)	******	0.891	0.725	0.549	0.541	0.74[illegible]	0.545	0.544	0.229	0.233	0.222
(3)	33.492	******	0.725	0.583	0.574	0.78[illegible]	0.578	0.577	0.307	0.348	0.327
(4)	17.961	17.981	******	0.676	0.655	0.87[illegible]	0.667	0.647	0.282	0.296	0.260
(5)	11.193	12.242	15.660	******	0.973	0.69[illegible]	0.948	0.942	0.322	0.443	0.412
(6)	10.976	11.970	14.802	72.108	******	0.64[illegible]	0.919	0.954	0.301	0.399	0.370
(7)	18.890	21.582	31.462	16.354	14.445	******	0.700	0.662	0.369	0.418	0.390
(8)	11.099	12.094	15.276	50.732	39.861	16.71[illegible]	******	0.975	0.351	0.453	0.407
(9)	11.065	12.051	14.468	47.911	54.189	15.05[illegible]	74.607	******	0.333	0.419	0.380
(10)	4.005	5.508	5.017	5.809	5.391	6.78[illegible]	6.591	6.018	******	0.576	0.592
(11)	4.078	6.332	5.288	8.421	7.415	7.84[illegible]	8.678	7.883	12.026	******	0.945
(12)	3.875	5.904	4.585	7.720	6.791	7.21[illegible]	7.609	7.005	12.519	49.505	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 291

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
2011	58.0	65.5	46.5	34.5	32.0	69.[illegible]	34.5	33.0	251.0	254.0	250.0
2015	92.5	181.0	150.5	128.0	98.0	188.[illegible]	136.0	164.5	222.0	282.0	275.0
2021	89.5	14.0	222.0	195.0	98.0	282.[illegible]	203.0	108.5	292.5	293.0	292.5
2022	212.0	226.0	230.0	252.5	185.5	238.[illegible]	265.0	225.5	292.5	291.5	292.5
2023	73.5	157.5	187.0	229.0	231.5	211.[illegible]	235.0	230.5	291.0	279.0	286.0
2026	82.5	219.0	46.5	206.5	199.5	227.[illegible]	247.5	249.5	272.0	289.5	288.0
2031	102.0	111.5	37.5	187.0	185.5	77.[illegible]	227.0	208.0	104.0	247.0	246.0
2033	190.5	196.0	208.0	266.0	270.5	243.[illegible]	272.0	274.5	234.5	287.0	285.0
2034	178.0	192.0	193.0	164.0	177.5	166.[illegible]	179.0	181.5	212.0	260.0	259.0
2035	158.5	193.0	220.5	247.5	243.5	185.[illegible]	233.0	222.5	104.0	257.0	255.0
2037	274.0	291.0	208.0	241.0	249.5	239.[illegible]	238.5	255.5	104.0	283.0	279.0
2041	41.5	70.0	189.0	135.5	119.5	171.[illegible]	136.0	130.0	254.5	276.5	281.0
2042	19.5	28.0	11.0	27.5	25.5	14.[illegible]	23.5	26.0	245.0	280.0	280.0
2043	25.5	25.5	189.0	204.5	185.5	112.[illegible]	203.0	190.5	289.0	276.5	271.0
2044	98.0	171.5	97.0	25.0	28.5	166.[illegible]	28.0	29.5	104.0	281.0	282.0
2046	222.0	206.0	22.5	73.0	90.0	59.[illegible]	68.5	87.5	231.0	255.0	264.0
2051	7.0	9.0	12.5	148.0	101.5	11.[illegible]	189.5	164.5	104.0	259.0	241.5
2061	31.0	51.0	54.0	290.0	290.0	94.[illegible]	289.0	274.5	289.0	252.0	278.0
2071	133.5	173.5	129.0	219.0	217.5	171.[illegible]	211.5	212.0	286.0	245.0	243.0
2073	126.0	166.5	40.0	189.5	202.5	174.[illegible]	160.5	183.5	289.0	253.0	241.5
2082	186.5	162.5	94.0	140.0	166.0	67.[illegible]	141.5	187.0	229.0	268.0	265.0
2084	269.0	235.5	110.5	289.0	289.0	286.[illegible]	290.0	290.0	272.0	291.5	291.0
2085	287.0	283.0	73.5	278.0	266.0	191.[illegible]	275.0	277.0	245.0	285.0	284.0
2086	11.0	10.0	14.0	128.0	114.0	25.[illegible]	160.5	180.0	104.0	264.0	251.0
2087	225.0	233.0	204.5	273.0	267.0	230.[illegible]	276.5	278.0	272.0	284.0	283.0
2091	30.0	261.0	21.0	21.0	17.0	35.[illegible]	26.5	24.0	104.0	234.0	248.5
2093	28.0	65.5	118.0	153.0	125.0	194.[illegible]	165.5	172.5	214.0	269.5	276.0
2094	60.0	45.5	63.0	27.5	20.0	65.[illegible]	30.5	28.0	217.5	246.0	252.0
2095	5.0	12.5	5.0	83.5	147.0	13.[illegible]	215.5	217.0	245.0	240.0	238.0
2098	35.5	34.5	30.0	219.0	217.5	19.[illegible]	240.0	245.5	104.0	271.0	253.5
2099	111.5	103.5	40.0	183.0	173.0	126.5	201.0	199.0	239.0	244.0	240.0
2111	23.5	290.0	261.0	292.0	292.0	291.0	292.0	292.0	104.0	288.0	289.0
2121	43.5	126.0	261.0	292.0	292.0	291.0	292.0	292.0	104.0	289.5	290.0
2131	214.0	288.0	261.0	292.0	292.0	291.0	292.0	292.0	104.0	286.0	287.0
2211	227.5	224.0	251.0	259.5	259.5	263.0	264.0	266.0	284.0	267.0	263.0
2221	253.0	268.0	273.0	256.0	257.0	257.5	254.0	253.0	227.0	233.0	235.0
2231	281.0	292.0	288.0	262.0	262.5	278.5	260.0	261.5	252.0	224.0	219.5
2241	249.0	238.0	231.0	192.0	199.5	218.0	211.5	205.5	245.0	212.0	207.0

Table 7.--Rank correlation coefficients, ranks, and summary statistics of the data in table 6--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
2251	283.0	269.5	292.0	283.0	284.0	287.5	280.0	281.0	272.0	258.0	257.0
2253	275.5	280.0	279.0	277.0	276.0	278.5	278.0	276.0	272.0	261.0	257.0
2256	267.0	282.0	263.0	270.0	274.0	253.5	266.5	270.0	254.5	215.0	211.0
2271	229.0	220.0	218.5	254.0	265.0	213.0	261.5	261.5	254.5	219.0	211.0
2281	188.0	189.5	246.5	167.5	156.5	245.0	160.5	140.5	232.0	185.5	174.0
2282	257.0	246.5	225.0	111.0	69.5	232.0	93.5	56.0	217.5	198.0	141.5
2283	237.0	262.0	289.0	117.0	156.5	264.5	136.0	168.0	254.5	205.0	204.0
2284	169.0	235.5	255.0	114.0	76.5	248.0	108.5	70.0	224.5	167.0	143.0
2291	261.0	230.0	236.5	104.0	128.0	219.0	165.5	177.0	245.0	204.0	194.5
2292	290.0	278.0	268.0	271.0	270.5	266.0	266.5	266.0	272.0	249.0	239.0
2293	128.0	179.0	81.0	16.0	18.0	138.5	13.0	22.5	234.5	189.0	183.0
2294	186.5	213.0	223.5	14.0	15.5	216.5	18.0	18.5	238.0	134.0	166.0
2295	208.5	208.0	191.5	239.0	233.5	216.5	252.0	253.0	104.0	226.5	223.5
2296	47.5	228.5	264.0	255.0	254.0	272.0	235.0	219.5	261.0	249.0	247.0
2298	212.0	211.5	249.5	160.5	114.0	221.5	191.0	179.0	259.5	206.0	189.0
2299	194.5	211.5	180.0	79.0	76.5	182.0	103.5	108.5	220.5	193.0	199.0
2311	266.0	275.0	290.5	286.5	286.5	274.5	282.0	281.0	272.0	264.0	272.5
2321	282.0	285.0	282.5	280.5	281.5	284.5	287.5	288.5	272.0	273.5	260.5
2322	230.0	267.0	282.5	280.5	281.5	284.5	287.5	288.5	272.0	273.5	260.5
2323	273.0	263.0	275.0	275.0	275.0	260.0	274.0	273.0	272.0	256.0	244.5
2327	242.0	269.5	290.5	286.5	286.5	274.5	282.0	281.0	272.0	264.0	272.5
2328	261.0	281.0	280.0	279.0	280.0	268.0	279.0	283.0	272.0	249.0	244.5
2335	279.5	287.0	285.0	284.5	283.0	277.0	284.5	285.0	272.0	272.0	270.0
2337	258.0	276.5	287.0	288.0	288.0	271.0	284.5	284.0	272.0	278.0	277.0
2341	263.0	284.0	281.0	282.0	279.0	283.0	286.0	287.0	272.0	264.0	257.0
2342	235.0	264.5	234.0	261.0	261.0	215.0	255.0	259.0	245.0	211.0	211.0
2351	254.0	268.5	268.0	244.5	229.0	266.0	253.0	241.0	272.0	222.0	211.0
2371	251.5	231.0	213.5	265.0	251.5	198.5	268.0	264.0	245.0	198.0	183.0
2391	261.0	276.5	278.0	263.5	262.5	281.0	257.5	257.0	245.0	214.0	218.0
2384	251.5	274.0	286.0	284.5	285.0	270.0	282.0	279.0	272.0	269.5	274.0
2385	239.0	250.0	274.0	276.0	278.0	257.5	270.5	272.0	258.0	251.0	253.5
2386	144.5	135.5	248.0	274.0	269.0	256.0	273.0	268.5	104.0	47.5	58.5
2387	235.0	243.5	268.0	272.0	272.5	261.5	270.5	268.5	259.5	229.0	219.5
2391	235.0	233.0	252.0	259.5	257.0	236.0	257.5	255.5	257.0	230.5	233.0
2393	218.0	208.0	66.0	215.5	247.0	252.0	259.0	263.0	272.0	240.0	235.0
2396	291.0	271.0	246.5	263.5	257.0	244.0	261.5	258.0	283.0	236.0	237.0
2399	255.0	241.5	244.5	251.0	243.5	246.0	244.0	234.5	237.0	213.0	217.0
2411	6.0	7.5	5.0	6.0	5.0	7.5	7.0	8.0	104.0	47.5	58.5
2421	9.0	6.0	5.0	8.0	7.0	4.5	9.5	7.0	104.0	47.5	58.5
2426	126.0	90.5	20.0	37.5	38.5	49.5	38.0	37.0	104.0	112.0	122.5
2429	32.0	22.5	24.5	27.5	28.5	27.5	26.5	27.0	104.0	118.0	58.5
2431	150.5	164.5	68.0	148.0	140.5	135.0	123.0	133.5	104.0	128.5	58.5
2432	208.5	202.0	216.0	99.0	90.0	193.0	113.0	121.5	104.0	128.5	135.5
2441	206.0	170.0	194.5	211.5	212.0	203.0	227.0	224.0	104.0	208.0	162.0
2445	39.0	120.5	22.5	34.5	59.5	80.5	34.5	46.0	104.0	158.0	58.5
2499	204.0	185.5	121.0	79.0	72.5	177.5	88.0	92.5	104.0	151.0	141.5
2511	198.5	199.0	176.0	167.5	173.0	166.0	186.5	187.0	217.5	203.0	197.0
2611	2.5	3.0	12.5	7.0	8.0	7.5	5.5	5.5	104.0	47.5	58.5
2621	98.0	71.0	34.0	177.0	156.5	63.5	184.0	163.0	104.0	140.0	149.5
2631	53.5	42.0	26.5	195.0	199.5	55.5	186.5	187.0	104.0	47.5	58.5
2641	106.5	141.5	191.5	241.0	233.5	150.0	215.5	209.0	224.5	147.0	155.5
2642	202.0	178.0	141.0	247.5	251.5	107.0	241.5	247.5	104.0	47.5	58.5
2643	172.0	141.0	200.5	211.5	212.0	179.5	219.5	214.5	104.0	105.5	58.5
2644	111.5	96.0	81.0	183.0	208.0	59.0	198.5	219.5	104.0	47.5	58.5
2646	86.5	84.0	129.0	244.5	243.5	136.5	160.5	190.5	104.0	47.5	58.5
2651	122.0	116.5	163.5	237.5	240.0	107.0	224.0	230.5	104.0	47.5	58.5
2661	158.5	218.0	34.0	219.0	199.5	86.5	206.5	183.5	104.0	47.5	58.5
2711	2.5	3.0	5.0	1.5	2.0	1.5	2.5	2.5	272.0	198.0	223.5
2721	10.0	3.0	5.0	3.0	3.0	4.5	2.5	2.5	272.0	208.0	229.0
2731	14.0	7.5	10.0	16.0	23.0	9.0	4.0	9.0	272.0	172.5	216.0
2741	92.5	84.0	57.5	99.0	125.0	29.5	61.5	108.5	229.0	98.0	153.0
2753	105.0	92.5	15.5	44.5	36.0	90.0	52.0	34.5	104.0	47.5	58.5
2771	150.5	132.0	163.5	215.5	243.5	39.0	193.5	243.5	104.0	47.5	58.5
2782	162.5	157.5	145.5	177.0	196.0	69.5	152.5	193.5	104.0	47.5	58.5
2812	43.5	55.0	52.5	117.0	131.5	29.5	68.5	64.5	104.0	158.0	162.0
2813	67.5	100.0	18.5	24.0	25.5	46.5	25.0	22.5	104.0	118.0	127.5
2815	146.5	160.5	213.5	140.0	105.0	233.0	117.5	100.5	210.0	122.0	140.0
2816	117.0	120.5	114.5	56.5	56.0	112.0	47.0	44.0	104.0	99.0	120.0
2818	192.5	176.5	141.0	148.0	135.5	191.5	123.0	121.5	213.0	176.0	196.0
2819	114.0	106.0	50.0	37.5	41.5	53.0	36.5	34.5	104.0	107.0	125.0
2822	82.5	80.0	165.0	48.0	53.5	182.0	39.5	50.5	104.0	47.5	58.5
2823	259.0	258.5	234.0	148.0	101.5	250.0	136.0	100.5	104.0	47.5	58.5
2824	241.0	222.0	234.0	148.0	101.5	250.0	136.0	100.5	224.5	47.5	58.5
2831	140.5	57.5	18.5	40.0	41.5	59.0	33.0	32.0	104.0	178.5	200.5
2833	184.0	147.0	68.0	99.0	72.5	153.5	88.0	74.5	104.0	175.0	183.0
2834	51.0	42.0	81.0	120.0	119.5	208.0	165.5	185.0	104.0	47.5	58.5
2841	102.0	130.5	57.5	117.0	147.0	80.5	98.0	137.0	104.0	145.0	135.5
2842	47.5	22.5	61.5	69.5	76.5	90.0	61.5	64.5	104.0	102.0	58.5
2843	196.5	176.5	50.0	30.0	36.0	25.0	29.0	29.5	104.0	47.5	58.5
2844	200.5	191.0	37.5	36.0	41.5	103.0	39.5	41.0	104.0	47.5	58.5
2851	67.5	68.0	57.5	59.0	90.0	99.0	51.5	74.5	104.0	47.5	58.5
2861	17.0	28.0	43.5	9.0	10.0	31.5	9.5	11.0	104.0	47.5	58.5
2871	2.5	3.0	5.0	5.0	6.0	6.0	5.5	4.0	104.0	174.0	168.5
2891	180.5	173.5	24.5	64.0	69.5	55.5	57.5	67.5	104.0	217.0	227.0
2892	76.5	30.5	166.0	54.0	83.0	103.0	108.5	130.0	104.0	47.5	58.5
2893	15.0	16.5	15.5	128.0	147.0	31.5	90.5	100.5	104.0	47.5	58.5
2895	53.5	16.5	5.0	19.0	13.0	10.0	20.5	10.0	104.0	47.5	58.5
2899	65.0	63.0	81.0	69.5	76.5	119.5	57.5	58.5	209.0	169.0	176.0
2911	18.0	34.5	30.0	32.0	33.0	43.0	36.5	37.0	287.0	220.0	226.0

Table 7.--Rank correlation coefficients, ranks and summary statistics of the data in table 6--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
3011	73.5	75.5	161.0	185.5	196.0	99.0	156.5	177.0	104.0	158.0	59.5
3021	206.0	238.0	232.0	268.0	277.0	241.0	276.5	286.0	104.0	222.0	221.0
3031	2.5	3.0	81.0	27.5	20.0	16.5	16.5	15.0	104.0	47.5	58.5
3069	196.5	183.5	196.5	177.0	193.5	194.5	169.5	190.5	220.5	150.0	171.0
3111	95.5	100.0	81.0	171.5	138.5	59.0	182.5	153.5	104.0	191.0	206.0
3121	123.5	109.5	150.5	211.5	226.5	107.0	224.0	232.5	104.0	110.0	127.5
3131	82.5	72.5	71.5	201.0	217.5	59.0	222.0	236.5	104.0	47.5	58.5
3141	173.0	194.0	180.0	235.5	236.5	153.5	245.5	247.5	104.0	199.0	194.0
3151	245.5	273.0	265.5	269.0	268.0	278.5	269.0	266.0	104.0	47.5	58.5
3161	279.5	245.0	257.5	233.5	247.0	227.0	250.5	260.0	104.0	198.0	183.0
3171	249.0	240.0	253.5	241.0	240.0	230.0	249.0	251.0	104.0	210.0	183.0
3172	226.0	221.0	211.0	206.5	223.0	185.5	241.5	241.0	104.0	158.0	149.5
3211	249.0	223.0	242.5	146.0	147.0	234.0	160.5	159.5	104.0	165.0	175.0
3221	148.0	141.0	180.0	201.0	225.0	119.5	165.5	196.0	104.0	226.5	223.5
3241	16.0	11.0	5.0	16.0	15.5	3.0	15.0	15.0	104.0	47.5	58.5
3251	227.5	126.0	114.5	86.0	110.0	77.0	88.0	137.0	104.0	47.5	58.5
3253	247.0	266.0	284.0	195.0	221.5	180.0	206.5	222.5	245.0	240.0	235.0
3255	180.5	154.5	118.0	44.5	47.5	80.5	41.0	39.0	104.0	128.5	135.5
3261	269.0	248.5	256.0	235.5	249.5	261.5	219.5	225.5	104.0	232.0	229.0
3262	292.0	289.0	293.0	243.0	272.5	289.0	250.5	271.0	104.0	275.0	262.0
3263	277.0	255.0	257.5	225.0	259.5	276.0	229.5	253.0	104.0	264.0	248.5
3264	239.0	209.5	223.5	164.0	169.5	158.0	123.0	144.5	104.0	170.5	211.0
3269	245.5	226.0	272.0	211.5	240.0	269.0	219.5	234.5	104.0	230.5	231.0
3271	223.0	216.5	271.0	89.5	123.0	220.0	55.5	79.5	104.0	87.5	58.5
3274	45.0	37.0	52.5	10.0	14.0	20.5	12.0	21.0	104.0	47.5	58.5
3275	130.5	293.0	17.0	47.0	53.5	11.5	47.0	58.5	104.0	47.5	58.5
3281	210.0	196.0	97.0	44.5	50.0	103.0	76.0	70.0	104.0	47.5	58.5
3291	56.5	60.0	50.0	44.5	46.0	49.5	43.5	44.0	104.0	47.5	58.5
3292	35.5	40.0	64.5	83.5	83.0	99.0	64.5	74.5	104.0	47.5	58.5
3295	144.5	38.5	135.5	13.0	11.5	46.5	20.5	20.0	104.0	47.5	58.5
3296	200.5	126.0	203.0	201.0	217.5	205.0	182.5	201.5	104.0	47.5	58.5
3299	166.0	171.5	150.5	51.5	59.5	116.0	43.5	52.5	104.0	47.5	58.5
3312	79.0	108.0	106.0	51.5	45.0	94.5	47.0	37.0	208.0	168.0	149.5
3315	130.5	141.0	110.5	156.5	147.0	123.0	179.0	172.5	104.0	105.5	144.5
3321	60.0	80.0	129.0	122.0	114.0	116.0	136.0	121.5	104.0	47.5	58.5
3322	46.0	45.5	185.0	128.0	128.0	145.5	160.5	153.5	104.0	47.5	58.5
3323	150.5	160.5	150.5	140.0	131.5	166.0	146.0	153.5	104.0	115.0	152.0
3331	22.0	25.5	34.0	4.0	4.0	35.5	9.5	5.5	104.0	102.0	127.5
3332	8.0	32.0	46.5	23.0	23.0	84.0	30.5	31.0	104.0	140.0	149.5
3333	95.5	133.0	26.5	31.0	20.0	153.5	23.5	18.5	104.0	170.5	176.0
3334	37.5	34.5	68.0	33.0	28.5	35.5	14.0	15.0	104.0	47.5	58.5
3339	73.5	60.0	61.5	11.0	9.0	107.0	16.5	17.0	104.0	95.0	117.0
3351	138.5	145.0	43.5	160.5	119.5	145.5	186.5	148.5	104.0	47.5	58.5
3352	137.0	118.0	161.0	198.0	196.0	123.0	198.5	193.5	104.0	47.5	58.5
3356	142.5	135.5	141.0	40.0	36.0	166.0	51.5	44.0	104.0	112.0	130.5
3357	189.0	100.0	106.0	208.0	206.0	119.5	211.5	207.0	104.0	118.0	58.5
3391	28.0	30.5	95.0	110.0	95.0	73.0	136.0	121.5	104.0	47.5	58.5
3399	86.5	120.5	150.5	49.5	41.5	129.0	55.5	41.0	104.0	108.5	121.0
3411	162.5	151.0	135.5	189.5	209.0	94.5	196.0	212.0	104.0	47.5	58.5
3421	284.0	264.5	239.0	189.5	189.0	250.0	224.0	205.5	104.0	149.0	172.5
3423	162.5	162.5	196.5	140.0	147.0	142.0	152.5	153.5	104.0	121.0	130.5
3425	133.5	114.0	57.5	86.0	68.0	90.0	146.0	159.5	104.0	47.5	58.5
3429	231.5	204.0	242.5	247.5	236.5	237.0	245.5	238.0	104.0	195.5	183.0
3432	192.5	181.0	173.0	201.0	207.0	148.5	198.5	203.5	104.0	47.5	58.5
3433	113.0	102.0	81.0	143.5	169.5	94.5	123.0	159.5	104.0	47.5	58.5
3441	120.0	114.0	68.0	49.5	57.5	171.0	84.5	74.5	104.0	47.5	58.5
3443	120.0	126.0	89.0	93.5	95.0	86.5	93.5	100.5	104.0	47.5	58.5
3452	153.5	151.0	106.0	140.0	156.5	131.5	129.0	159.5	104.0	47.5	58.5
3461	60.0	57.5	124.0	160.5	177.5	123.0	179.0	190.5	104.0	104.0	58.5
3492	216.0	200.0	211.0	185.5	212.0	185.5	193.5	219.5	104.0	47.5	58.5
3493	33.0	20.5	135.5	69.5	66.5	84.0	189.5	172.5	104.0	158.0	58.5
3494	171.0	106.0	173.0	171.5	163.5	144.0	141.5	133.5	104.0	128.5	135.5
3497	293.0	147.0	156.5	56.5	55.0	179.5	61.5	50.5	104.0	142.0	167.0
3511	184.0	241.5	110.5	73.0	61.5	131.5	98.0	84.0	104.0	112.0	122.5
3519	41.5	34.5	57.5	64.0	50.0	43.0	146.0	92.5	104.0	158.0	58.5
3522	12.0	12.5	28.0	54.0	52.0	20.5	66.5	58.5	104.0	138.0	124.0
3531	91.0	64.0	46.5	86.0	83.0	35.5	80.0	74.5	104.0	181.5	192.0
3532	98.0	96.0	129.0	75.0	90.0	67.5	61.5	61.5	104.0	47.5	58.5
3533	269.0	251.0	121.0	99.0	105.0	73.0	80.0	79.5	104.0	172.5	202.5
3534	106.5	96.0	81.0	64.0	83.0	16.5	51.5	48.0	104.0	47.5	58.5
3535	109.0	96.0	81.0	64.0	83.0	16.5	51.5	48.0	104.0	47.5	58.5
3536	28.0	53.0	81.0	64.0	83.0	16.5	51.5	48.0	104.0	47.5	58.5
3537	62.0	86.0	106.0	156.5	156.5	53.0	136.0	121.5	104.0	47.5	58.5
3541	165.0	114.0	156.5	128.0	147.0	99.0	146.0	148.5	104.0	47.5	58.5
3542	160.0	166.5	118.0	107.5	114.0	73.0	113.0	130.0	104.0	47.5	58.5
3544	196.5	206.0	200.5	99.0	90.0	160.0	113.0	105.0	104.0	47.5	58.5
3548	140.5	135.5	145.5	114.0	131.5	174.5	146.0	148.5	104.0	47.5	58.5
3551	102.0	90.5	89.0	104.0	107.5	43.0	80.0	92.5	104.0	97.0	144.5
3552	180.5	168.5	141.0	42.0	38.5	112.0	43.5	41.0	104.0	100.0	58.5
3553	86.5	68.0	100.5	135.5	161.5	73.0	129.0	164.5	104.0	47.5	58.5
3554	115.0	106.0	89.0	73.0	72.5	62.0	59.0	58.5	104.0	47.5	58.5
3555	109.0	147.0	81.0	64.0	57.5	135.0	72.0	67.5	104.0	118.0	58.5
3559	102.0	80.0	100.5	58.0	66.5	65.5	51.5	54.5	104.0	96.0	127.5
3561	82.5	55.0	64.5	107.5	105.0	49.5	98.0	108.5	104.0	47.5	58.5
3562	146.5	130.5	189.0	99.0	64.0	131.5	98.0	64.5	104.0	198.0	58.5
3564	70.5	51.0	81.0	128.0	147.0	27.5	90.5	92.5	104.0	47.5	58.5
3566	219.0	198.0	156.5	120.0	131.5	153.5	113.0	121.5	104.0	128.5	135.5
3567	150.5	135.5	161.0	93.5	110.0	116.0	80.0	87.5	104.0	47.5	58.5
3569	117.0	68.0	100.5	89.5	101.5	33.0	66.5	70.0	104.0	102.0	170.0
3572	40.0	45.5	32.0	167.5	156.5	84.0	84.5	84.0	104.0	126.5	162.0

Table 7.--Rank correlation coefficients, ranks, and summary statistics of the data in table 6--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	( )	(9)	(10)	(11)	(12)
3573	117.0	92.5	150.5	156.5	140.5	148.5	129.	133.5	104.0	188.5	155.5
3576	89.5	84.0	156.5	79.0	83.0	99.0	103.	100.5	104.0	47.5	58.5
3581	120.0	116.5	5.0	1.5	1.0	1.5	1.	1.0	104.0	47.5	58.5
3582	132.0	141.0	160.0	79.0	119.5	161.5	72.	121.5	104.0	158.0	58.5
3585	67.5	58.0	92.0	156.5	181.0	49.5	129.	164.5	104.0	47.5	58.5
3589	63.0	58.0	106.0	112.0	147.0	39.0	80.	121.5	104.0	47.5	58.5
3599	61.0	19.0	208.5	128.0	147.0	148.5	113.	144.5	104.0	47.5	58.5
3611	175.0	191.0	218.5	153.0	175.5	221.5	174.	172.5	104.0	140.0	162.0
3612	142.5	154.5	173.0	128.0	161.5	209.5	84.	84.0	104.0	198.0	143.0
3613	256.0	243.5	239.0	114.0	128.0	224.5	103.	113.0	104.0	47.5	58.5
3621	180.5	183.5	176.0	135.5	173.0	166.0	93.	92.5	104.0	158.0	162.0
3623	86.5	75.5	42.0	128.0	156.5	22.0	103.	113.0	104.0	128.5	58.5
3624	79.0	72.5	124.0	93.5	95.0	112.0	117.	92.5	104.0	128.5	58.5
3629	49.0	68.0	145.5	143.5	135.5	142.0	103.	113.0	104.0	198.0	194.5
3631	138.5	141.0	145.5	128.0	138.5	126.5	108.	140.5	104.0	198.0	148.0
3632	102.0	96.0	81.0	164.0	193.5	53.0	129.	177.0	104.0	47.5	58.5
3633	162.5	157.5	190.0	79.0	119.5	161.5	72.	121.5	104.0	47.5	58.5
3635	156.5	157.5	121.0	153.0	204.5	119.5	136.	196.0	104.0	47.5	58.5
3636	126.0	120.5	92.0	183.0	147.0	112.0	146.	140.5	104.0	226.5	211.0
3641	56.5	88.0	185.0	189.5	169.5	90.0	179.	159.5	104.0	112.0	58.5
3642	194.5	209.5	244.5	177.0	166.0	224.5	174.	183.5	217.5	166.0	158.0
3644	169.0	187.0	97.0	181.0	156.5	148.5	174.	144.5	104.0	47.5	58.5
3651	76.5	78.0	129.0	177.0	185.5	107.0	123.	137.0	104.0	188.5	190.0
3652	21.0	20.5	92.0	89.5	98.0	63.5	43.	54.5	104.0	47.5	58.5
3661	175.0	168.5	176.0	135.5	169.5	131.5	76.	100.5	104.0	47.5	58.5
3662	34.0	75.5	129.0	167.5	175.5	153.5	168.	159.5	104.0	181.5	192.0
3671	135.5	45.5	169.0	229.0	181.0	198.5	152.	121.5	104.0	240.0	267.5
3672	175.0	164.5	169.0	229.0	181.0	198.5	152.	121.5	104.0	240.0	267.5
3673	123.5	126.0	169.0	229.0	181.0	198.5	152.	121.5	104.0	240.0	267.5
3674	156.5	138.0	169.0	229.0	181.0	198.5	152.	121.5	104.0	240.0	267.5
3679	135.5	109.5	129.0	107.5	107.5	126.5	72.	74.5	104.0	183.0	205.0
3691	109.0	51.0	183.0	99.0	119.5	142.0	76.	79.5	104.0	47.5	58.5
3692	206.0	189.5	194.5	237.5	254.0	158.0	193.	216.0	104.0	222.0	211.0
3693	37.5	42.0	216.0	54.0	34.0	188.5	117.	79.5	104.0	47.5	58.5
3694	70.5	38.5	141.0	148.0	163.5	73.0	107.	121.5	104.0	158.0	58.5
3699	67.5	144.0	124.0	171.5	191.5	80.5	117.	144.5	104.0	143.5	58.5
3711	73.5	48.5	40.0	177.0	138.5	43.0	191.	181.5	104.0	235.0	242.0
3714	23.5	16.5	73.5	79.0	64.0	39.0	169.	140.5	104.0	198.0	172.5
3721	64.0	75.5	71.5	21.0	28.5	90.0	103.	52.5	245.0	178.5	202.5
3722	79.0	62.0	57.5	64.0	50.0	43.0	148.	92.5	104.0	178.5	162.0
3729	13.0	24.0	156.5	107.5	72.5	138.5	169.	133.5	104.0	47.5	58.5
3731	94.0	103.5	36.0	21.0	31.0	25.0	28.	25.0	285.0	144.5	135.5
3741	153.5	175.0	145.5	40.0	44.0	153.5	77.	61.5	104.0	158.0	155.5
3751	233.0	215.0	208.0	252.5	238.0	206.5	247.	241.0	104.0	192.0	168.5
3791	19.5	28.0	135.5	201.0	189.0	126.5	186.	168.0	104.0	217.0	223.5
3811	243.0	216.5	216.0	128.0	125.0	230.0	179.	153.5	104.0	108.5	132.0
3831	264.5	257.0	236.5	177.0	110.0	242.0	208.	148.5	104.0	138.0	146.5
3841	231.5	226.0	227.0	60.0	47.5	206.5	127.	100.5	104.0	47.5	58.5
3842	169.0	141.0	110.5	69.5	64.0	174.5	84.	84.0	104.0	47.5	58.5
3843	212.0	201.0	114.5	79.0	61.5	203.0	127.	108.5	104.0	47.5	58.5
3851	239.0	238.0	249.5	223.0	191.5	247.0	209.	172.5	104.0	47.5	58.5
3861	184.0	181.0	185.0	160.5	114.0	174.5	156.	108.5	104.0	112.0	119.0
3871	285.0	253.5	276.0	247.5	212.0	288.0	247.	210.0	104.0	177.0	58.5
3872	289.0	279.0	277.0	258.0	229.0	266.0	26.	243.5	104.0	158.0	58.5
3911	286.0	272.0	265.5	233.5	212.0	259.0	229.	212.0	104.0	208.0	200.5
3913	129.0	136.0	114.5	12.0	11.5	166.0	29.	12.5	104.0	158.0	155.
3914	271.0	238.5	241.0	257.0	247.0	254.5	256.	249.5	104.0	217.0	215.0
3931	203.0	185.5	196.0	171.5	166.0	182.0	177.	172.5	104.0	47.5	58.5
3941	264.5	246.5	220.5	211.5	226.5	190.0	213.	228.0	224.5	185.5	177.0
3942	275.5	256.0	253.5	250.0	254.0	223.0	238.	239.0	104.0	198.0	183.0
3943	155.0	151.0	228.0	211.5	224.0	198.5	213.	219.5	104.0	198.0	183.0
3949	190.5	188.0	229.0	204.5	202.5	209.5	208.	201.5	215.0	128.5	118.0
3951	208.0	253.5	226.0	195.0	189.0	235.0	21.	199.0	104.0	47.5	58.5
3952	167.0	196.0	156.5	195.0	204.5	203.0	19.	199.0	104.0	47.5	58.5
3953	221.0	248.5	206.0	223.0	231.5	214.0	22.	228.0	234.5	47.5	58.5
3955	51.0	48.5	135.5	219.0	217.5	138.5	213.	214.5	234.5	47.5	58.5
3961	272.0	260.0	200.5	104.0	83.0	211.5	96.	84.0	104.0	135.0	146.5
3962	220.0	214.0	204.5	219.0	217.5	227.0	237.	232.5	245.0	47.5	58.5
3963	224.0	233.0	259.0	267.0	264.0	254.5	234.	245.5	104.0	47.5	58.5
3964	278.0	252.0	239.0	229.0	221.5	240.0	207.	203.5	104.0	169.0	192.0
3991	244.0	286.0	270.0	229.0	229.0	293.0	238.	228.0	104.0	178.5	58.5
3993	216.0	82.0	211.0	120.0	135.5	185.5	179.	196.0	104.0	47.5	58.5
3996	177.0	126.0	100.5	223.0	235.0	135.0	231.	236.5	104.0	47.5	58.5
3999	216.0	206.0	169.0	89.5	83.0	177.5	96.	92.5	211.0	123.0	139.0

SUMMARY STATISTICS FOR 293 OBSERVATIONS

VARIABLE	SUM	AVERAGE	STAND. DEV.	MINIMUM	MAXIMUM	COEF. OF VARIATION
USTSTA65	4414.35	15.0660	9.35165	.0	65.1000	.620710
USTSTA70	3441.87	11.7470	8.95149	.0	69.3000	.762022
USWTTF70	2507.58	8.55828	6.23957	.0	43.6000	.729068
FRSMTF70	3279.18	11.1917	11.8351	.0	120.000	1.05749
FRWTTF70	3309.77	11.2962	10.6607	.0	106.000	.943742
USSMPTAR	2883.97	9.84292	6.20178	.0	33.6000	.630076
FRSMPTAR	3124.27	10.6631	8.05633	.0	79.7000	.753661
FRWTDTAR	3123.77	10.6613	7.70947	.0	73.7000	.723124
NTBUS	228.973	.781479	2.12105	.0	20.0000	2.71415
NTBFRN	391.551	1.33635	2.15393	.0	11.6666	1.61180
NTBWTD	162.488	.554567	1.04328	.0	7.29160	1.88126

Source: Statistics and ranks were computed from the

PART II

Effective Tariff Protection in Major Trading Countries

In considering tariff protection, there are many meaningful modes of analysis. One approach is to consider the linkage between product tariffs, imports, domestic prices, and domestic production. The objective is to take account of (and hopefully measure) the effect of a tariff on a tariff inclusive import price. A tariff that "matters" will then allow the producer to charge more for an equivalent domestic product and thus continue its production in the face of import competition. A "probable effects" analysis of a tariff change would then require further information on domestic supply and demand price responses (elasticities) in order to determine the production, employment, and trade effects of the tariff change. Analysis of this type (termed partial-equilibrium) is useful and necessary in considering probable economic effects of tariff changes during a tariff negotiation. This analysis would be even more useful if some overall economic modeling framework were applied to allow measurement of net effects of trade on production and employment. 1/

The shortcoming of partial equilibrium analysis is its limitation only to the product price effect. If tariffs indeed do matter, then broad changes in the tariff structure should produce broad changes in the domestic price structure. These should significantly influence

1/ Thus, when domestic industry losses are contemplated from a tariff cut, any possible gain due to other countries' tariff cuts should also be calculated.

not only product prices, but also domestic production costs. It is the latter consideration of production cost effect that is the weakest theoretical link in most partial equilibrium analysis. 1/

The Effective Tariff (ET) approach is an attempt to overcome the partial equilibrium approach's neglect of the input cost effects of tariffs. Although it introduces other shortcomings which result basically from the lack of data needed to do complete calculations, 2/ it does provide a more general consideration of tariff protection and its economic effects. The superiority of one approach over the other depends partly upon the questions asked and the overview of protection desired. It also depends partly on the success of the two approaches in empirically exploring the past economic effects of protection and changes in protection. The ET concept tries to measure the net effects of all tariffs in the economy on each sector. It gives the net effect as percentages of what value-added would be without any protection (i.e., free-trade value-added).

In this study, value-added is defined as total sales value minus purchased material inputs and services. This definition makes value-added

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1/ It is true that the industry price response measures may be influenced by the industry's material input cost structure and thus would be partially accounted for. Profits in an industry that had many purchased inputs would probably be more sensitive to product price changes than for one that had few input costs to consider.

2/ A complete study of the effect of protection on production costs would need a thorough knowledge of input requirements, of possible substitutions that might occur with relative input price changes, of supply price responses, and other information. Much of the economic literature devoted to effective tariff protection deals with models which try to take account of the shortcomings that are embedded in the calculations of effective rates. See Effective Tariff Protection, edited by H. Grubel and H. Johnson, General Agreement on Tariffs and Trade, Geneva, Switzerland, 1971.

the net earnings from production which are paid to investors as profits and to workers as wages. 1/ The ET concept is an attempt to measure how tariffs (affecting both product prices and input costs) influence profits and wages in an industry. The base of measurement is what the profits and wages fund would be if there were no protection at all.

The Calculating Formulae

Define

t_i nominal tariff on the product of the i 'th industry.

P_i, P_i' free trade and protection product prices, respectively.

Practicality dictates the assumption that $P_i' = P_i(1 + t_i)$ (i.e. tariffs matter 100 percent).

V_i, V_i' free trade and protected value added per unit output.

Then: $V_i \equiv P_i - \Sigma_j a_{ij} P_j$ where a_{ij} is the physical amounts of industry j's output used as an input to industry i. (Note that $\equiv$ means a definition). 2/

1/ This definition was chosen in order to use the 1963 Input-Output (IO) table to estimate sector input costs. The definition also allows the use of the model described in Part III.

2/ One of the limitations in calculating the ET rate is that input coefficients are assumed to be constant irrespective of relative input price changes. This is unrealistic. Also, no assumptions are made on how capital and labor might respond to protection-caused changes in the value-added fund. However, even though the measurement assumes linear production relations (no substitution, no scale economies) and is static (no supply or demand responses over time), it can be strongly argued that the measurement problems of the variables in even the most simple ET formulas are large enough to make more complicated formulas empirically useless.

$$ET_i = \frac{V_i'}{\frac{P_i'}{1 + t_i} - \sum_j a_{ij} \frac{P_j'}{1 + t_j}} - 1$$

$$(1) \quad ET_i = \frac{V_i'}{\frac{1}{1 + t_i} - \sum_j \left(\frac{a_{ij} P_j'}{P_i'} \right) \frac{1}{1 + t_i}} - 1$$

Formula (1) is the calculating formula used in the calculation of ET rates in this study. 1/

One can also start with the definition and derive formula (2) which is useful for expository purposes.

$$T_i = \frac{V_i' - V_i}{V_i}$$

$$= \frac{P_i (1 + t_i) - \sum_j a_{ij} P_j (1 + t_i) - \left[P_i + \sum_j a_{ij} P_j \right]}{V_i}$$

$$= \frac{P_i t_i - \sum_j a_{ij} P_j t_j}{V_i}$$

$$(2) \quad ET_i = \frac{t_i - \sum_j \left(\frac{a_{ij} P_j}{P_i} \right) t_j}{V_i / P_i}$$

Formula (2) shows that ET_i is larger (a) the larger the tariff on output, (b) the smaller the weighted sum of the tariff on inputs to production, and (c) the smaller the value-added share of total output.

1/ In formula (1), input weights $\left[\frac{(a_{ij} P_j')}{P_i'} \right]$ are observed values.

The $\left[\frac{(a_{ij} P_j')}{P_i'} \right]$'s as well as the V_i coefficient are taken directly from an adjusted version of the 1963 input-output table.

On the average, ET rates tend to be higher than NT rates, because the denominator in formula (2) is less than one. This will not be true, however, if the weighted sum of the tariffs raising input costs is large enough. It is even possible for the weighted sum of input tariffs to exceed the output tariff. This leads to a negative ET rate. Such a rate means that when the entire tariff structure is considered, the net effect harms rather than helps wage and profits in the industry. It is also possible that a particular ET rate will be infinitely large. 1/

Calculations of Effective Tariff Rates

The ET rates were calculated using the 1963 U.S. input-output table and the nominal tariff averages for IO-SIC sectors shown in Part I. All of the concordance and averaging problems involved in obtaining the nominal rates in Part I are therefore included in the ET calculations. In addition, there are some problems in using an input-output table as a source of weights for input tariffs.

Calculations were done using U.S. tariffs from U.S. sources plus United States and foreign tariffs from GATT sources. The ET rates derived from U.S. tariff sources are considered better for U.S. ET rate comparisons among industries. However, for comparisons of U.S. and foreign ET rates, the GATT tariff sources were the only realistic alternatives

1/ If protection is large enough on a very noncompetitive industry, it can survive. An industry which would not be able to cover its input costs under free trade (meaning negative free trade value-added) would survive with high enough protection. Calculation of ET rates for these industries would approach infinity from the plus or minus side. For a detailed explanation see: Effective Tariff Protection and Comparative Advantage in Southern Africa, Vernon Roningen, Unpublished Ph.D. dissertation, Columbia University, New York, N.Y., 1972, pp. 42-49.

available. The use of the U.S. IO table for foreign ET calculation assumes that foreign countries' inter-industry production structures are identical to those of the United States. The lack of foreign input-output tables of comparable size and sector definition led to the use of the U.S. table for all ET calculations. 1/

Even though the tables in Part I show one tariff average for each sector, the products included in many sectors' output are both of an intermediate and final nature. For example, the average tariff rate covering the final output products of the textile sectors (sold to consumers and other industries) may not be the same as the rate covering the output products of the textile sector sold only to other industries as manufacturing inputs. In order to allow for different tariff averages for an industry's output and the industry's input into other industries, two vectors of tariff averages were calculated. The output average is the one covering all products shown in the tables in Part I. The input vector omits AVE's of TSUSA numbers which are designated as final manufactured products on the Trade Commission tapes. 2/

Even though this procedure tried to provide different tariff averages for input and output tariffs, the averages turned out to be similar for most IO-SIC industries. 3/

1/ The use of one I-O table for various countries' ET calculations precludes ET differences due to IO table definitional differences or structural differences.

2/ See Appendix C for the details on how this input tariff sector was prepared.

3/ Tables of both NT and ET averages in the study contain only the overall NT average for I-O SIC sectors. Thus, when comparisons are made of NT and ET rates, the single vector of NT rates shown and used is not exactly the same as the input actually used in the ET calculations. However because there was so little difference between the input and output sector and because of space limitations, only the average NT sector was presented in the text. Appendix D contains the actual tariff vectors used along with alternative ET calculations using only the one NT (output)

This study used a version of the 1963 input-output table that was adjusted in several ways. First, indirect taxes were removed, under the assumption that the final consumer pays them in the long run. Second, some of the transfer adjustments in the table were left out of the final coefficients used. This avoided double counting problems that would arise if the transfers were left in. Values of total shipments derived from the IO-table with the above adjustments were checked against values from other sources which had similarly adjusted data. Finally, adjustments were made to some sectors to improve the credibility of the ratio of value-added to total output. This was done on a systematic basis and tended to eliminate the instability of ET rates for a few troublesome sectors. Checks showed that ET rates for most sectors were about the same using the adjusted and unadjusted versions of the IO table. However the adjustments did generally stabilize the ET rates without significantly affecting their rank behavior. The details of IO table adjustments and ET calculations are given in Appendix C.

Effective Tariff Rates

The effective tariff rates using import-weighted tariff averages are shown in Table 8. Those using unweighted tariff averages are shown in Table 10. Tables 9 and 11 give the rank correlation information and summary statistics for the data in Tables 8 and 10, respectively. Table 12 gives rank correlation coefficients between the ET rates in Tables 8 and 10. Chart 3 shows an ET tariff profile where 1963 IO value-added

was used to represent sector size. Finally, Chart 4 graphs the difference between U.S. and foreign ET rates as described by the difference between columns 8 and 13 of Table 10. 1/

The first point to be made from Tables 9 and 11 is that the nominal tariff rates and the effective tariff rates are quite closely correlated on a ranking basis. The rank correlation coefficient (for data from U.S. sources) varies from 0.92 to 0.94. Therefore the use of the nominal tariff rate as a proxy for the ET rate is reasonable in a statistical analysis or in rank comparisons of tariff heights.

Part I showed that the concordance problem is quite serious when trying to measure tariff heights. This was reflected in a rank correlated coefficient of about 0.8 between U.S. nominal tariffs directly from U.S. sources and U.S. nominal rates taken from GATT sources. This problem is slightly worse when the nominal rates are used in ET calculations since the rank correlation coefficient declines to about 0.75.

Generally, the rank correlations show that if certain relationships hold between various sets of nominal tariff rates, the relationships will hold to a slightly lesser extent between the effective rates. For example, U.S. and foreign nominal tariff averages rank correlate around 0.63 while U.S. and foreign effective tariff averages rank correlate about 0.53.

1/ Note that even though adjustments were made to avoid unstable ET rates, if the calculated rate was over 10,000.0 percent, the rates were then set to 9,999.9 percent. This procedure was rarely necessary and was only used to avoid adjustment in the ranking programs for unstable rates. However, all such unstable rates have been omitted from the Tables.

One expected result is that the overall variation in ET rates is much greater than that of nominal rates. This is shown in the summary statistics in Tables 9 and 11 where the coefficient of variation for ET rates is well over twice that of nominal rates. 1/

Table 13 presents overall weighted tariff averages for 1965, 1970, and PKR nominal and effective tariff rates. These are more meaningful for assessing overall effective tariff protection than the simple averages appearing in Tables 9 and 11. It is known that free trade value-added weights are appropriate for the aggregate of ET rates. 2/ It can also be argued that a value-added weighted average effective tariff rate covering all sectors of the economy roughly represents the total cost of protection. This is a static cost measure in the sense that if resources were reallocated on a costless basis to industries and products with zero ET rates, the value-added weighted average rate would represent the loss in real income incurred by operating protected and therefore inefficient industries. This cost estimate is an upper range estimate since, if protection were removed, exchange rate changes and price changes of nontraded goods and services would produce a lower cost estimate. 3/

On the basis of Table 13 it would appear that the cost of present protection in the United States is a loss in real income of about

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1/ This statistic varies greatly if one or more ET rates becomes very large.

2/ See: The Structure of Protection in Developing Countries, Bela Belassa and associates, Johns Hopkins Press, Baltimore, 1971; and Effective Tariff Protection and Comparative Advantage. . ., p. 296, op. cit.

3/ See: Effective Tariff Protection . . ., op. cit., Ch. VIII. The argument assumes an equilibrium in the factor markets.

five percent. This is down from an 8 or 9 percent cost in 1965 but is still more than half the 1965 cost. Considering that these costs do not include those of non-tariff barriers, further tariff negotiations can indeed play a role in increasing national welfare. It is also evident that if tariffs were eliminated, the adjustment costs (in term of factor returns diminishing in certain sectors) would probably be as great as those occurring during the Kennedy Round tariff reductions.

Even though the weights used are not quite appropriate, the overall nominal tariff averages in Table 13 indicate that elimination of tariffs would probably not have a very large overall price effect. Thus, tariff reductions probably could not be counted upon as the chief weapon in a major anti-inflation effort.

As in any statistical evaluation, what is true for the average is not by definition true for all observations. Hence references to individual sector data will require careful examination of the relative behavior of nominal and effective rates for each sector.

Table 8.--Effective tariff rates for major trading areas using import weighted nominal tariff averages

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE; NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		1965		1970		PKR							
		N	E	N	E	N	E	US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
101	DAIRY FARM PRODUCTS-----(101)----	8.6	18.6	6.1	11.1	7.8	18.2	14.8	-6.2	81.6	-10.2	16.4	17.2
102	POULTRY & EGGS-----(102)----	10.3	54.2	10.7	73.9	9.0	57.2	77.8	-7.7	7.1	33.3	10.1	5.4
103	MEAT, ANIMALS, & MISCELLANEOUS LIVESTOCK PRODUCTS-----(103)----	4.2	1.6	7.7	15.0	7.6	14.8	7.4	1.4	2.7	0.9	2.0	1.6
201	COTTON-----(201)----	5.3	9.5	5.6	10.3	5.7	10.6	8.1	-1.9	-2.0	3.5	-0.6	-0.7
202	FOOD FEED GRAINS & GRASS SEEDS-----(202)----	6.8	11.5	5.9	9.6	6.0	9.6	8.4	3.7	2.7	11.0	5.4	4.8
203	TOBACCO-----(203)----	17.1	27.6	21.9	36.9	20.3	33.6	35.6	41.3	36.9	-	-	-
204	FRUITS & TREE NUTS-----(204)----	0.3	-0.9	0.2	-0.9	0.2	-0.7	10.7	17.8	5.3	17.4	11.5	11.9
205	VEGETABLES, SUGAR & MISC. CROPS-----(205)----	11.4	17.4	8.9	13.2	8.8	13.0	7.1	5.8	0.4	8.9	4.7	4.1
206	OIL BEARING CROPS-----(206)----	0.7	-0.8	0.3	-1.8	0.1	-2.3	1.9	0.1	0.9	8.6	2.4	2.0
207	FOREST, GREENHOUSE & NURSERY PRODUCTS-----(207)----	2.8	2.8	2.0	1.9	1.7	1.5	3.8	10.4	7.0	5.0	7.7	7.7
300	FORESTRY & FISHERY PRODUCTS-----(300)----	1.2	-0.3	0.8	-0.5	0.6	-0.8	8.8	15.9	9.6	12.8	12.1	11.7
500	IRON & FERROALLOY ORES MINING-----(500)----	0.1	-1.7	0.1	-1.1	0.4	-1.1	1.1	-1.8	-1.6	-2.0	-1.8	-1.8
601	COPPER ORE MINING-----(601)----	0.6	-1.4	0.0	-1.9	1.2	-0.4	0.9	-2.2	-2.0	2.0	-1.2	-1.3
602	NONFERROUS METAL ORES MINING, EXCEPT COPPER-----(602)----	2.1	1.0	1.9	1.4	1.9	1.3	0.7	-1.0	-0.4	-0.9	-1.4	-1.0
700	COAL MINING-----(700)----	0.0	-1.8	0.0	-1.3	0.0	-1.5	-1.2	1.5	-1.8	-1.9	-1.1	-0.7
800	CRUDE PETROLEUM & NATURAL GAS-----(800)----	3.0	4.0	3.0	4.2	3.0	4.3	1.6	0.4	-0.3	11.4	2.8	2.0
900	STONE & CLAY MINING & QUARRYING-----(900)----	0.2	-2.0	0.1	-1.6	0.1	-2.0	3.3	1.4	5.5	2.4	3.6	3.2
1000	CHEMICAL & FERTILIZER MINERAL MINING-----(1000)----	4.1	4.7	3.2	3.6	3.0	2.6	3.4	1.3	1.6	0.5	1.1	1.2
1419	CANE SUGAR, EXCLUDING REFINING-----(2061)-+ CANE SUGAR REFINING-----(2062)-+ BEET SUGAR-----(2063)----	7.3	7.1	6.7	8.0	7.8	10.9	4.6	-4.4	65.1		82.7	68.2
1701	WOVEN CARPETS & RUGS-----(2271)-+ TUFTED CARPETS & RUGS-----(2272)-+ CARPETS & RUGS, N.E.C.-----(2279)----	17.2	49.1	13.5	18.1	10.2	6.9	7.9	67.7	132.3	45.2	52.7	70.5
1804	MENS'S & BOYS' SUITS, COATS & OVERCOATS-----(2311)-+ MEN'S & BOYS' SHIRTS, COLLARS & NIGHTWEAR-----(2321)-+ MEN'S & BOYS' UNDERWEAR-----(2322)-+ MEN'S & BOYS' NECKWEAR-----(2323)-+ MEN'S & BOYS' SEPARATE TROUSERS-----(2327)-+ MEN'S & BOYS' WORK CLOTHING-----(2328)-+ MEN'S & BOYS' CLOTHING, N.E.C.-----(2329)-+ WOMEN'S & JUNIORS' BLOUSES, WAISTS, & SHIRTS-----(2331)-+ WOMEN'S & JUNIORS' DRESSES-----(2335)-+ WOMEN'S & JUNIORS' SUITS, SKIRTS, & COATS-----(2337)-+ WOMEN'S & JUNIORS' OUTERWEAR, N.E.C.-----(2339)-+ WOMEN'S, CHILDRENS' & INFANTS' UNDERWEAR & NIGHTWEAR-----(2341)-+ CORSETS & ALLIED GARMENTS-----(2342)-+ MILLINERY-----(2351)-+ HATS & CAPS, EXCEPT MILLINERY-----(2352)-+ GIRLS' & INFANTS' DRESSES, BLOUSES, WAISTS & SHIRTS-----(2361)-+ GIRLS' & INFANTS' COATS & SUITS-----(2363)-+ GIRLS' & INFANTS' OUTERWEAR, N.E.C.-(2369)-+ FUR GOODS-----(2371)-+ DRESS & WORK GLOVES, EXCEPT KNIT & ALL-LEATHER-----(2381)-+ ROBES & DRESSING GOWNS-----(2384)-+ RAINCOATS & OTHER WATERPROOF OUTER GARMENTS-----(2385)-+ LEATHER & SHEEP LINED CLOTHING-----(2386)-+ APPAREL BELTS-----(2387)-+ APPAREL & ACCESSORIES, N.E.C.-----(2389)-+ FURS, DRESSED & DYED (INCLUDED IN SIC 3999 IN 1967)-----(3992)----	23.4	34.4	25.9	40.7	25.5	42.3	18.6	13.1	23.0	23.4	20.6	19.2
1925	COMPLETE GUIDED MISSILES-----(1925)----	1.4	0.4	1.7	0.6	8.3	11.6	25.4	4.0	36.3	28.7	15.0	17.4
1929	AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C.-----(1929)----	1.4	-3.3	1.7	-1.3	8.3	11.4	25.5	2.6	33.3	32.0	14.4	16.4
1931	TANKS & TANK COMPONENTS-----(1931)----	2.9	-11.3	6.6	8.1	5.0	3.8	-1.1	-17.2	59.6	-9.0	-2.6	3.5
1941	SIGHTING & FIRE CONTROL EQUIP.-----(1941)----	1.4	-5.4	1.7	-2.9	8.3	10.2	-5.1	-5.0	-4.8	-5.2	-5.5	-5.0
1951	SMALL ARMS-----(1951)----	16.2	28.0	11.0	18.5	8.1	12.6	17.2	9.5	8.8	29.3	12.3	11.3
1961	SMALL ARMS AMMUNITION-----(1961)----	4.6	5.3	4.0	4.2	8.9	10.2	19.9	9.5	27.1	26.1	15.7	17.0
1990	GUNS, HOWITZERS, MORTARS & RELATED EQUIPMENT-----(1911)-+ ORDNANCE & ACCESSORIES, N.E.C.-----(1999)----	1.4	-1.3	1.7	0.0	8.3	11.7	25.1	3.9	32.9	32.3	15.3	17.1
2011	MEAT PACKING PLANTS-----(2011)----	7.6	35.4	4.9	-6.6	4.7	-7.0	2.3	35.4	17.7	61.2	30.9	30.3
2013	SAUSAGES & OTHER PREPARED MEATS-----(2013)----	10.4	28.2	5.2	8.0	4.8	7.5	3.0	38.9	11.7	85.6	38.7	33.3
2015	POULTRY DRESSING PLANTS-----(2015)----	9.9	11.2	11.7	19.9	11.5	27.3	1.5	64.0	13.2	83.3	45.5	40.6
2021	CREAMERY BUTTER-----(2021)----	12.0	57.6	9.5	31.4	11.8	49.6	37.9	-13.0	-23.9		22.7	10.8
2022	CHEESE, NATURAL & PROCESSED-----(2022)----	15.5	48.1	13.0	37.4	10.8	21.9	35.4	-5.8	-10.3		41.6	21.7
2023	CONDENSED & EVAPORATED MILK-----(2023)----	0.8	-16.6	0.7	-14.7	0.5	-16.3	7.2	-4.4	14.8	173.5	19.0	18.6
2024	ICE CREAM & FROZEN DESERTS-----(2024)----	18.8	54.2	18.8	57.5	18.8	57.6	12.3	19.0	13.8	68.5	24.0	22.3
2026	FLUID MILK-----(2026)----	8.6	12.2	6.1	4.3	7.8	8.7	-0.3	28.6	8.0	103.6	29.6	25.3
2031	CANNED & CURED SEA FOODS-----(2031)----	8.0	20.6	6.1	16.0	4.6	11.7	3.0	43.5	13.3	45.3	26.2	26.6
2032	CANNED SPECIALTIES-----(2032)----	12.8	24.9	8.8	12.7	6.5	6.7	12.5	54.1	44.2	84.9	46.5	48.5
2033	CANNED FRUITS & VEGETABLES-----(2033)----	10.4	24.2	9.9	27.6	9.8	29.6	18.7	34.7	12.1	39.1	21.9	22.2
2034	DEHYDRATED FRUITS & VEGETABLES-----(2034)----	14.8	31.8	12.7	25.3	11.9	22.0	17.5	24.7	11.8	27.5	18.3	18.2
2035	PICKLES, SAUCES, & SALAD DRESSINGS-----(2035)----	11.5	22.3	7.9	3.1	5.9	-1.4	3.4	68.6	33.7		74.7	70.5

Table 8.--Effective tariff rates for major trading areas using import weighted nominal tariff averages --Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE: NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		1965		1970		PKR							
		N	E	N	E	N	E	US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
2036	FRESH OR FROZEN PACKAGED FISH--------(2036)----	1.3	-5.1	1.1	-3.0	0.9	-2.2	-4.7	48.6	-0.4	21.2	18.4	17.9
2037	FROZEN FRUITS & VEGETABLES----------(2037)----	13.0	28.2	11.4	30.4	11.4	32.4	35.7	35.1	10.3	39.0	23.1	23.7
2041	FLOUR & OTHER GRAIN MILL PRODUCTS---(2041)----	2.5	-13.0	4.6	5.7	3.0	-5.4	10.0	-1.0	57.7	.	53.7	51.2
2042	PREPARED FEEDS FOR ANIMALS & FOWLS----------(2042)----	3.6	-17.8	2.6	-14.8	2.0	-12.0	-11.7	1.3	1.2	-21.9	-6.0	-4.1
2043	CEREAL PREPARATIONS----------(2043)----	4.6	3.8	2.8	0.1	2.3	0.0	0.3	-7.0	58.5	159.9	43.6	36.3
2044	RICE MILLING----------(2044)----	7.2	22.3	7.3	35.0	5.4	12.2	11.0	-6.5	58.3	.	46.7	46.6
2045	BLENDED & PREPARED FLOUR----------(2045)----	2.3	-7.0	2.3	-6.0	2.3	-4.1	3.0	-1.9	11.0	34.0	5.4	6.7
2046	WET CORN MILLING----------(2046)----	8.6	15.4	7.9	14.6	3.4	3.3	2.5	15.1	20.8	33.5	18.4	19.1
2051	BREAD, CAKE, & RELATED PRODUCTS-----(2051)----	5.1	5.3	3.5	2.2	2.4	0.7	6.2	-4.1	14.2	35.3	15.1	12.5
2052	COOKIES & CRACKERS----------(2052)----	5.9	3.9	4.2	1.7	2.8	0.0	9.0	-5.0	13.6	40.5	15.1	12.2
2071	CONFECTIONERY PRODUCTS----------(2071)----	12.7	32.4	9.2	22.6	7.1	16.1	23.5	29.2	16.5	63.6	26.6	26.1
2072	CHOCOLATE & COCOA PRODUCTS----------(2072)----	6.1	10.7	3.0	2.7	2.3	1.3	-2.0	19.0	0.0	6.4	3.2	5.0
2073	CHEWING GUM----------(2073)----	9.1	11.7	6.5	8.1	4.6	5.5	1.3	8.5	5.7	11.2	6.5	6.8
2082	MALT LIQUORS----------(2082)----	9.1	12.6	5.8	7.3	4.1	4.8	6.9	7.7	13.9	18.6	13.1	12.7
2083	MALT----------(2083)----	5.6	10.3	5.7	14.0	5.4	12.0	19.6	-8.0	30.3	97.5	35.5	23.7
2084	WINES, BRANDY, & BRANDY SPIRITS-----(2084)----	10.5	16.7	9.1	14.7	8.3	13.6	7.0	52.1	9.7	114.8	42.8	38.9
2085	DISTILLED LIQUOR, EXCEPT BRANDY-----(2085)----	18.4	23.2	12.6	15.7	9.1	11.2	11.7	35.1	17.7	149.9	44.7	40.1
2086	BOTTLED & CANNED SOFT DRINKS--------(2086)----	2.0	-5.2	1.2	-5.6	1.1	-4.8	-1.5	13.3	-2.7	25.8	10.4	8.4
2087	FLAVORING EXTRACTS & SYRUPS, N.E.C.-(2087)----	16.8	31.1	15.6	29.7	13.8	25.0	2.7	19.8	-1.1	18.6	8.5	7.9
2091	COTTONSEED OIL MILLS----------(2091)----	0.0	-19.5	0.1	-19.0	0.0	-19.2	-6.1	17.0	14.0	15.7	26.5	17.5
2092	SOYBEAN OIL MILLS----------(2092)----	48.0	159.0	31.9	85.0	20.8	48.8	8.3	15.7	14.4	18.4	18.4	15.6
2093	VEGETABLE OIL MILLS, N.E.C.----------(2093)----	5.0	12.9	6.4	20.7	5.5	17.5	13.6	26.5	24.1	26.9	30.1	25.5
2094	ANIMAL & MARINE FATS & OILS----------(2094)----	0.6	-1.9	0.2	-2.3	0.2	-2.0	5.4	0.3	6.2	3.4	5.9	3.8
2095	ROASTED COFFEE----------(2095)----	0.0	-5.2	0.0	-3.7	0.0	-2.8	-7.9	63.3	-2.7	46.3	20.9	24.3
2096	SHORTENING & COOKING OILS----------(2096)----	28.8	.	28.8	.	22.9	.	.	87.2	38.2	63.6	34.8	44.0
2097	MANUFACTURED ICE----------(2097)----	0.0	-1.4	0.0	-1.0	0.0	-0.8	1.4	1.8	-1.7	2.7	2.3	1.5
2098	MACARONI & SPAGHETTI----------(2098)----	5.5	6.4	3.6	1.5	2.7	1.2	-0.2	-8.7	19.7	99.3	27.2	25.4
2099	FOOD PREPARATIONS, N.E.C.----------(2099)----	8.1	12.5	6.5	9.8	5.3	7.4	6.4	24.7	14.3	27.7	18.8	18.9
2100	NAILED WOODEN BOXES & SHOOK---------(2441)-+ WIREBOUND BOXES & CRATES----------(2442)-+ VENEER & PLYWOOD CONTAINERS, EXCEPT + EXCEPT BOXES & CRATES----------(2443)-+ COOPERAGE----------(2445)----	4.7	6.0	5.5	12.5	5.1	11.9	9.3	13.9	24.4	14.2	15.0	16.5
2111	CIGARETTES----------(2111)----	40.8	66.6	40.8	69.0	48.5	87.8	18.9	169.9	42.3	.	.	179.4
2121	CIGARS----------(2121)----	0.0	-10.4	20.4	30.1	13.0	14.2	19.3	272.6	49.1	.	.	.
2131	CHEWING & SMOKING TOBACCO----------(2131)----	12.4	10.7	12.7	13.7	13.2	14.9	19.7	285.0	47.6	.	.	.
2141	TOBACCO STEMMING & REDRYING---------(2141)----	18.0	2.2	16.5	3.6	17.2	10.7	25.7	29.0	26.8	.	151.4	109.8
2201	BROAD WOVEN FABRIC MILLS, COTTON----(2211)-+ BROAD WOVEN FABRIC MILLS, MAN-MADE + FIBER & SILK----------(2221)-+ BROAD WOVEN FABRIC MILLS, WOOL: + INCLUDING DYEING & FINISHING-------(2231)-+ FINISHERS OF BROAD WOVEN FABRICS OF + COTTON----------(2261)-+ FINISHERS OF BROAD WOVEN FABRICS OF + MAN-MADE FIBER & SILK----------(2262)----	21.3	46.7	24.1	58.3	22.7	56.8	37.4	26.1	40.5	13.4	29.2	29.6
2241	NARROW FABRIC MILLS----------(2241)----	20.5	34.6	17.0	26.1	14.3	22.3	13.1	10.3	15.4	10.8	13.0	12.9
2251	WOMEN'S HOSIERY, EXCEPT SOCKS--------(2251)----	26.3	45.2	29.8	53.5	28.2	52.5	54.2	19.6	49.8	18.3	31.9	33.4
2252	HOSIERY, N.E.C.----------(2252)----	26.3	51.2	33.8	78.7	33.6	85.2	34.9	21.9	57.3	23.7	33.6	35.6
2253	KNIT OUTERWEAR MILLS----------(2253)----	27.6	49.8	33.8	71.9	33.6	77.8	35.0	23.3	54.3	26.1	33.5	34.9
2254	KNIT UNDERWEAR MILLS----------(2254)----	27.5	49.1	35.1	78.7	36.2	91.1	55.1	33.8	64.3	38.1	42.6	44.9
2256	KNIT FABRIC MILLS----------(2256)----	27.5	83.1	27.2	80.8	27.2	97.2	167.0	30.4	125.3	34.3	52.4	58.7
2259	KNITTING MILLS, N.E.C.----------(2259)----	29.5	67.4	18.2	26.0	14.3	18.5	28.2	30.4	58.8	20.0	34.1	37.4
2280	FINISHERS OF TEXTILES, N.E.C.--------(2269)-+ YARN SPINNING MILLS----------(2281)-+ YARN THROWING, TWISTING, & WINDING + MILLS----------(2282)-+ YARN MILLS, WOOL, INCLUDING CARPET + & RUG YARN----------(2283)----	17.2	41.1	17.5	42.6	15.0	36.1	23.2	17.8	30.3	18.5	22.9	22.5
2284	THREAD MILLS----------(2284)----	18.0	35.2	17.8	33.8	17.6	38.7	24.8	12.4	9.6	20.1	15.5	13.1
2291	FELT GOODS, N.E.C.----------(2291)----	26.0	154.7	20.6	98.1	17.2	77.9	72.9	23.5	111.2	18.9	42.0	47.1
2292	LACE GOODS----------(2292)----	32.5	63.4	29.7	56.6	26.1	50.2	22.5	20.1	38.4	25.3	29.2	28.8
2293	PADDINGS & UPHOLSTERY FILLING--------(2293)----	23.2	193.5	19.7	135.3	16.9	110.9	23.8	1.3	38.3	-0.5	10.0	12.8
2294	PROCESSED TEXTILE WASTE----------(2294)----	9.0	35.2	8.3	32.6	5.6	19.6	10.1	9.7	1.5	4.3	9.9	7.1
2295	COATED FABRICS, NOT RUBBERIZED-------(2295)----	13.0	2.5	10.7	-0.7	9.4	-1.0	-1.4	10.8	29.1	7.4	20.1	18.9
2296	TIRE CORD & FABRIC----------(2296)----	6.4	-14.4	15.8	38.3	11.6	23.6	30.6	48.4	126.5	6.4	58.0	64.7
2297	SCOURING & COMBING PLANTS----------(2297)----	15.6	67.9	16.0	52.5	13.9	40.3	92.2	4.2	2.6	-2.5	3.1	2.4
2298	CORDAGE & TWINE----------(2298)----	5.5	5.0	5.4	5.0	5.1	5.9	42.2	29.0	0.8	17.9	24.5	18.6
2299	TEXTILE GOODS, N.E.C.----------(2299)----	3.0	-1.8	2.7	-0.8	1.9	-1.0	17.6	10.6	17.3	8.4	13.0	13.0
2391	CURTAINS & DRAPERIES----------(2391)----	18.4	23.5	15.5	11.0	13.7	8.3	15.4	46.4	54.9	41.6	44.2	47.0
2392	HOUSEFURNISHINGS, N.E.C.----------(2392)----	19.9	45.6	16.4	27.4	13.9	20.8	15.5	19.7	42.7	20.8	26.8	27.9
2393	TEXTILE BAGS----------(2393)----	8.6	9.1	5.4	-10.8	-3.9	-14.5	-24.1	129.5	.	-11.2	41.8	82.9
2394	CANVAS PRODUCTS----------(2394)----	14.1	13.9	11.3	6.3	8.2	0.9	-13.1	-10.6	-13.3	-8.5	-11.6	-11.5
2395	PLEATING & STITCHING----------(2395)----	39.1	66.7	26.9	38.6	19.6	25.4	17.6	17.5	34.2	21.8	25.3	25.0
2396	AUTOMOTIVE & APPAREL TRIMMINGS-------(2396)----	22.0	50.9	17.9	37.6	14.9	28.8	11.1	10.6	27.0	18.8	18.3	18.6
2397	SCHIFFLI MACHINE EMBRODERIES---------(2397)----	35.4	73.2	24.3	41.4	18.0	28.1	20.4	14.9	29.0	27.1	23.9	22.7
2399	FABRICATED TEXTILE PRODUCTS, N.E.C.-(2399)----	21.9	36.2	16.3	21.9	13.6	17.2	18.4	15.7	46.3	24.3	27.1	28.0
2411	LOGGING CAMPS & LOGGING CONTRACTORS----------(2411)----	0.0	-2.9	0.0	-2.1	0.0	-1.7	-7.5	-9.0	-6.5	-8.8	-7.0	-7.2
2421	SAWMILLS & PLANING MILLS, GENERAL---(2421)----	0.9	1.3	0.3	0.2	0.0	-0.5	1.7	4.9	-1.2	0.2	3.3	2.2
2426	HARDWOOD DIMENSION & FLOORING-------(2426)----	11.8	33.4	7.1	18.7	5.0	12.8	16.0	15.5	26.3	31.9	24.4	22.4
2429	SPECIAL PRODUCT SAWMILLS, N.E.C.----(2429)----	0.0	-0.7	0.0	-0.5	0.0	-0.4	3.8	10.4	6.0	5.2	8.6	7.7
2431	MILLWORK----------(2431)----	2.1	0.1	2.7	3.4	2.1	2.7	6.7	12.9	26.7	27.6	20.7	20.4
2432	VENEER & PLYWOOD----------(2432)----	12.5	31.3	12.6	33.7	12.5	34.3	21.3	16.7	26.3	20.8	18.5	19.6
2433	PREFABRICATED WOOD STRUCTURES--------(2433)----	13.4	37.9	9.5	25.6	6.6	16.8	-2.3	10.6	10.1	6.5	12.0	10.4
2491	WOOD PRESERVING----------(2491)----	7.0	18.3	6.0	17.6	4.1	11.0	3.9	14.9	15.0	15.7	19.9	17.0
2499	WOOD PRODUCTS, N.E.C.----------(2499)----	12.4	25.5	9.5	20.0	6.7	13.7	10.6	12.5	13.5	16.8	14.1	13.3

Table 8.--Effective tariff rates for major trading areas using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE: NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		1965		1970		PKR							
		N	E	N	E	N	E	US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
2500	FOLDING PAPERBOARD BOXES----------(2651)-+												
	SET-UP PAPERBOARD BOXES----------(2652)-+												
	CORRUGATED & SOLID FIBER BOXES------(2653)-+												
	SANITARY FOOD CONTAINERS----------(2654)-+												
	FIBER CANS, TUBES, DRUMS & SIMILAR + PRODUCTS----------(2655)----	12.5	23.9	8.8	18.1	6.5	13.7	11.5	23.0	15.0	4.7	14.9	15.5
2511	WOOD HOUSEHOLD FURNITURE----------(2511)----	13.0	26.6	9.3	18.7	6.8	13.3	14.5	12.8	33.0	20.7	22.0	21.7
2512	UPHOLSTERED HOUSEHOLD FURNITURE-----(2512)----	18.6	37.0	13.0	21.4	9.3	13.0	10.5	10.6	29.4	21.2	19.7	19.5
2514	METAL HOUSEHOLD FURNITURE----------(2514)----	17.6	40.7	12.3	26.3	8.8	16.9	13.9	10.3	34.2	19.4	21.2	21.0
2515	MATTRESSES & BEDSPRINGS----------(2515)----	18.4	40.0	15.7	33.7	13.8	30.0	10.8	11.1	31.0	22.4	20.7	20.5
2519	HOUSEHOLD FURNITURE, N.E.C.---------(2519)----	11.4	27.3	7.8	20.0	5.5	12.6	34.7	27.9	107.0	55.3	60.4	58.8
2521	WOOD OFFICE FURNITURE----------(2521)----	13.0	26.7	9.3	18.8	6.8	13.2	15.2	13.1	34.8	21.5	22.8	22.6
2522	METAL OFFICE FURNITURE----------(2522)----	17.6	32.4	12.3	21.5	8.8	14.3	12.3	10.3	28.3	17.4	18.6	18.5
2531	PUBLIC BUILDING FURNITURE----------(2531)----	11.6	21.4	8.0	14.0	5.6	8.9	14.7	12.2	36.6	21.5	23.0	22.9
2541	WOOD PARTITIONS & FIXTURES----------(2541)----	9.6	14.6	6.5	9.5	4.6	6.4	12.6	11.6	30.1	18.7	20.2	19.9
2542	METAL PARTITIONS & FIXTURES---------(2542)----	18.4	34.1	12.8	22.2	9.2	14.8	12.0	9.8	28.2	16.8	18.2	18.1
2591	VENETIAN BLINDS & SHADES----------(2591)----	18.4	37.7	12.8	24.2	9.2	15.7	13.1	10.0	30.8	19.2	19.4	19.3
2599	FURNITURE & FIXTURES, N.E.C.--------(2599)----	7.7	9.3	5.9	7.4	4.3	4.8	12.3	12.4	26.4	17.1	19.0	18.8
2605	COMMERCIAL PRINTING, EXCEPT LITHOGRAPHIC----------(2751)-+												
	COMMERCIAL PRINTING, LITHOGRAPHIC---(2752)----	5.0	7.6	3.4	5.1	2.9	4.5	4.3	6.6	18.0	3.4	8.1	9.5
2611	PULP MILLS----------(2611)----	0.0	-5.1	0.0	-3.0	0.0	-2.5	-2.7	-1.5	-4.2	8.4	-0.9	-0.8
2621	PAPER MILLS, EXCEPT BUILDING PAPER----------(2621)----	0.6	-2.8	0.3	-2.4	0.2	-2.1	4.5	24.7	23.0	15.1	24.7	22.6
2631	PAPERBOARD MILLS----------(2631)----	6.0	9.3	3.5	5.2	2.0	2.5	6.3	21.0	26.9	15.6	23.0	22.0
2641	PAPER COATING & GLAZING----------(2641)----	16.4	47.8	10.3	26.8	7.9	20.1	14.9	22.0	22.9	12.4	22.0	20.6
2642	ENVELOPES----------(2642)----	17.6	42.5	12.8	29.3	9.5	21.1	13.0	24.7	27.7	8.5	20.3	21.7
2643	BAGS, EXCEPT TEXTILE BAGS----------(2643)----	14.5	52.0	9.9	32.4	7.1	21.9	48.8	14.3	43.9	42.1	30.1	29.3
2644	WALLPAPER----------(2644)----	10.0	18.9	6.8	12.4	4.9	8.6	7.4	20.6	24.8	4.1	15.0	17.6
2645	DIE CUT PAPER & BOARD----------(2645)----	13.7	32.2	9.4	21.6	7.1	16.3	12.7	19.3	22.4	8.0	18.4	18.3
2646	PRESSED & MOLDED PULP GOODS---------(2646)----	8.2	14.1	5.6	9.4	4.0	6.4	10.2	25.4	13.6	7.0	19.6	17.5
2647	SANITARY PAPER PRODUCTS----------(2647)----	10.9	35.1	6.9	20.0	5.3	15.2	-5.8	8.5	15.2	14.3	12.4	12.2
2649	CONVERTED PAPER PRODUCTS, N.E.C.----(2649)----	15.1	33.5	10.7	22.9	7.7	16.0	14.3	17.1	17.5	8.3	16.1	15.6
2661	BUILDING PAPER & BOARD MILLS--------(2661)----	4.2	5.3	1.4	0.7	0.2	-1.3	10.3	20.7	30.0	28.1	29.0	25.9
2701	ALKALIES & CHLORINE----------(2812)-+												
	INDUSTRIAL GASES----------(2813)-+												
	CYCLIC INTERMEDIATES, DYES, ORGANIC + PIGMENTS & CYCLIC CRUDES----------(2815)-+												
	INORGANIC PIGMENTS----------(2816)-+												
	INDUSTRIAL ORGANIC CHEMICALS, + N.E.C.----------(2818)-+												
	INDUSTRIAL INORGANIC CHEMICALS, + N.E.C.----------(2819)----	10.5	15.5	8.1	11.9	6.8	9.9	7.6	11.1	10.8	10.5	10.7	10.3
2711	NEWSPAPERS----------(2711)----	0.0	-0.7	0.0	-0.5	0.0	-0.4	-1.4	-4.0	-3.6	-3.2	-4.0	-3.7
2721	PERIODICALS----------(2721)----	0.2	-3.1	0.0	-2.6	0.0	-2.2	-3.4	-7.3	-9.2	-5.6	-7.6	-7.6
2731	BOOK PUBLISHING----------(2731)----	1.8	5.3	0.1	-0.4	0.1	-0.2	0.8	14.5	38.1	-1.7	12.4	16.7
2732	BOOK PRINTING----------(2732)----	0.7	-0.8	0.0	-1.4	0.0	-1.1	-0.5	4.6	17.2	-3.2	3.9	6.3
2741	MISCELLANEOUS PUBLISHING----------(2741)----	2.8	2.7	1.2	0.3	0.9	0.1	-0.7	2.4	12.3	-3.8	1.7	3.8
2753	ENGRAVING & PLATE PRINTING----------(2753)----	7.9	12.1	5.0	7.4	5.1	7.7	1.1	7.5	31.7	-2.1	9.7	12.8
2761	MANIFOLD BUSINESS FORMS----------(2761)----	13.7	34.9	9.4	22.7	7.1	16.6	13.8	20.9	21.2	10.9	20.1	19.3
2771	GREETING CARD PUBLISHING----------(2771)----	14.0	26.0	9.6	16.0	7.2	11.8	11.3	15.2	34.9	10.5	17.8	20.3
2782	BLANKBOOKS & LOOSELEAF BINDERS------(2782)----	14.4	25.4	10.1	17.3	7.3	12.2	13.5	24.1	25.3	9.9	16.5	19.7
2789	BOOKBINDING & RELATED WORK----------(2789)----	1.1	-1.2	0.5	-1.4	0.4	-1.2	-1.2	5.0	13.6	-2.3	3.8	5.7
2791	TYPESETTING----------(2791)----	1.5	1.6	1.0	1.0	0.8	0.8	-0.6	-1.5	-1.5	-1.2	-1.6	-1.5
2793	PHOTOENGRAVING----------(2793)----	9.8	11.7	6.7	7.8	4.8	5.6	0.0	3.2	6.5	7.9	6.4	5.4
2794	ELECTROTYPING & STEREOTYPING---------(2794)----	9.8	13.6	6.7	8.8	4.8	6.1	0.6	4.5	7.0	8.5	7.4	6.2
2821	PLASTICS MATERIALS & RESINS----------(2821)----	20.4	45.1	14.1	28.9	10.2	19.2	13.1	10.7	19.4	14.6	13.8	14.1
2822	SYNTHETIC RUBBER----------(2822)----	6.0	3.5	4.2	1.8	2.8	-0.4	7.0	3.0	12.4	6.1	7.0	7.4
2823	CELLULOSIC MAN-MADE FIBERS----------(2823)----	21.7	47.4	11.6	22.1	8.7	15.9	32.4	15.8	12.8	19.0	17.9	15.4
2824	ORGANIC FIBERS, NONCELLULOSIC--------(2824)----	14.4	20.6	15.4	24.2	12.1	18.5	21.3	11.0	10.2	15.0	12.9	11.6
2841	SOAP & OTHER DETERGENTS----------(2841)----	7.9	9.2	6.2	7.6	5.7	8.0	17.4	27.7	13.3	22.3	20.0	19.0
2842	POLISHES & SANITATION GOODS----------(2842)----	5.4	5.9	3.7	3.6	2.7	1.9	8.1	6.7	21.0	19.4	13.2	13.3
2843	SURFACE ACTIVE AGENTS----------(2843)----	16.1	46.8	11.0	29.2	8.1	19.5	21.7	33.9	14.2	23.9	23.2	21.8
2844	TOILET PREPARATIONS----------(2844)----	16.0	60.1	10.5	34.2	7.7	23.5	13.3	24.5	78.9	48.5	39.9	43.2
2851	PAINTS & ALLIED PRODUCTS----------(2851)----	7.8	7.1	5.7	5.1	4.1	2.6	3.5	2.9	18.9	9.5	7.7	9.6
2861	GUM & WOOD CHEMICALS----------(2861)----	0.9	-3.1	0.8	-1.4	2.5	7.1	10.4	3.2	-0.6	8.6	3.9	2.6
2871	FERTILIZERS----------(2871)----	0.0	-11.1	0.0	-8.8	0.0	-7.6	-7.8	-3.2	-9.6	-8.9	-5.0	-5.9
2872	FERTILIZERS, MIXING ONLY----------(2872)----	0.0	-13.4	0.0	-10.6	0.0	-9.0	-9.3	-3.5	-13.2	-11.4	-5.6	-7.1
2879	AGRICULTURAL CHEMICALS, N.E.C.-------(2879)----	17.3	42.2	13.2	31.1	9.1	18.3	11.8	17.5	13.2	16.7	15.2	14.4
2891	ADHESIVES & GELATIN----------(2891)----	14.4	37.6	9.7	23.4	7.0	14.7	6.9	7.7	8.6	17.2	11.4	9.9
2892	EXPLOSIVES----------(2892)----	3.6	1.2	1.8	-0.9	8.8	13.8	5.7	6.5	11.8	9.5	8.7	8.5
2893	PRINTING INK----------(2893)----	2.7	-1.6	1.9	-1.2	1.4	-1.6	-1.6	11.4	23.5	17.8	16.2	16.7
2895	CARBON BLACK----------(2895)----	6.8	10.4	1.9	1.2	0.0	-2.7	-3.4	-1.6	-3.8	3.9	-0.3	-1.2
2899	CHEMICAL PREPARATIONS, N.E.C.--------(2899)----	7.2	7.8	4.6	5.3	4.2	5.1	14.2	21.2	17.6	18.8	18.1	17.7
2901	BIOLOGICAL PRODUCTS----------(2831)-+												
	MEDICINAL CHEMICALS & BOTANICAL + PRODUCTS----------(2833)-+												
	PHARMACEUTICAL PREPARATIONS---------(2834)----	13.3	20.5	8.9	13.1	6.9	9.9	12.2	19.6	12.2	15.1	15.4	14.6
2951	PAVING MIXTURES & BLOCKS----------(2951)----	0.0	-2.9	0.0	-2.7	0.0	-4.7	-4.4	-5.5	1.8	0.1	-0.5	-1.1
2952	ASPHALT FELTS & COATINGS----------(2952)----	4.7	8.1	1.9	2.2	0.0	-5.2	5.8	35.7	17.6	7.2	25.2	23.1
3011	TIRES & INNER TUBES----------(3011)----	9.0	13.5	5.4	5.0	3.9	3.4	3.1	13.0	26.6	17.7	18.6	18.9
3021	RUBBER FOOTWEAR----------(3021)----	15.3	19.9	13.5	17.6	12.0	15.8	17.0	25.6	36.9	28.9	25.3	28.5
3031	RECLAIMED RUBBER----------(3031)----	0.0	-4.6	0.0	-3.5	0.0	-2.8	6.1	-0.7	5.2	8.0	5.3	3.9
3069	FABRICATED RUBBER PRODUCTS, N.E.C.--(3069)----	10.1	13.0	6.6	7.4	4.8	4.8	10.5	10.9	18.7	13.5	13.7	13.8
3079	MISCELLANEOUS PLASTICS PRODUCTS-----(3079)----	14.7	14.8	9.8	10.4	7.2	7.5	9.5	9.7	15.8	10.7	12.0	12.0

Table 8.--Effective tariff rates for major trading areas using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE: NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		1965		1970		PKR							
		N	E	N	E	N	E	US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
3101	PETROLEUM REFINING----------(2911)-+ LUBRICATING OILS & GREASES----------(2992)-+ PRODUCTS OF PETROLEUM & COAL, + N.E.C.----------(2999)----	2.0	0.1	2.3	1.6	4.0	7.7	24.7	43.6	33.7	23.0	32.5	32.5
3111	LEATHER TANNING & FINISHING---------(3111)----	9.5	17.0	7.2	12.4	5.5	7.6	7.2	5.1	28.5	41.0	24.6	20.7
3121	INDUSTRIAL LEATHER BELTING----------(3121)----	9.6	11.8	6.5	7.6	4.6	5.0	5.3	9.1	28.3	34.8	20.0	19.8
3131	FOOTWEAR CUT STOCK----------(3131)----	9.3	11.0	6.2	6.3	4.5	3.9	3.7	8.9	36.8	16.4	18.0	19.8
3141	SHOES, EXCEPT RUBBER----------(3141)----	12.0	16.1	11.3	17.6	9.1	14.2	11.0	14.9	13.5	12.1	13.1	13.8
3142	HOUSE SLIPPERS----------(3142)----	12.6	16.0	8.7	8.6	6.4	5.0	8.9	14.1	12.8	13.7	12.8	13.4
3151	LEATHER GLOVES & MITTENS----------(3151)----	20.5	63.5	19.4	68.1	22.7	108.4	72.1	26.9	84.4	10.9	43.2	43.2
3161	LUGGAGE----------(3161)----	21.8	43.2	16.4	31.5	14.8	29.6	30.0	12.7	35.4	16.9	18.7	21.2
3171	WOMEN'S HANDBAGS & PURSES----------(3171)----	19.1	38.7	16.4	34.0	14.6	31.0	23.0	13.3	23.0	21.4	18.2	18.3
3172	PERSONAL LEATHER GOODS----------(3172)----	12.6	17.0	9.9	13.2	9.1	13.2	13.2	10.6	23.5	15.0	15.4	16.2
3199	LEATHER GOODS, N.E.C.----------(3199)----	10.7	16.6	7.0	10.2	5.1	7.1	12.5	14.0	40.9	23.2	22.5	24.1
3221	GLASS CONTAINERS----------(3221)----	11.8	16.9	8.4	11.9	6.0	8.1	11.3	12.6	26.6	10.3	16.8	17.8
3241	CEMENT, HYDRAULIC----------(3241)----	3.3	5.2	1.2	1.6	0.0	-0.4	-1.1	5.9	0.1	7.7	5.2	4.2
3251	BRICK & STRUCTURAL CLAY TILE----------(3251)----	36.2	74.5	2.0	2.7	1.2	1.4	9.3	6.9	26.1	7.0	12.3	13.6
3253	CERAMIC WALL & FLOOR TILE----------(3253)----	20.1	32.5	20.4	34.6	20.6	35.7	27.1	8.5	30.6	5.6	14.3	16.0
3255	CLAY REFRACTORIES----------(3255)----	8.4	13.8	5.5	8.8	4.0	6.1	9.4	11.3	6.5	12.8	9.0	9.0
3259	STRUCTURAL CLAY PRODUCTS, N.E.C.----(3259)----	12.9	19.2	8.8	11.5	6.6	9.5	13.6	6.5	28.7	5.8	12.6	14.2
3261	VITREOUS PLUMBING FIXTURES----------(3261)----	25.8	41.3	17.6	27.2	13.2	19.9	23.5	20.0	29.0	9.2	17.7	20.3
3262	VITREOUS CHINA FOOD UTENSILS----------(3262)----	42.5	74.9	38.4	64.0	35.9	59.3	75.3	36.2	27.6	9.9	19.0	24.2
3263	FINE EARTHENWARE FOOD UTENSILS------(3263)----	23.1	39.0	16.1	26.3	12.2	19.3	26.1	22.1	33.4	10.5	18.5	22.3
3264	PORCELAIN ELECTRICAL SUPPLIES-------(3264)----	18.0	23.6	13.9	18.7	11.3	15.4	12.0	9.5	16.5	14.9	13.8	13.1
3269	POTTERY PRODUCTS, N.E.C.----------(3269)----	24.8	39.0	17.9	23.7	13.2	20.0	34.0	24.4	23.6	9.8	16.9	19.4
3271	CONCRETE BLOCK & BRICK----------(3271)----	14.1	32.1	9.2	20.8	6.9	15.2	53.3	6.4	38.7	14.1	15.9	18.0
3272	CONCRETE PRODUCTS, N.E.C.----------(3272)----	16.1	30.7	13.0	24.7	11.5	21.9	41.6	4.5	30.3	10.7	12.3	14.1
3273	READY-MIXED CONCRETE----------(3273)----	8.9	21.1	5.2	12.2	3.2	7.6	-1.6	5.9	-0.7	7.6	4.9	3.8
3274	LIME----------(3274)----	6.5	11.1	3.8	6.3	2.2	3.4	5.3	0.5	8.4	-2.0	3.2	3.4
3275	GYPSUM PRODUCTS----------(3275)----	11.1	17.7	7.6	12.8	5.5	9.0	0.3	2.1	14.8	5.9	7.3	7.6
3281	CUT STONE & STONE PRODUCTS----------(3281)----	12.9	23.9	8.7	15.4	6.3	8.5	7.5	7.0	4.6	10.1	7.8	6.8
3291	ABRASIVE PRODUCTS----------(3291)----	1.6	0.0	1.1	-0.6	0.8	-0.7	4.5	6.7	10.5	9.0	8.8	8.2
3292	ASBESTOS PRODUCTS----------(3292)----	5.7	3.5	3.8	2.3	2.8	1.5	6.8	11.3	19.2	14.0	14.6	14.5
3293	GASKETS & INSULATIONS----------(3293)----	6.3	6.8	4.2	4.4	3.0	3.0	7.3	10.5	15.4	12.1	12.3	12.3
3295	MINERALS, GROUND OR TREATED---------(3295)----	11.2	37.9	3.4	3.2	4.9	11.3	11.5	-14.0	14.0	-12.3	-3.7	-3.2
3296	MINERAL WOOL----------(3296)----	16.2	24.1	13.1	21.5	9.6	15.4	13.6	13.4	37.9	14.5	18.5	20.9
3297	NONCLAY REFRACTORIES----------(3297)----	9.0	15.0	5.8	9.8	4.3	7.2	10.1	14.0	7.1	16.5	10.9	10.7
3299	NONMETALLIC MINERAL PRODUCTS, N.E.C.----------(3299)----	12.5	23.5	8.7	-6.0	6.4	14.7	8.0	8.9	11.0	9.3	9.5	9.1
3312	BLAST FURNACES & STEEL MILLS---------(3312)----	6.6	10.1	6.3	10.6	6.2	10.7	10.5	14.4	11.5	14.9	13.9	12.8
3313	ELECTROMETALLURGICAL PRODUCTS--------(3313)----	7.1	12.8	5.8	11.3	4.5	8.3	6.5	10.0	14.9	13.1	12.3	11.6
3315	STEEL WIRE & RELATED PRODUCTS--------(3315)----	3.0	-1.6	1.9	-2.6	1.8	-2.5	-3.0	6.9	25.6	11.5	14.4	14.9
3316	COLD FINISHING OF STEEL SHAPES------(3316)----	9.6	18.6	8.5	17.6	7.9	15.7	14.8	5.7	6.7	12.0	8.9	7.6
3317	STEEL PIPE & TUBES----------(3317)----	5.4	3.5	5.1	4.6	5.1	5.0	2.7	16.0	6.7	6.6	16.9	12.7
3331	PRIMARY COPPER----------(3331)----	1.8	0.4	0.0	-0.4	1.4	1.4	5.1	-0.6	-0.6	2.7	0.8	0.3
3332	PRIMARY LEAD----------(3332)----	6.9	38.6	6.5	17.7	6.6	18.2	7.3	9.2	10.4	12.9	9.6	9.7
3333	PRIMARY ZINC----------(3333)----	5.0	10.8	4.7	10.2	5.1	11.5	9.9	15.3	11.3	21.2	13.3	12.9
3334	PRIMARY ALUMINUM----------(3334)----	5.5	9.1	3.9	6.3	4.1	6.6	7.4	10.0	1.2	14.8	8.5	7.5
3339	PRIMARY NONFERROUS METALS, N.E.C.---(3339)----	1.1	-1.0	0.4	-1.7	0.3	-1.6	8.3	7.2	9.9	12.9	10.1	9.0
3341	SECONDARY NONFERROUS METALS---------(3341)----	1.3	-3.3	0.7	-4.6	0.7	-3.1	9.1	7.3	13.2	14.5	11.7	10.3
3351	COPPER ROLLING & DRAWING----------(3351)----	5.5	11.7	3.2	10.9	2.7	6.1	4.8	36.5	28.5	104.5	47.9	40.2
3352	ALUMINUM ROLLING & DRAWING----------(3352)----	10.5	23.8	8.0	18.6	7.1	15.2	15.6	25.8	30.0	37.3	27.2	27.6
3356	NONFERROUS ROLLING & DRAWING, N.E.C.----------(3356)----	2.6	2.2	2.4	2.2	2.2	2.1	9.8	8.4	3.0	10.2	7.4	6.5
3357	NONFERROUS WIRE, DRAWING & INSULATING----------(3357)----	15.9	49.4	10.4	31.3	7.9	21.1	10.2	25.0	34.2	38.8	28.2	28.6
3361	ALUMINUM CASTINGS----------(3361)----	16.6	44.3	12.2	31.6	9.4	21.6	18.4	13.2	27.3	14.4	17.1	18.1
3362	BRASS, BRONZE, & COPPER CASTINGS----(3362)----	10.4	22.4	7.6	18.5	5.5	11.4	14.5	16.5	58.9	28.4	31.1	31.9
3369	NONFERROUS CASTINGS, N.E.C.----------(3369)----	12.6	25.8	8.4	15.5	6.7	11.1	12.3	11.7	31.7	19.8	20.2	20.0
3391	IRON & STEEL FORGINGS----------(3391)----	4.5	2.8	2.7	0.1	4.0	3.2	7.7	9.0	13.9	11.4	12.3	11.7
3392	NONFERROUS FORGINGS----------(3392)----	4.7	2.6	1.5	-3.6	2.4	-0.4	3.4	-3.3	-7.7	-4.1	-4.5	-4.9
3399	PRIMARY METAL PRODUCTS, N.E.C.-------(3399)----	3.2	2.6	1.7	1.1	1.4	0.6	7.7	7.5	7.8	11.4	9.0	8.1
3411	METAL CANS----------(3411)----	10.3	19.6	7.0	11.2	5.3	6.6	3.6	10.1	45.5	12.4	19.7	21.9
3421	CUTLERY----------(3421)----	26.9	72.0	21.2	54.0	17.8	43.8	28.6	18.2	32.9	12.8	23.1	22.4
3423	HAND & EDGE TOOLS, N.E.C.----------(3423)----	15.7	23.1	10.0	13.8	7.3	9.4	12.0	9.3	18.7	9.1	12.3	12.5
3425	HAND SAWS & SAW BLADES----------(3425)----	8.2	11.1	5.7	7.2	4.1	4.6	4.0	12.8	1.6	12.8	9.9	8.6
3429	HARDWARE, N.E.C.----------(3429)----	12.7	18.9	7.5	9.9	5.6	6.8	15.5	10.6	14.3	18.4	14.5	13.6
3431	METAL SANITARY WARE----------(3431)----	19.7	40.0	13.5	25.7	10.0	17.7	7.1	8.6	21.2	27.9	18.7	16.9
3432	PLUMBING FITTINGS & BRASS GOODS-----(3432)----	15.2	43.8	10.6	30.1	7.5	18.5	19.7	11.5	52.5	14.9	22.8	24.4
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC--(3433)----	11.7	18.8	8.1	12.2	5.8	7.8	9.8	7.4	20.1	9.8	13.0	12.9
3441	FABRICATED STRUCTURAL STEEL---------(3441)----	8.4	12.1	6.0	7.5	5.4	6.3	3.8	7.8	12.5	4.5	8.0	8.6
3442	METAL DOORS, SASH, & TRIM----------(3442)----	14.5	27.4	10.2	18.1	7.5	11.8	8.8	6.2	4.2	11.5	8.2	7.0
3443	FABRICATED PLATE WORK (BOILER SHOPS)----------(3443)----	12.4	24.1	8.7	15.5	6.4	9.7	2.9	2.0	9.8	4.5	5.3	5.7
3444	SHEET METALWORK----------(3444)----	9.2	13.3	5.5	6.4	4.5	4.6	3.8	6.8	9.2	3.7	6.3	6.9
3446	ARCHITECTURAL METALWORK----------(3446)----	9.2	12.5	5.5	6.3	4.5	4.7	4.1	7.1	9.0	4.7	6.6	7.1
3449	MISCELLANEOUS METALWORK----------(3449)----	9.2	14.3	5.5	6.1	4.5	4.0	3.1	6.5	9.9	3.3	6.1	7.0
3461	METAL STAMPINGS----------(3461)----	4.6	2.3	4.8	4.5	3.6	2.4	3.9	20.1	5.7	7.4	12.2	12.0
3471	PLATING & POLISHING----------(3471)----	8.2	12.0	8.0	12.2	8.0	12.4	9.9	9.4	8.1	13.1	10.8	9.6
3479	METAL COATING & ALLIED SERVICES-----(3479)----	8.2	13.2	8.0	13.8	8.0	14.2	10.7	9.5	6.9	13.7	11.0	9.3
3481	MISCELLANEOUS FABRICATED WIRE PRODUCTS----------(3481)----	9.9	15.9	6.6	9.1	5.0	5.6	8.4	10.2	27.3	13.9	17.5	17.2
3491	METAL BARRELS, DRUMS, & PAILS-------(3491)----	10.3	21.7	7.0	12.5	5.3	7.6	4.0	10.5	49.0	12.8	20.8	23.1
3492	SAFES & VAULTS----------(3492)----	17.5	33.3	12.3	23.2	9.0	15.6	15.5	12.1	34.6	14.4	17.2	19.5
3493	STEEL SPRINGS----------(3493)----	8.1	10.6	1.3	-3.0	0.9	-3.6	1.0	9.3	19.3	11.3	13.2	13.3
3496	COLLAPSIBLE TUBES----------(3496)----	11.1	22.0	7.5	12.6	5.7	8.9	4.2	12.8	42.6	13.3	21.0	22.5
3497	METAL FOIL & LEAF----------(3497)----	8.4	8.0	3.6	-1.2	2.7	-1.8	9.4	0.9	3.6	7.4	4.2	3.0
3499	FABRICATED METAL PRODUCTS, N.E.C.---(3499)----	13.9	22.6	10.3	16.2	7.9	11.6	9.7	8.1	18.2	10.5	12.3	12.4

Table 8.--Effective tariff rates for major trading areas using import weighted nominal tariff averages --Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE; NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		1965		1970		PKR							
		N	E	N	E	N	E	US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
3501	FLAT GLASS-----(3211)-+ PRESSED & BLOWN GLASS & GLASSWARE, N.E.C.-----(3229)-+ GLASS PRODUCTS, MADE OF PURCHASED GLASS-----(3231)----	20.9	35.2	14.2	22.6	10.8	17.2	20.7	11.6	14.9	12.0	13.4	13.0
3511	STEAM ENGINES & TURBINES-----(3511)----	11.3	16.5	9.3	13.8	7.1	9.1	6.8	2.7	7.4	13.6	8.2	6.8
3519	INTERNAL COMBUSTION ENGINES, N.E.C.-----(3519)----	6.6	6.8	4.5	4.0	3.3	2.0	3.3	7.5	-4.4	20.0	7.8	5.2
3522	FARM MACHINERY-----(3522)----	0.1	-9.3	0.0	-7.4	0.0	-6.6	-1.7	16.0	-2.0	9.4	8.8	7.6
3531	CONSTRUCTION MACHINERY-----(3531)----	9.6	14.2	6.6	8.7	4.8	4.6	4.4	11.3	11.9	8.7	10.0	10.3
3532	MINING MACHINERY-----(3532)----	9.8	12.2	6.8	7.6	4.9	4.4	5.6	7.3	12.1	8.3	8.8	9.1
3533	OIL FIELD MACHINERY-----(3533)----	10.0	10.6	7.1	8.5	5.0	5.0	4.0	7.2	9.8	9.1	8.7	8.5
3534	ELEVATORS & MOVING STAIRWAYS-----(3534)----	10.0	14.1	6.8	8.9	4.8	5.6	5.4	8.1	10.2	8.7	8.8	9.0
3535	CONVEYERS & CONVEYING EQUIPMENT-----(3535)----	10.1	19.7	6.8	8.3	4.8	4.9	4.8	7.8	9.9	8.4	8.4	8.7
3536	HOISTS, CRANES, & MONORAILS-----(3536)----	9.6	14.6	6.5	7.7	4.7	4.3	4.1	7.5	8.4	7.4	7.5	7.9
3537	INDUSTRIAL TRUCKS & TRACTORS-----(3537)----	7.6	9.5	6.6	9.3	4.5	4.9	4.4	10.3	21.8	14.2	14.4	14.8
3541	MACHINE TOOLS, METAL CUTTING TYPES--(3541)----	14.4	24.0	9.3	13.0	6.8	8.8	8.7	4.0	26.2	9.0	12.3	12.8
3542	MACHINE TOOLS, METAL FORMING TYPES--(3542)----	13.4	21.2	9.6	14.2	7.2	9.8	9.0	4.1	26.1	9.6	12.5	13.0
3548	METALWORKING MACHINERY, N.E.C.------(3548)----	12.4	18.6	8.4	11.3	6.1	7.5	6.0	7.2	16.4	11.8	11.1	11.2
3551	FOOD PRODUCTS MACHINERY-----(3551)----	11.5	16.0	7.9	10.4	5.5	6.5	6.9	6.2	22.2	8.5	11.7	12.3
3552	TEXTILE MACHINERY-----(3552)----	13.1	21.9	9.2	14.1	4.9	5.4	6.8	5.2	2.1	9.3	6.6	5.2
3553	WOODWORKING MACHINERY-----(3553)----	10.2	14.9	6.6	8.6	4.8	5.5	6.5	7.0	26.5	7.5	13.1	13.9
3554	PAPER INDUSTRIES MACHINERY-----(3554)----	8.8	11.3	6.0	6.8	4.4	4.4	5.3	5.3	7.1	9.4	7.7	6.9
3555	PRINTING TRADES MACHINERY-----(3555)----	10.4	14.0	7.3	9.0	5.0	5.4	5.1	5.8	4.7	15.8	8.7	7.3
3559	SPECIAL INDUSTRY MACHINERY, N.E.C.--(3559)----	8.7	11.3	5.8	6.6	4.4	4.4	2.4	6.0	12.7	9.8	9.4	9.3
3561	PUMPS & COMPRESSORS-----(3561)----	8.9	10.8	6.3	6.9	4.5	4.1	3.3	7.5	16.6	14.4	11.4	11.8
3562	BALL & ROLLER BEARINGS-----(3562)----	14.0	23.0	10.1	14.4	7.4	9.6	10.8	11.5	1.5	17.5	10.2	8.5
3564	BLOWERS & FANS-----(3564)----	8.1	9.2	5.6	5.6	4.1	3.6	4.2	7.7	18.2	20.2	13.5	13.4
3565	INDUSTRIAL PATTERNS-----(3565)----	10.2	12.3	6.5	7.7	5.8	6.9	7.6	7.1	2.4	13.7	7.9	6.4
3566	POWER TRANSMISSION EQUIPMENT-----(3566)----	13.0	19.9	8.1	11.0	6.5	8.1	7.4	7.8	13.9	8.2	10.1	10.0
3567	INDUSTRIAL FURNACES & OVENS-----(3567)----	12.3	17.9	8.1	10.8	6.0	7.3	9.2	6.6	18.0	8.3	10.5	11.1
3569	GENERAL INDUSTRIAL MACHINERY, N.E.C.-----(3569)----	10.2	13.2	7.0	8.5	4.9	5.3	5.3	5.0	11.8	9.0	8.8	8.5
3571	ELECTRONIC COMPUTING EQUIPMENT------(3573)-+ CALCULATING & ACCOUNTING MACHINES, EXCEPT ELECTRONIC COMPUTING EQUIPMENT-----(3574)----	10.9	13.0	7.1	8.1	5.0	5.5	4.4	7.5	15.4	16.0	12.0	11.7
3572	TYPEWRITERS-----(3572)----	1.4	-0.3	1.0	-0.3	0.7	-0.5	2.3	7.1	16.9	16.4	12.7	12.2
3576	SCALES & BALANCES-----(3576)----	14.3	23.2	10.0	15.0	7.2	9.9	8.8	6.0	11.9	8.5	9.4	9.1
3579	OFFICE MACHINES, N.E.C.-----(3579)----	10.5	14.7	7.2	9.6	5.3	6.7	7.1	7.1	10.6	20.9	13.1	11.0
3581	AUTOMATIC MERCHANDISING MACHINES----(3581)----	11.1	17.6	7.7	11.3	5.3	6.9	-6.9	-7.7	-11.2	-9.8	-9.4	-9.3
3582	COMMERCIAL LAUNDRY EQUIPMENT-----(3582)----	12.1	19.3	9.3	15.2	6.6	9.8	11.5	4.5	16.7	8.7	9.4	10.2
3585	REFRIGERATION MACHINERY-----(3585)----	7.7	8.3	5.1	4.5	3.7	2.5	4.5	6.1	24.7	23.3	15.1	15.7
3586	MEASURING & DISPENSING PUMPS-----(3586)----	9.5	20.1	6.8	14.3	4.8	8.3	2.1	6.5	16.2	20.0	12.4	12.3
3589	SERVICE INDUSTRY MACHINES, N.E.C.---(3589)----	11.2	15.0	7.5	9.4	5.5	6.4	3.2	6.2	15.6	9.3	10.0	10.2
3599	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL-----(3599)----	6.1	6.2	3.4	2.5	3.8	3.7	1.7	7.9	4.0	11.6	8.7	7.3
3611	ELECTRIC MEASURING INSTRUMENTS------(3611)----	11.6	14.7	9.7	13.1	9.2	13.2	12.6	8.5	22.1	14.9	14.8	14.6
3612	TRANSFORMERS-----(3612)----	11.8	18.5	9.1	14.3	7.4	11.2	13.8	6.7	10.0	8.5	10.4	9.3
3613	SWITCHGEAR & SWITCHBOARD APPARATUS--(3613)----	15.5	25.4	11.5	18.1	8.2	12.2	9.8	7.3	23.9	7.0	11.6	13.0
3621	MOTORS & GENERATORS-----(3621)----	11.1	15.0	8.4	11.2	6.8	8.8	10.0	4.9	19.6	10.1	11.5	11.5
3622	INDUSTRIAL CONTROLS-----(3622)----	7.2	7.3	7.7	9.0	5.8	6.6	11.2	8.5	22.4	14.8	14.4	14.5
3623	WELDING APPARATUS-----(3623)----	8.4	10.5	5.4	5.8	4.0	3.8	1.5	9.6	19.9	8.6	11.4	12.3
3624	CARBON & GRAPHITE PRODUCTS----------(3624)----	7.1	7.7	4.7	4.5	3.4	2.5	8.3	7.2	19.2	9.1	10.5	10.9
3629	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.-----(3629)----	11.8	16.0	9.3	13.1	7.4	10.3	13.0	7.3	23.2	14.8	14.7	14.4
3631	HOUSEHOLD COOKING EQUIPMENT---------(3631)----	14.2	25.7	9.6	15.9	7.1	10.7	6.3	11.3	42.4	15.3	19.9	22.0
3632	HOUSEHOLD REFRIGERATORS & FREEZERS-----(3632)----	10.1	15.1	6.8	9.1	4.8	5.5	4.2	2.9	27.7	23.7	15.2	15.7
3633	HOUSEHOLD LAUNDRY EQUIPMENT---------(3633)----	13.5	26.8	9.2	16.1	6.8	10.4	12.4	3.4	18.2	8.3	9.2	10.3
3634	ELECTRIC HOUSEWARES & FANS----------(3634)----	13.3	27.4	9.2	18.6	6.3	10.8	10.0	8.5	-12.6	10.2	4.5	1.1
3635	HOUSEHOLD VACUUM CLEANERS----------(3635)----	13.3	20.2	9.2	13.5	6.3	8.5	7.6	8.8	29.4	8.3	13.2	15.4
3636	SEWING MACHINES-----(3636)----	9.6	13.5	6.7	9.1	4.8	6.2	6.5	10.0	17.7	15.8	15.5	14.1
3639	HOUSEHOLD APPLIANCES, N.E.C.--------(3639)----	11.4	17.6	7.9	11.4	5.6	7.0	7.4	7.6	22.3	11.2	12.4	13.1
3641	ELECTRIC LAMPS-----(3641)----	8.1	9.2	6.7	6.4	5.8	5.7	10.8	8.2	23.4	15.3	15.0	14.8
3642	LIGHTING FIXTURES-----(3642)----	15.1	30.9	13.5	29.3	12.5	28.3	38.0	14.0	9.7	19.1	15.7	13.7
3651	RADIO & TELEVISION RECEIVING SETS---(3651)----	11.8	17.0	8.3	11.8	6.6	9.9	8.0	12.8	19.3	11.0	14.6	14.7
3652	PHONOGRAPH RECORDS-----(3652)----	8.5	9.2	6.1	7.5	4.3	4.9	7.8	11.0	19.0	17.8	13.6	13.9
3661	TELEPHONE & TELEGRAPH APPARATUS-----(3661)----	16.2	21.4	10.5	13.5	8.1	10.3	9.8	7.9	23.2	7.7	11.5	12.6
3662	RADIO & TELEVISION COMMUNICATION EQUIPMENT-----(3662)----	4.4	1.7	6.0	6.1	5.7	6.4	5.7	10.6	12.7	10.7	12.3	11.7
3674	SEMICONDUCTORS-----(3674)----	12.4	18.3	8.3	11.7	5.9	7.9	10.2	13.6	12.7	16.9	15.8	13.9
3679	ELECTRONIC COMPONENTS, N.E.C.-------(3679)----	11.8	17.1	7.8	10.8	6.1	8.3	9.2	11.6	10.9	12.8	12.6	11.6
3691	STORAGE BATTERIES-----(3691)----	14.1	29.7	8.0	11.6	7.3	10.8	13.1	13.8	6.1	15.4	11.6	10.7
3692	PRIMARY BATTERIES, DRY & WET---------(3692)----	16.8	23.3	11.6	15.7	8.2	10.8	10.9	28.4	15.6	9.0	17.3	18.8
3693	X-RAY APPARATUS & TUBES-----(3693)----	5.3	4.6	3.4	2.4	2.4	1.4	10.0	8.8	-4.4	11.3	7.5	4.7
3694	ENGINE ELECTRICAL EQUIPMENT---------(3694)----	5.2	3.3	3.3	1.3	2.5	0.7	6.9	13.0	10.0	14.9	12.5	11.8
3699	ELECTRICAL EQUIPMENT, N.E.C.---------(3699)----	9.7	12.5	10.7	18.9	9.6	17.8	14.8	9.3	24.1	18.4	16.5	16.3
3702	GRAY IRON FOUNDRIES-----(3321)-+ MALLEABLE IRON FOUNDRIES-----(3322)-+ STEEL FOUNDRIES-----(3323)----	5.8	6.7	4.5	5.2	3.6	3.9	10.2	10.4	14.7	11.6	13.6	12.8
3713	TRUCK & BUS BODIES-----(3713)----	0.2	-7.0	0.1	-5.5	0.1	-4.7	1.7	29.2	-6.4	6.6	10.9	9.8
3715	TRUCK TRAILERS-----(3715)----	5.9	5.0	7.9	14.2	8.0	15.8	2.6	8.0	25.6	4.8	11.5	12.6
3717	MOTOR VEHICLES-----(3711)-+ MOTOR VEHICLE PARTS & ACCESSORIES---(3714)----	5.4	4.4	2.0	-1.4	1.4	-1.9	1.8	19.7	-1.3	19.3	13.3	11.1
3721	AIRCRAFT-----(3721)----	9.6	15.1	6.4	8.8	5.0	5.6	4.8	8.8	3.1	4.0	2.0	3.6
3722	AIRCRAFT ENGINES & ENGINE PARTS-----(3722)----	7.9	14.2	5.3	7.2	4.8	6.2	4.4	8.6	-1.8	20.4	9.3	6.9
3723	AIRCRAFT PROPELLERS & PARTS---------(3723)----	2.3	-0.6	2.9	2.3	5.0	6.3	5.2	4.2	-6.0	24.3	7.0	3.6

Table 8.--Effective tariff rates for major trading areas using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE; NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM -- GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		----1965---		----1970---		----PKR----							
		N	E	N	E	N	E	US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
3729	AIRCRAFT EQUIPMENT, N.E.C.----------(3729)----	2.3	0.2	2.9	2.0	5.0	5.6	5.4	5.1	-3.0	20.7	7.4	4.8
3731	SHIPBUILDING & REPAIRING-----------(3731)----	8.2	8.6	5.8	5.8	4.3	3.8	2.6	-1.1	0.6	2.1	0.1	0.1
3732	BOATBUILDING & REPAIRING-----------(3732)----	8.0	9.6	5.7	6.4	4.2	4.3	2.1	-2.7	0.1	1.0	-1.4	-1.1
3741	LOCOMOTIVES & PARTS----------------(3741)----	24.7	54.4	17.5	35.5	12.6	23.7	4.0	8.2	2.0	9.7	6.4	5.7
3742	RAILROAD & STREET CARS-------------(3742)----	14.4	31.9	12.8	28.2	11.5	24.3	16.0	3.8	9.5	0.5	5.2	5.4
3751	MOTORCYCLES, BICYCLES, & PARTS------(3751)----	11.3	21.5	8.1	15.4	5.8	9.3	20.4	22.0	40.1	20.6	31.8	30.2
3791	TRAILER COACHES---------------------(3791)----	5.9	1.2	7.9	13.7	8.0	18.0	-0.7	9.7	25.8	3.1	11.3	12.7
3799	TRANSPORTATION EQUIPMENT, N.E.C.----(3799)----	3.1	-3.9	0.6	-6.3	0.5	-5.7	2.9	17.4	17.9	29.1	21.7	19.5
3811	ENGINEERING & SCIENTIFIC INSTRUMENTS-----------(3811)----	15.0	22.1	6.8	8.1	7.4	10.2	5.3	2.2	0.9	1.2	2.0	1.6
3821	MECHNICAL MEASURING DEVICES---------(3821)----	18.2	34.7	11.1	17.7	8.4	13.0	16.8	11.1	17.0	8.7	12.0	12.3
3822	AUTOMATIC TEMPERATURE CONTROLS------(3822)----	14.0	21.4	9.4	13.7	7.0	9.9	11.0	13.0	20.7	8.6	10.8	13.4
3831	OPTICAL INSTRUMENTS & LENSES--------(3831)----	25.3	43.8	18.0	29.8	14.8	24.1	20.0	15.3	6.1	11.6	15.2	11.8
3841	SURGICAL & MEDICAL INSTRUMENTS------(3841)----	24.5	50.8	17.2	33.3	12.5	22.8	16.3	11.1	16.7	16.2	15.6	14.6
3842	SURGICAL APPLIANCES & SUPPLIES------(3842)----	12.3	14.8	8.4	9.5	6.1	6.2	5.7	4.3	1.6	9.0	5.1	4.0
3843	DENTAL EQUIPMENT & SUPPLIES---------(3843)----	14.0	23.6	9.8	15.7	7.2	11.3	11.8	10.3	1.1	13.3	9.4	7.3
3851	OPHTHALMIC GOODS--------------------(3851)----	16.6	27.2	14.7	24.9	13.7	23.6	23.4	15.6	19.8	18.6	19.6	17.4
3861	PHOTOGRAPHIC EQUIPMENT & SUPPLIES---(3861)----	10.8	13.9	7.8	10.0	5.7	7.1	11.7	17.8	10.5	16.1	14.6	13.6
3871	WATCHES & CLOCKS--------------------(3871)----	39.9	82.0	25.6	47.2	23.8	45.0	30.9	11.4	23.3	18.6	18.8	17.2
3872	WATCHCASES--------------------------(3872)----	43.0	143.7	25.8	65.2	19.8	45.7	46.3	7.4	42.1	26.7	26.4	23.4
3911	JEWELRY, PRECIOUS METAL-------------(3911)----	23.8	58.8	16.2	36.6	11.9	25.5	28.7	13.6	24.4	30.5	21.9	20.2
3912	JEWELERS' FINDINGS & MATERIALS------(3912)----	37.7	166.4	26.3	90.1	18.8	54.4	27.3	14.6	32.1	25.6	22.3	22.1
3913	LAPIDARY WORK-----------------------(3913)----	7.5	27.5	5.1	17.8	3.7	12.5	19.2	-0.6	1.5	5.0	1.7	1.3
3914	SILVERWARE & PLATED WARE------------(3914)----	13.1	27.9	11.1	26.1	10.2	24.2	22.0	20.9	27.9	19.9	26.0	23.7
3931	MUSICAL INSTRUMENTS & PARTS---------(3931)----	19.0	30.1	13.9	21.7	10.5	15.8	11.7	10.7	17.6	11.8	14.3	13.5
3941	GAMES & TOYS------------------------(3941)----	29.7	80.4	20.4	50.0	14.9	34.2	21.7	16.7	31.2	21.5	20.7	21.7
3942	DOLLS-------------------------------(3942)----	30.7	60.1	21.8	38.7	16.5	27.3	14.7	16.5	25.6	16.8	18.6	19.2
3943	CHILDREN'S VEHICLES, EXCEPT BICYCLES-----------(3943)----	14.4	30.2	9.8	19.4	7.2	13.0	27.5	20.6	34.6	8.5	19.9	22.3
3949	SPORTING & ATHLETIC GOODS, N.E.C.---(3949)----	16.8	30.4	12.1	21.0	9.5	16.1	14.1	12.1	26.7	17.3	19.4	18.7
3951	PENS & MECHANICAL PENCILS-----------(3951)----	28.9	47.4	20.4	32.4	14.7	22.5	13.8	10.8	16.9	16.0	14.4	13.7
3952	LEAD PENCILS & ART GOODS------------(3952)----	14.8	26.7	10.4	17.7	7.8	12.7	12.6	12.2	31.2	19.0	18.5	19.4
3953	MARKING DEVICES---------------------(3953)----	18.4	28.4	18.4	30.8	18.4	32.2	17.0	11.0	23.0	22.6	16.7	16.5
3955	CARBON PAPER & INKED RIBBONS--------(3955)----	6.6	13.4	4.2	7.6	3.1	5.3	7.1	22.3	15.0	8.5	18.3	16.9
3961	COSTUME JEWELRY---------------------(3961)----	31.5	79.4	24.3	51.4	18.5	37.6	21.2	11.7	14.6	15.1	13.4	13.1
3962	FEATHERS, PLUMES & ARTIFICIAL FLOWERS----------(3962)----	23.7	59.1	21.0	58.3	18.6	53.5	16.5	29.1	33.8	23.3	27.5	28.3
3963	BUTTONS-----------------------------(3963)----	15.3	18.7	17.4	25.9	15.4	23.6	26.4	18.7	36.5	16.1	25.8	24.9
3964	NEEDLES, PINS, & FASTENERS----------(3964)----	28.4	51.6	17.2	28.2	13.3	21.0	14.3	7.0	25.3	14.5	15.2	14.9
3981	BROOMS & BRUSHES--------------------(3991)----	19.2	38.7	13.8	27.7	10.2	19.6	17.8	17.9	14.9	9.2	16.7	15.4
3982	HARD SURFACE FLOOR COVERINGS--------(3996)----	13.2	20.8	8.2	12.5	5.9	9.0	6.7	15.7	33.6	10.0	17.2	19.8
3983	MATCHES (SIC 3999 IN 1967)----------(3983)----	17.1	33.8	9.6	17.5	7.0	12.4	5.0	11.2	19.6	2.5	10.3	11.7
3984	CANDLES (SIC 3999 IN 1967)----------(3984)----	18.4	46.0	12.9	29.7	9.2	18.0	17.7	10.3	45.4	9.1	19.1	21.1
3987	LAMP SHADES (SIC 3999 IN 1967)------(3987)----	0.0	-13.3	16.7	33.3	16.0	33.3	-10.1	-10.5	-12.2	-8.2	-11.1	-10.8
3988	MORTICIANS' GOODS-------------------(3994)----	17.3	30.3	12.1	19.4	8.8	13.1	12.4	9.8	3.7	17.1	10.1	8.9
3993	SIGNS & ADVERTISING DISPLAY---------(3993)----	17.5	32.3	10.6	17.7	7.8	12.5	15.8	9.9	12.8	15.1	13.3	12.1
3995	UMBRELLAS, PARASOLS & CANES (SIC 3999 IN 1967)----------(3995)----	18.5	102.7	18.4	104.1	18.3	119.2	121.0	56.8	40.8	41.8	45.7	47.2
3999	MANUFACTURES, N.E.C.----------------(3999)----	15.1	24.4	9.7	14.6	7.1	10.2	8.5	6.4	10.0	9.0	8.4	8.0
4101	SCREW MACHINE PRODUCTS--------------(3451)-+ BOLTS, NUTS, SCREWS, RIVETS, & + WASHERS----------(3452)----	7.7	9.4	5.4	6.1	4.1	4.0	5.5	8.2	19.4	5.6	11.5	11.9
4208	VALVES & PIPE FITTINGS--------------(3494)-+ FABRICATED PIPE & FABRICATED PIPE + FITTINGS----------(3498)----	14.1	24.2	9.2	14.7	8.1	12.8	9.0	12.3	12.4	13.8	12.9	12.2
4703	SPECIAL DIES & TOOLS, DIE SETS------(3544)-+ MACHINE TOOL ACCESSORIES & + MEASURING DEVICES----------(3545)----	13.6	18.8	10.8	14.7	7.8	10.1	13.2	7.0	17.5	9.5	11.3	11.2
5503	CURRENT-CARRYING WIRING DEVICES-----(3643)-+ NONCURRENT-CARRYING WIRING DEVICES--(3644)----	15.0	26.2	10.6	17.7	7.7	11.9	17.7	9.7	31.6	11.2	15.4	17.0
5701	RADIO & TELEVISION TYPE ELECTRON TUBES, EXCEPT CATHODE RAY----------(3671)-+ CATHODE RAY PICTURE TUBES----------(3672)-+ TRANSMITTING, INDUSTRIAL & SPECIAL + PURPOSE ELECTRON TUBES-----------(3673)----	11.5	14.8	8.9	11.7	6.4	8.1	8.2	21.3	4.5	21.6	18.3	14.6

Source: The nominal tariff averages for the U.S. in columns 2, 4, and 6 come from columns 2, 3, and 4 respectively of table 1. These nominal rates plus the GATT nominal rates from table 1 were used, in conjunction with an adjusted version of the 478 sector 1963 U.S. input-output table, to calculate the effective tariff rates shown.

Note: Details of the calculation procedures are given in Appendix C. The IO table adjustments basically were the exclusion of transferred secondary products, the exclusion of indirect taxes, and the adjustment of protected value-added figures to avoid zero or negative free trade value-added coefficients, assuming reasonable price changes. After these adjustments, any effective rate exceeding 9,999.9 percent or less than - 100.0 percent was pegged at 9,999.9 percent. This was done to avoid having to adjust correlation programs for discontinuities in effective rates, but extremely high and extremely low negative rates have been omitted from the Tables.

The ET rates shown for data from TSUSA sources used the given nominal rate as the output tariff slightly different input-oriented tariffs as input entries. See Appendix C for an explanation and Appendix D for sample calculations of ET rates with and without this procedure.

Table 9.--Rank correlations, ranks, and summary statistics of the variables in table 8

VARIABLE	(NO)	(FOR 378 OBSERVATIONS)
USTT6570	(2)	
EP65W	(3)	
USTT7070	(4)	
EP70W	(5)	
USTTPK70	(6)	
EPPKW	(7)	
GWEPUS	(8)	
GWEPEEC	(9)	
GWEPCAN	(10)	
GWEPJAP	(11)	
GWEPECJU	(12)	
GWEPACTY	(13)	

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
(2)	******	0.926	0.922	0.838	0.839	0.781	0.648	0.382	0.441	0.258	0.423	0.439
(3)	47.511	******	0.844	0.878	0.768	0.815	0.646	0.373	0.406	0.281	0.428	0.432
(4)	46.310	30.551	******	0.923	0.938	0.877	0.689	0.407	0.455	0.309	0.468	0.475
(5)	29.745	35.619	46.393	******	0.865	0.934	0.709	0.389	0.433	0.320	0.468	0.467
(6)	29.934	23.238	52.639	33.425	******	0.925	0.720	0.367	0.440	0.336	0.459	0.465
(7)	24.279	27.261	35.364	50.824	47.080	******	0.751	0.369	0.408	0.324	0.448	0.447
(8)	16.478	16.410	18.440	19.505	20.097	22.059	******	0.415	0.496	0.427	0.548	0.539
(9)	8.022	7.806	8.647	8.195	7.657	7.689	8.848	******	0.414	0.475	0.720	0.722
(10)	9.515	8.607	9.911	9.306	9.493	8.667	11.074	8.816	******	0.405	0.747	0.823
(11)	5.184	5.678	6.289	6.555	6.911	6.641	9.161	10.464	8.602	******	0.750	0.689
(12)	9.055	9.174	10.265	10.264	10.023	9.710	12.692	20.136	21.805	21.981	******	0.980
(13)	9.462	9.287	10.480	10.249	10.183	9.703	12.420	20.243	28.067	18.452	95.072	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 376

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
101	142.5	205.0	134.5	179.0	251.5	298.5	283.0	14.0	371.0	5.0	231.0	240.0
102	183.0	350.5	276.5	369.0	283.5	366.0	374.0	9.5	90.0	332.0	112.5	56.0
103	65.5	58.5	186.0	231.5	245.0	269.5	159.0	48.5	62.5	32.0	30.0	29.5
201	80.5	112.5	116.0	170.0	176.0	212.0	172.5	28.5	24.0	45.0	21.0	21.5
202	105.5	133.0	127.5	162.5	188.0	194.5	178.5	64.0	62.5	152.5	52.5	50.5
203	305.5	271.0	360.0	345.0	363.0	347.0	359.0	361.0	332.5			
204	20.0	40.0	22.5	42.5	25.5	44.5	220.5	294.0	74.0	247.5	135.0	145.5
205	206.0	196.0	225.0	208.5	279.0	251.5	150.5	86.5	43.0	108.0	45.0	47.0
206	24.5	41.5	25.0	29.0	21.5	23.0	56.0	40.0	46.5	101.5	33.0	31.5
207	53.5	68.5	56.0	70.0	48.0	69.5	85.5	195.0	87.5	56.5	71.0	84.5
300	31.0	46.5	32.5	47.5	33.0	42.5	183.0	281.0	103.5	177.5	146.0	139.0
500	15.5	32.0	19.0	40.0	29.5	38.5	45.5	30.0	29.0	21.5	14.0	13.0
601	22.0	35.5	8.5	28.0	42.5	50.5	43.0	27.0	24.0	35.0	18.0	15.0
602	45.5	54.0	52.0	64.0	50.5	64.5	41.0	35.5	37.5	26.0	16.5	19.0
700	7.5	30.5	8.5	36.5	10.0	34.0	27.5	50.0	26.5	23.0	19.0	21.5
800	57.0	76.0	68.5	88.5	74.5	97.0	51.0	42.0	39.0	160.0	34.0	31.5
900	18.0	28.0	19.0	31.0	21.5	27.5	76.0	48.5	75.0	37.0	39.0	37.0
1000	64.0	79.0	70.5	85.0	74.5	78.5	79.0	46.0	55.0	30.5	26.0	26.0
1419	114.0	94.5	158.0	136.5	251.5	219.0	107.0	19.5	369.0		373.0	370.0
1701	307.5	341.5	312.5	259.5	303.5	153.0	169.0	372.0	377.0	348.0	368.0	371.5
1804	347.0	301.0	366.0	351.0	370.0	355.0	310.0	250.5	241.5	304.0	290.0	268.5
1925	36.0	52.5	46.0	58.0	272.0	229.5	339.0	67.5	328.0	324.0	208.5	242.5
1929	36.0	21.5	46.0	36.5	272.0	226.5	340.0	56.0	314.0	330.0	197.0	228.0
1931	55.0	8.0	152.5	139.5	143.0	89.0	29.5	1.0	367.0	7.0	13.0	39.0
1941	36.0	14.0	46.0	21.0	272.0	206.5	12.0	17.5	14.0	13.0	8.0	8.0
1951	297.0	273.0	280.5	262.5	264.5	245.5	300.0	171.5	99.0	327.0	152.5	132.0
1961	70.0	84.5	85.0	88.5	282.0	206.5	318.0	171.5	278.0	313.5	225.5	236.0
1990	36.0	37.0	46.0	53.0	272.0	231.5	338.0	66.0	311.5	331.0	218.0	238.0
2011	116.5	308.0	97.0	3.0	120.5	7.0	59.5	356.0	204.0	353.0	341.0	344.0
2013	186.5	274.5	102.5	136.5	127.5	163.0	70.0	360.0	129.0	359.0	351.0	347.0
2015	171.5	129.5	290.0	273.0	312.0	335.5	49.5	371.0	149.0	357.0	362.0	356.0
2021	220.5	353.0	246.0	328.0	315.0	360.0	362.0	3.0	1.0		305.0	125.0
2022	288.5	340.0	307.0	346.0	307.5	318.0	358.0	15.0	7.0		353.0	296.5
2023	26.0	3.0	30.5	3.0	31.5	2.0	153.5	19.5	171.5	367.0	271.0	258.0
2024	329.0	350.5	349.0	361.0	359.5	367.0	246.5	299.5	158.0	356.0	315.0	306.0
2026	142.5	141.5	134.5	90.0	251.5	183.0	35.0	343.0	94.0	362.0	338.0	328.0
2031	125.5	220.5	134.5	242.5	117.5	231.5	70.0	362.0	151.5	349.0	325.0	333.0
2032	238.0	255.0	222.0	202.0	202.0	149.5	251.5	368.0	350.0	358.0	364.0	365.0
2033	186.5	252.5	259.0	311.0	300.0	340.5	311.0	353.0	135.5	342.0	299.5	304.0
2034	278.5	288.0	299.5	299.0	316.5	320.0	302.0	330.5	131.0	318.0	252.5	253.0
2035	209.0	233.5	193.5	81.0	185.0	35.0	79.0	373.0	317.5		372.0	371.5
2036	32.5	17.5	36.5	19.0	38.0	24.5	11.0	366.0	37.5	000.0	256.5	248.0

Table 9.--Rank correlations, ranks, and summary statistics of the variables in table 8--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2037	243.0	274.5	286.0	324.0	310.0	345.0	360.0	354.5	118.0	341.0	311.5	320.0
2041	50.0	7.0	92.5	104.0	74.5	10.0	205.5	35.5	362.0	.	369.0	366.0
2042	62.5	2.0	61.0	2.0	52.5	4.0	3.0	46.0	49.5	1.0	6.0	10.0
2043	70.0	74.0	65.0	54.5	58.0	55.5	38.5	12.0	364.0	366.0	359.0	351.0
2044	112.0	233.5	178.5	342.0	161.0	239.0	227.0	13.0	363.0	.	365.0	361.0
2045	48.0	12.5	58.5	10.5	58.0	15.0	70.0	28.5	125.5	334.0	52.5	65.0
2046	142.5	181.0	193.5	226.5	80.5	83.0	62.0	271.0	229.0	333.0	256.5	267.0
2051	78.0	84.5	77.5	73.0	61.0	59.5	131.0	21.0	164.5	337.0	212.0	160.5
2052	93.0	75.0	87.5	68.0	70.0	55.5	187.0	17.5	156.0	343.0	212.0	151.5
2071	236.5	293.5	232.0	288.5	225.5	285.5	333.5	347.5	188.5	354.5	328.0	332.0
2072	97.5	122.5	68.5	79.5	58.0	64.5	20.0	299.5	40.0	64.5	36.5	52.0
2073	152.5	135.0	146.0	139.5	117.5	123.5	47.0	152.5	76.5	155.0	59.0	67.0
2082	152.5	147.0	124.0	123.0	97.0	108.0	144.5	136.0	160.0	260.5	174.5	165.0
2083	89.0	117.0	119.5	218.5	161.0	237.0	315.0	8.0	300.0	360.0	350.0	320.0
2084	190.5	190.0	227.5	229.0	272.0	259.0	147.5	367.0	105.5	364.0	357.0	353.0
2085	323.0	239.5	297.5	239.0	286.5	222.5	237.0	354.5	204.0	365.0	361.0	354.0
2086	43.5	15.5	39.0	12.0	41.0	12.0	24.0	253.5	21.5	312.0	117.5	91.0
2087	303.0	285.0	323.0	319.5	333.5	332.0	65.5	306.0	33.0	260.5	82.5	86.5
2091	7.5	1.0	19.0	1.0	10.0	1.0	10.0	288.0	162.5	225.5	327.0	244.5
2092	378.0	375.0	373.0	373.0	365.0	359.0	176.0	278.0	168.0	256.0	256.5	221.5
2093	76.0	149.0	141.5	277.0	166.0	293.0	268.0	338.0	252.5	316.0	339.5	330.0
2094	22.0	29.0	22.5	26.0	25.5	27.5	121.0	41.0	81.0	43.5	54.0	43.0
2095	7.5	15.5	8.5	15.0	10.0	18.5	6.0	370.0	21.5	350.0	295.0	324.0
2096	363.0	.	370.0	.	368.0	.	.	374.0	336.0	354.5	349.0	359.0
2097	7.5	35.5	8.5	41.0	10.0	42.5	48.0	51.0	28.0	39.5	32.0	28.0
2098	86.5	90.0	79.5	65.0	66.5	63.0	36.0	7.0	224.0	361.0	331.5	329.0
2099	128.5	145.0	146.0	164.5	156.5	161.0	134.0	330.5	166.5	320.0	268.5	264.0
2100	73.0	88.0	112.0	199.0	150.5	235.5	192.5	259.0	254.5	197.5	208.5	229.5
2111	375.0	360.0	378.0	367.0	378.0	372.0	312.0	376.0	345.0	.	.	375.0
2121	7.5	10.0	353.5	322.5	325.0	264.0	314.0	.	356.0	.	.	.
2131	227.0	122.5	299.5	213.0	327.0	271.0	316.5	.	354.0	.	.	.
2141	317.0	61.5	333.0	85.0	350.5	214.0	341.0	344.5	275.0	.	374.0	374.0
2201	340.0	335.0	361.0	362.5	366.5	365.0	361.0	337.0	341.0	187.0	336.5	342.0
2241	337.5	302.0	335.0	304.5	337.5	321.0	260.5	190.5	181.0	149.0	171.0	173.0
2251	356.5	332.0	372.0	358.0	373.0	362.0	369.0	302.5	357.0	254.0	344.0	348.0
2252	356.5	347.0	374.5	370.5	374.5	371.0	356.0	318.0	361.0	305.5	347.0	350.0
2253	361.0	344.0	374.5	368.0	374.5	369.0	357.0	324.0	359.0	313.5	346.0	349.0
2254	359.5	341.5	376.0	370.5	377.0	373.0	370.0	351.0	368.0	339.0	356.0	360.0
2256	359.5	371.0	369.0	372.0	372.0	374.0	377.0	349.5	375.0	335.0	367.0	367.0
2259	365.0	362.0	346.0	303.0	337.5	302.0	347.0	349.5	365.0	277.0	348.0	352.0
2280	307.5	323.0	339.5	353.0	345.0	351.0	331.0	294.0	300.0	258.0	308.0	310.5
2284	317.0	306.0	342.0	338.0	352.0	353.0	337.0	237.5	103.5	279.0	222.5	180.5
2291	355.0	374.0	356.0	375.0	350.5	370.0	372.0	325.0	374.0	266.0	355.0	363.0
2292	369.0	358.0	371.0	360.0	371.0	361.0	329.0	308.5	338.0	310.0	336.5	340.0
2293	346.0	377.0	351.0	377.0	349.0	376.0	335.0	46.0	337.0	27.0	109.0	169.0
2294	150.0	306.0	209.0	333.0	171.5	307.5	208.5	176.5	52.0	50.0	106.5	74.5
2295	243.0	64.0	276.5	45.0	294.5	40.5	25.5	208.5	293.0	74.5	285.5	264.0
2296	100.0	4.0	325.0	348.0	314.0	326.0	351.0	365.0	376.0	64.5	370.0	369.0
2297	290.0	363.0	326.0	357.0	335.5	354.0	375.0	70.5	61.0	18.0	35.0	34.0
2298	86.5	80.5	107.0	96.5	150.5	132.0	365.0	344.5	45.0	253.0	317.0	258.0
2299	57.0	30.5	63.0	44.0	50.5	40.5	303.5	202.0	197.0	91.0	171.0	176.5
2391	323.0	242.5	322.0	177.5	331.5	177.5	287.0	364.0	360.0	345.0	360.0	362.0
2392	334.0	333.0	331.0	310.0	335.5	312.0	289.0	304.5	348.0	285.5	329.0	335.0
2393	142.5	104.5	107.0	4.0	87.5	3.0	1.0	375.0	.	4.0	354.0	373.0
2394	264.5	161.5	284.5	112.0	268.0	62.0	2.0	4.0	2.0	10.0	1.0	1.0
2395	373.0	361.0	368.0	349.0	361.0	333.0	303.5	291.5	321.0	296.0	321.5	327.0
2396	344.0	346.0	343.5	347.0	343.5	339.0	229.0	202.0	277.0	264.5	252.5	258.0
2397	370.0	367.0	362.5	352.0	354.0	337.0	320.5	269.0	291.5	317.0	314.0	314.0
2399	343.0	309.0	329.0	285.0	330.0	291.5	308.5	278.0	353.0	308.5	330.0	336.0
2411	7.5	25.5	8.5	27.0	10.0	31.0	8.0	6.0	11.0	9.0	5.0	5.0
2421	27.5	57.0	25.0	56.0	10.0	46.5	53.0	77.5	32.0	29.0	38.0	33.0
2426	216.5	297.0	174.0	267.0	143.0	248.5	293.5	275.0	267.5	329.0	316.0	308.5
2429	7.5	43.5	8.5	47.5	10.0	50.5	85.5	195.0	78.0	58.0	84.0	84.5
2431	45.5	49.5	63.0	83.0	54.0	80.0	138.5	246.0	273.5	319.0	292.0	287.0
2432	231.0	286.0	297.5	336.5	322.0	349.0	324.5	286.5	267.5	285.5	260.5	277.0
2433	252.5	313.5	246.0	300.0	206.0	289.0	19.0	202.0	115.0	66.0	143.5	122.0
2491	108.0	201.5	130.5	249.5	97.0	220.0	88.5	269.0	177.0	225.5	281.0	236.0
2499	227.0	258.0	246.0	275.0	209.5	260.5	219.0	239.0	153.5	239.0	192.0	184.0
2500	231.0	247.5	222.0	259.5	202.0	260.5	234.0	323.0	177.0	53.5	206.0	220.0
2511	243.0	263.0	238.5	267.0	213.5	258.0	278.5	243.5	313.0	283.5	301.5	296.5
2512	328.0	310.0	307.0	280.0	293.0	251.5	217.0	202.0	294.5	289.0	278.5	275.0
2514	314.0	322.0	295.0	306.5	279.0	290.0	273.0	190.5	321.0	272.5	297.0	292.0
2515	323.0	320.5	324.0	336.5	333.5	342.0	223.0	215.5	304.0	298.0	292.0	288.0
2519	206.0	268.0	189.0	275.0	166.0	245.5	355.0	341.0	373.0	352.0	371.0	368.0
2521	243.0	264.5	238.5	269.0	213.5	256.0	286.0	250.5	325.0	293.0	306.5	312.5
2522	314.0	293.5	295.0	281.5	279.0	266.0	246.5	190.5	286.5	247.5	264.0	256.0
2531	211.5	226.0	199.0	218.5	171.5	186.5	280.5	234.5	330.0	293.0	309.5	315.0
2541	163.0	168.5	146.0	160.5	117.5	142.5	254.0	228.0	298.0	263.0	287.5	282.0
2542	323.0	300.0	302.5	287.0	290.5	269.5	242.0	179.5	285.0	239.0	249.5	251.5
2591	323.0	312.0	302.5	295.5	290.5	278.5	260.5	183.5	303.0	270.0	274.5	270.5
2599	119.0	109.5	127.5	125.0	104.5	108.0	246.5	237.5	269.0	243.5	271.0	261.5
2605	76.0	97.0	74.5	98.5	72.0	102.0	99.0	102.5	207.5	43.5	77.0	109.0
2611	7.5	17.5	8.5	19.0	10.0	21.5	18.0	32.5	17.0	91.0	20.0	20.0
2621	22.0	27.0	25.0	25.0	25.5	26.0	105.0	330.5	241.5	218.5	319.0	312.5
2631	95.5	109.5	77.5	100.5	52.5	76.0	132.5	315.0	276.0	224.0	309.5	301.5
2641	299.0	339.0	266.5	308.0	256.5	311.0	285.0	319.5	239.0	173.5	301.5	289.0
2642	314.0	326.0	302.5	317.5	296.5	314.5	257.5	330.5	282.5	96.0	289.0	296.5
2643	275.5	349.0	259.0	331.5	225.5	318.0	367.0	264.0	349.0	347.0	339.5	341.0
2644	174.0	210.5	164.0	196.5	136.0	182.0	159.0	310.5	257.0	49.0	208.5	246.0
2645	256.5	291.0	243.0	283.0	225.5	287.0	256.0	301.0	237.5	82.5	256.5	254.5
2646	133.0	164.5	116.0	158.5	91.0	142.5	211.5	334.0	156.0	70.0	276.5	244.5
2647	195.5	304.0	168.0	275.0	156.5	273.0	11.0	152.5	179.0	199.0	159.5	151.5
2649	283.0	298.0	276.5	291.0	247.0	284.0	276.5	289.0	198.5	87.0	229.0	221.5
2661	65.5	84.5	42.0	59.0	25.5	36.0	214.0	312.0	296.5	322.0	335.0	331.0
2701	190.5	182.0	204.0	191.5	213.5	201.0	164.0	215.5	123.0	143.5	121.0	119.5
2711	7.5	43.5	8.5	47.5	10.0	50.5	25.5	22.0	19.0	16.5	11.0	11.0

Table 9.--Rank correlations, ranks, and summary statistics of the variables in table 8--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2721	18.0	23.5	8.5	23.5	10.0	24.5	15.5	11.0	9.0	12.0	4.0	4.0
2731	41.5	84.5	19.0	50.5	21.5	54.0	42.0	266.0	335.0	24.0	159.5	231.5
2732	24.5	41.5	8.5	33.5	10.0	38.5	34.0	76.0	196.0	16.5	41.5	62.0
2741	53.5	67.0	39.0	57.0	39.0	57.0	61.5	55.0	138.0	15.0	27.5	43.0
2753	123.0	139.5	98.0	125.0	150.5	168.5	45.5	140.5	308.5	20.0	105.0	169.0
2761	256.5	303.0	243.0	290.0	225.5	288.0	271.0	313.5	231.5	150.5	285.5	270.5
2771	260.5	261.0	249.5	242.5	232.5	233.5	231.5	272.0	326.0	143.5	245.0	285.5
2782	271.5	256.5	263.5	246.0	237.0	239.0	266.0	326.0	258.5	134.5	232.5	278.0
2789	29.5	38.0	28.0	33.5	29.5	37.0	27.5	79.5	156.0	19.0	40.0	59.0
2791	39.0	58.5	34.5	60.0	36.5	61.0	33.0	32.5	30.0	25.0	15.0	14.0
2793	169.0	135.0	158.0	135.0	127.5	128.0	37.0	61.5	82.5	81.0	57.5	56.0
2794	169.0	158.0	158.0	149.0	127.5	134.0	40.0	74.0	87.5	96.0	66.0	61.0
2821	336.0	331.0	318.0	315.0	303.5	304.0	260.5	206.5	220.5	206.0	189.5	201.0
2822	95.5	72.0	87.5	69.0	70.0	50.5	147.5	60.0	139.5	63.0	62.5	79.0
2823	341.0	337.5	288.5	286.0	276.0	283.0	353.0	280.0	146.0	267.5	246.0	218.0
2824	271.5	220.5	321.0	295.5	319.0	302.0	324.5	212.0	116.5	215.5	168.5	135.0
2841	123.0	107.0	137.5	130.5	176.0	172.0	301.0	340.0	151.5	297.0	283.5	266.0
2842	83.0	87.0	81.0	85.0	66.5	71.0	172.5	105.0	230.0	272.5	178.0	184.0
2843	294.5	336.0	280.5	316.0	264.5	306.0	326.5	352.0	164.5	307.0	313.0	299.0
2844	293.0	356.5	270.5	340.0	247.0	324.0	265.0	328.0	370.0	351.0	352.0	357.5
2851	121.0	94.5	119.5	98.5	97.0	78.5	81.0	58.5	214.0	127.0	71.0	110.5
2861	27.5	23.5	32.5	33.5	63.5	157.0	215.0	61.5	35.5	101.5	41.5	35.0
2871	7.5	9.0	8.5	6.0	10.0	6.0	7.0	25.0	8.0	8.0	9.0	7.0
2872	7.5	5.0	8.5	5.0	10.0	5.0	5.0	23.0	3.0	3.0	7.0	6.0
2879	309.5	325.0	310.0	326.0	286.5	300.0	239.5	291.5	149.0	237.0	215.5	204.5
2891	271.5	311.0	253.0	293.0	220.0	267.5	144.5	136.0	98.0	245.0	131.0	114.0
2892	62.5	55.5	49.0	42.5	279.0	262.0	126.0	99.5	131.0	127.0	86.5	93.5
2893	52.0	33.5	52.0	38.5	45.5	32.5	22.5	223.5	248.5	251.5	230.0	231.5
2895	105.5	118.0	52.0	62.0	10.0	20.0	15.5	31.0	18.0	47.0	23.0	16.0
2899	112.0	115.0	92.5	102.0	101.5	117.0	275.0	316.0	201.0	264.5	248.0	247.0
2901	250.0	219.0	225.0	206.0	217.5	201.0	244.0	302.5	137.0	218.5	220.0	209.5
2951	7.5	25.5	8.5	22.0	10.0	13.5	14.0	16.0	57.0	28.0	22.0	17.5
2952	73.0	100.0	52.0	73.0	10.0	11.0	128.0	357.0	201.0	72.0	320.0	316.5
3011	150.0	156.5	107.0	96.5	87.5	84.5	72.5	248.0	271.5	250.0	264.0	264.0
3021	286.5	215.5	312.5	249.5	318.0	281.0	298.5	335.0	332.5	325.0	321.5	338.0
3031	7.5	19.0	8.5	17.0	10.0	18.5	130.0	37.0	73.0	82.5	50.5	45.0
3069	177.0	150.5	152.5	125.0	127.5	108.0	217.0	210.0	212.5	188.0	188.0	195.5
3079	277.0	173.0	256.0	171.5	232.5	163.0	196.0	176.5	185.0	147.0	143.5	147.5
3101	43.5	49.5	58.5	66.5	91.0	168.5	336.0	363.0	317.5	300.0	345.0	346.0
3111	158.5	193.0	176.5	196.5	166.0	166.0	153.5	81.5	288.5	344.0	318.0	290.0
3121	163.0	137.0	146.0	130.5	117.5	114.5	117.0	164.0	286.5	336.0	283.5	280.0
3131	157.0	126.0	137.5	112.0	112.0	91.5	83.0	161.5	331.0	234.5	247.0	280.0
3141	220.5	187.0	284.5	249.5	286.5	264.0	227.0	269.0	153.5	171.5	174.5	195.5
3142	234.0	185.0	218.5	145.5	198.5	114.5	185.0	263.0	146.0	191.0	167.0	187.0
3151	337.5	359.0	350.0	366.0	366.5	375.0	371.0	339.0	372.0	150.5	358.0	357.5
3161	342.0	327.0	331.0	329.0	341.5	340.5	350.0	241.0	327.0	241.5	266.5	294.0
3171	331.0	316.5	331.0	339.0	339.0	343.0	330.0	253.5	241.5	291.0	249.5	254.5
3172	234.0	193.0	259.0	208.5	286.5	256.0	263.5	202.0	248.5	215.5	220.0	226.0
3199	193.0	189.0	170.5	168.5	150.5	157.0	251.5	261.0	343.0	301.0	304.0	322.0
3221	216.5	191.0	213.0	191.5	188.0	174.0	231.5	240.0	271.5	141.0	236.0	248.0
3241	61.0	82.0	39.0	66.5	10.0	50.5	29.5	88.5	41.5	79.5	48.5	48.0
3251	371.0	368.0	56.0	79.5	42.5	67.0	192.5	108.5	264.5	70.0	152.5	191.0
3253	335.0	295.0	353.5	341.0	364.0	350.0	344.0	152.5	302.0	59.5	193.5	225.0
3255	137.5	160.0	112.0	149.0	91.0	134.0	194.5	220.5	82.5	177.5	95.5	101.0
3259	239.5	212.0	222.0	186.0	206.0	193.0	268.0	99.5	290.0	61.0	164.5	203.0
3261	354.0	324.0	341.0	309.0	327.0	309.0	333.5	307.0	291.5	119.5	244.0	285.5
3262	376.0	365.0	377.0	364.0	376.0	368.0	373.0	358.0	281.0	134.5	271.0	323.0
3263	345.0	318.5	327.0	306.5	320.0	305.0	342.0	321.0	315.0	143.5	260.5	306.0
3264	317.0	244.5	316.5	267.0	309.0	275.5	242.0	171.5	188.5	212.0	189.5	180.5
3269	352.0	318.5	343.5	294.0	327.0	310.0	354.0	327.0	250.0	132.0	237.5	272.5
3271	264.5	290.0	232.0	278.0	217.5	273.0	368.0	96.5	339.0	196.0	228.0	250.0
3272	294.5	283.0	307.0	297.0	312.0	318.0	364.0	74.0	300.0	147.0	152.5	201.0
3273	147.5	223.0	102.5	194.0	78.0	166.0	22.5	88.5	34.0	78.0	46.0	43.0
3274	101.0	127.5	82.5	112.0	55.5	84.5	117.0	43.0	96.5	21.5	36.5	38.0
3275	198.5	199.0	183.5	203.0	166.0	188.5	38.5	53.0	171.5	62.0	64.0	82.0
3281	239.5	247.5	218.5	234.5	195.0	180.5	162.0	111.5	71.0	137.5	73.5	67.0
3291	40.0	48.0	36.5	47.5	36.5	44.5	105.0	105.0	120.5	111.5	91.0	90.0
3292	90.0	72.0	82.5	75.5	70.0	69.5	141.0	220.5	216.5	195.0	202.0	206.5
3293	99.0	92.5	87.5	91.0	74.5	81.0	155.5	197.5	181.0	171.5	152.5	156.0
3295	201.5	313.5	74.5	82.0	136.0	224.5	234.0	2.0	162.5	2.0	12.0	12.0
3296	297.0	250.5	309.0	281.5	298.5	275.5	268.0	255.0	334.0	204.0	260.5	291.0
3297	150.0	177.0	124.0	164.5	104.5	159.0	208.5	261.0	90.0	236.0	124.5	123.5
3299	231.0	242.5	218.5	10.5	198.5	267.5	170.5	161.5	125.5	122.0	103.0	104.0
3312	103.0	116.0	139.5	173.0	193.0	214.0	217.0	265.0	128.0	212.0	191.0	169.0
3313	109.5	148.0	124.0	183.0	112.0	177.5	136.0	183.5	174.0	183.5	152.5	135.0
3315	57.0	33.5	52.0	23.5	49.0	21.5	17.0	108.5	261.0	162.5	197.0	215.5
3316	163.0	205.0	216.0	249.5	256.5	278.5	283.0	85.0	84.5	169.5	94.0	82.0
3317	83.0	72.0	100.0	95.0	150.5	114.5	65.5	282.5	84.5	67.5	237.5	165.0
3331	41.5	52.5	8.5	50.5	45.5	67.0	112.5	38.5	35.5	39.5	25.0	24.0
3332	107.0	315.0	146.0	254.0	206.0	298.5	155.5	165.0	119.0	181.5	104.0	112.0
3333	76.0	124.5	94.5	168.5	150.5	228.0	202.5	273.5	127.0	289.0	181.0	173.0
3334	86.5	104.5	84.0	112.0	97.0	147.0	159.0	183.5	49.5	208.0	82.5	80.0
3339	29.5	39.0	27.0	30.0	28.0	32.5	176.0	119.5	110.0	181.5	112.5	101.0
3341	32.5	21.5	30.5	14.0	34.5	17.0	189.0	123.5	149.0	204.0	140.5	119.5
3351	86.5	135.0	70.5	176.0	66.5	134.0	109.0	359.0	288.5	363.0	366.0	355.0
3352	190.5	246.0	199.0	264.5	225.5	273.0	291.0	336.0	296.5	338.0	331.5	334.0
3356	51.0	61.5	60.0	73.0	55.5	73.0	199.5	149.0	64.0	139.5	66.0	64.0
3357	292.0	343.0	268.5	327.0	256.5	314.5	211.5	333.0	321.0	340.0	334.0	339.0
3361	300.5	330.0	293.0	330.0	294.5	316.0	308.5	252.0	279.5	201.0	239.0	251.5
3362	186.5	235.0	183.5	262.5	166.0	226.5	278.5	284.5	366.0	323.0	342.0	345.0
3369	234.0	260.0	213.0	236.5	209.5	221.0	246.5	230.5	308.5	274.0	287.5	283.0
3391	68.0	68.5	63.0	54.5	91.0	82.0	166.5	163.0	160.0	160.0	152.5	139.0
3392	73.0	65.5	43.0	16.0	61.0	50.5	79.0	24.0	10.0	14.0	10.0	9.0
3399	60.0	65.5	46.0	61.0	45.5	58.0	166.5	130.5	93.0	160.0	95.5	89.0
3411	183.0	214.0	170.5	180.5	156.5	147.0	82.0	186.0	352.0	173.5	278.5	300.0
3421	358.0	366.0	358.0	359.0	353.0	356.0	348.0	297.0	311.5	177.5	311.5	308.5

Table 9.--Rank correlations, ranks, and summary statistics of the variables in table 8--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
3423	291.0	238.0	261.5	216.0	237.0	192.0	242.0	167.0	212.5	116.5	152.5	160.5
3425	133.0	127.5	119.5	121.5	97.0	104.0	91.5	243.5	55.0	177.5	106.5	96.5
3429	236.5	210.5	181.0	166.0	171.5	151.0	289.0	202.0	166.5	256.0	200.0	191.0
3431	333.0	320.5	312.5	301.0	301.0	294.0	150.5	156.5	231.5	321.0	266.5	233.5
3432	285.0	328.5	273.0	322.5	243.5	302.0	316.5	225.5	358.0	212.0	306.5	325.0
3433	213.0	208.5	204.0	194.0	181.0	170.0	199.5	126.5	227.0	132.0	171.0	173.0
3441	137.5	139.5	130.5	127.5	161.0	139.5	85.5	139.0	141.0	51.5	76.0	96.5
3442	275.5	269.0	265.0	259.5	243.5	233.5	183.0	94.0	69.0	162.5	78.5	72.5
3443	227.0	250.5	218.5	236.5	198.5	196.0	67.5	52.0	107.5	51.5	50.5	59.0
3444	155.0	154.0	112.0	116.0	112.0	104.0	85.5	107.0	101.0	46.0	56.0	70.0
3446	155.0	145.0	112.0	112.0	112.0	106.0	94.5	115.5	100.0	53.5	60.5	74.5
3449	155.0	167.0	112.0	108.0	112.0	93.5	72.5	99.5	110.0	42.0	55.0	72.5
3461	70.0	63.0	96.0	93.0	82.5	74.0	88.5	308.5	76.5	74.5	147.0	147.5
3471	133.0	138.0	199.0	194.0	260.5	241.5	202.5	169.0	95.0	183.5	122.5	110.5
3479	133.0	152.5	199.0	216.0	260.5	264.0	220.5	171.5	86.0	191.0	126.0	107.0
3481	171.5	183.0	152.5	155.0	143.0	128.0	178.5	187.0	279.5	194.0	243.0	240.0
3491	183.0	229.0	170.5	199.0	156.5	166.0	91.5	197.5	355.0	177.5	294.0	316.5
3492	311.5	296.0	295.0	292.0	283.5	277.0	289.0	232.5	323.5	201.0	240.5	275.0
3493	128.5	120.5	41.0	19.0	39.0	16.0	44.0	167.0	218.5	157.5	178.0	184.0
3496	198.5	231.0	181.0	201.0	176.0	186.5	97.0	243.5	347.0	185.5	296.0	310.5
3497	137.5	99.0	79.5	38.5	66.5	30.0	194.5	44.0	66.0	74.5	43.0	36.0
3499	258.0	236.0	266.5	245.0	256.5	229.5	197.0	144.5	210.0	143.5	152.5	159.0
3501	339.0	306.0	319.0	288.5	307.5	291.5	322.0	228.0	174.0	169.5	183.5	176.5
3511	203.5	188.0	238.5	216.0	225.5	190.0	141.0	57.0	92.0	189.0	78.5	67.0
3519	103.0	92.5	90.5	87.0	79.0	72.0	76.0	130.5	15.5	277.0	73.5	53.5
3522	15.5	11.0	8.5	7.0	10.0	8.0	21.0	282.5	24.0	124.5	91.0	82.0
3531	163.0	166.0	152.5	147.0	127.5	104.0	101.5	220.5	133.5	105.5	109.0	119.5
3532	169.0	141.5	164.0	130.5	136.0	100.0	124.0	123.5	135.5	87.0	91.0	104.0
3533	174.0	120.5	174.0	143.5	143.0	114.5	91.5	119.5	107.5	116.5	86.5	93.5
3534	174.0	164.5	164.0	151.0	127.5	128.0	121.0	144.5	116.5	105.5	91.0	101.0
3535	177.0	159.0	164.0	142.0	127.5	111.0	109.0	139.0	110.0	91.0	80.5	98.0
3536	163.0	168.5	146.0	133.5	120.5	97.0	94.5	130.5	96.5	74.5	68.5	86.5
3537	116.5	112.5	152.5	157.0	112.0	111.0	101.5	190.5	233.0	197.5	197.0	213.5
3541	271.5	249.0	238.5	204.0	213.5	184.5	181.0	67.5	266.0	111.5	152.5	169.0
3542	252.5	224.0	249.5	221.5	232.5	197.5	187.0	69.0	264.5	129.0	162.5	176.5
3548	227.0	205.0	213.0	183.0	191.0	163.0	129.0	119.5	187.0	167.5	127.0	130.5
3551	209.0	185.0	193.5	171.5	166.0	145.0	144.5	94.0	235.0	96.0	140.5	156.0
3552	246.5	230.0	232.0	220.0	136.0	120.5	141.0	83.0	59.0	122.0	60.5	53.5
3553	180.0	175.0	152.5	145.5	127.5	123.5	136.0	111.5	270.0	77.0	174.5	198.0
3554	146.0	131.5	130.5	119.0	107.5	100.0	117.0	84.0	90.0	124.5	71.0	70.0
3555	186.5	163.0	178.5	152.5	143.0	120.5	112.5	86.5	72.0	227.5	86.5	77.0
3559	145.0	131.5	124.0	118.0	107.5	100.0	61.0	90.5	143.0	132.0	100.5	107.0
3561	147.5	124.5	139.5	120.0	112.0	95.0	76.0	130.5	190.0	201.0	131.0	143.0
3562	260.5	237.0	263.5	225.0	240.5	194.5	223.0	225.5	52.0	249.0	115.0	93.5
3564	128.5	107.0	116.0	103.0	97.0	86.0	97.0	136.0	210.0	280.0	185.0	187.0
3565	180.0	143.0	146.0	133.5	181.0	153.0	164.0	115.5	60.0	191.0	75.0	63.0
3566	243.0	215.5	204.0	177.5	202.0	174.0	159.0	139.0	160.0	84.0	112.5	115.0
3567	223.5	200.0	204.0	174.5	188.0	160.0	190.5	102.5	207.5	87.0	119.5	128.5
3569	180.0	152.5	170.5	143.5	136.0	118.5	117.0	79.5	131.0	111.5	91.0	93.5
3571	195.5	150.5	174.0	139.5	143.0	123.5	101.5	130.5	181.0	229.5	143.5	139.0
3572	36.0	46.5	34.5	52.0	34.5	46.5	59.5	115.5	193.5	234.5	166.0	151.5
3576	268.0	239.5	261.5	231.5	232.5	201.0	183.0	90.5	133.5	96.0	100.5	104.0
3579	190.5	170.5	176.5	162.5	156.5	149.5	150.5	115.5	122.0	287.0	174.5	127.0
3581	198.5	197.5	186.0	183.0	156.5	153.0	9.0	9.5	6.0	6.0	3.0	3.0
3582	222.0	213.0	238.5	233.0	206.0	197.5	234.0	74.0	191.5	105.5	100.5	116.5
3585	119.0	102.0	100.0	93.0	84.5	76.0	105.0	92.0	256.0	302.5	212.0	223.5
3586	158.5	217.0	164.0	223.5	127.5	177.5	57.5	99.5	186.0	277.0	159.5	156.0
3589	201.5	177.0	181.0	158.5	166.0	142.5	74.0	94.0	183.5	122.0	109.0	116.5
3599	97.5	89.0	74.5	78.0	86.0	87.0	53.0	141.5	68.0	165.0	86.5	77.0
3611	211.5	170.5	253.0	206.0	290.5	256.0	254.0	152.5	234.0	212.0	205.0	209.5
3612	216.5	203.0	227.5	223.5	240.5	222.5	271.0	105.0	113.0	96.0	117.5	107.0
3613	288.5	256.5	287.0	259.5	268.0	239.0	199.5	123.5	251.0	70.0	138.5	176.5
3621	198.5	177.0	213.0	180.5	213.5	184.5	205.5	77.5	222.5	137.5	135.0	133.0
3622	112.0	96.0	186.0	152.5	181.0	147.0	230.0	152.5	237.5	208.0	197.0	203.5
3623	137.5	119.0	107.0	105.5	91.0	89.0	49.5	174.0	226.0	101.5	131.0	156.0
3624	109.5	98.0	94.5	93.0	80.5	76.0	176.0	119.5	216.5	116.5	119.5	126.0
3629	216.5	185.0	238.5	206.0	240.5	209.5	257.5	123.5	244.5	208.0	204.0	204.5
3631	267.0	259.0	249.5	241.0	225.5	214.0	132.5	220.5	346.0	221.5	281.0	301.5
3632	177.0	179.5	164.0	155.0	127.5	123.5	97.0	58.5	282.5	305.5	215.5	223.5
3633	254.0	266.0	232.0	244.0	213.5	211.0	249.5	63.0	210.0	87.0	97.0	119.5
3634	250.0	277.0	232.0	264.5	195.0	217.0	205.5	152.5	4.0	139.5	44.0	25.0
3635	250.0	218.0	232.0	210.5	195.0	180.5	164.0	159.0	294.5	87.0	178.0	218.0
3636	163.0	156.5	158.0	155.0	127.5	137.0	136.0	183.5	204.0	227.5	222.5	201.0
3639	206.0	197.5	193.5	185.0	171.5	155.0	159.0	134.0	236.0	155.0	159.5	180.5
3641	128.5	101.0	158.0	116.0	181.0	131.0	223.0	147.0	247.0	221.5	208.5	213.5
3642	283.0	284.0	312.5	317.5	322.0	338.0	363.0	261.0	105.5	269.0	225.5	193.5
3651	216.5	193.0	209.0	190.0	206.0	201.0	170.5	243.5	218.5	152.5	202.0	212.0
3652	140.0	107.0	134.5	127.5	104.5	111.0	168.0	212.0	215.0	251.5	186.5	198.0
3661	297.0	226.0	270.5	210.5	264.5	209.5	199.5	141.5	244.5	79.5	135.0	162.5
3662	67.0	60.0	130.5	108.0	176.0	142.5	126.0	202.0	143.0	147.0	152.5	139.0
3674	227.0	201.5	209.0	188.5	185.0	171.0	211.5	256.5	143.0	241.5	227.0	198.0
3679	216.5	195.0	189.0	174.5	191.0	177.5	190.5	228.0	124.0	177.5	164.5	135.0
3691	264.5	278.0	199.0	187.0	237.0	217.0	260.5	258.0	79.5	223.0	138.5	123.5
3692	303.0	241.0	288.5	239.0	268.0	217.0	225.0	342.0	183.5	111.5	242.0	261.5
3693	80.5	78.0	74.5	77.0	61.0	67.0	205.5	159.0	15.5	157.5	68.5	49.0
3694	79.0	70.0	72.0	63.0	63.5	59.5	144.5	248.0	113.0	212.0	162.5	143.0
3699	167.0	145.0	276.5	270.0	298.5	295.0	283.0	167.0	252.5	256.0	232.5	227.0
3702	91.0	91.0	90.5	100.5	82.5	91.5	211.5	195.0	170.0	165.0	186.5	169.0
3713	18.0	12.5	19.0	13.0	21.5	13.5	53.0	347.5	12.0	67.5	124.5	113.0
3715	93.0	80.5	193.5	221.5	260.5	281.0	63.5	143.0	261.0	55.0	135.0	162.5
3717	83.0	77.0	56.0	33.5	45.5	29.0	55.0	304.5	31.0	271.0	181.0	128.5
3721	163.0	179.5	141.5	149.0	143.0	128.0	109.0	159.0	65.0	48.0	30.0	40.5
3722	123.0	129.5	104.0	121.5	127.5	137.0	101.5	156.5	26.5	281.0	98.0	70.0
3723	48.0	45.0	66.5	75.5	143.0	139.5	114.0	70.5	13.0	308.5	62.5	40.5
3729	48.0	51.0	66.5	71.0	143.0	128.0	121.0	81.5	20.0	283.5	66.0	50.5
3731	133.0	103.0	124.0	105.5	104.5	89.0	63.5	34.0	44.0	36.0	24.0	23.0

Table 9.--Rank correlations, ranks, and summary statistics of the variables in table 8--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
3732	125.5	114.0	119.5	116.0	101.5	97.0	57.5	26.0	41.5	33.0	16.5	17.5
3741	351.0	352.0	339.5	343.0	324.0	328.0	91.5	147.0	58.0	130.0	57.5	59.0
3742	271.5	289.0	302.5	313.5	312.0	331.0	293.5	65.0	102.0	30.5	48.5	56.0
3751	203.5	228.0	204.0	234.5	181.0	191.0	320.5	319.5	340.0	282.0	343.0	343.0
3791	93.0	55.5	193.5	213.0	260.5	296.5	31.5	176.5	263.0	41.0	128.5	165.0
3799	59.0	20.0	29.0	9.0	31.5	9.0	67.5	290.0	206.0	326.0	298.0	275.0
3811	280.5	232.0	164.0	139.5	240.5	206.5	117.0	54.0	46.5	34.0	30.0	29.5
3821	319.0	287.0	282.5	254.0	275.0	251.5	297.0	215.5	195.0	105.5	143.5	156.0
3822	260.5	226.0	243.0	213.0	220.0	201.0	227.0	248.0	228.0	101.5	122.5	187.0
3831	353.0	328.5	345.0	321.0	341.5	329.0	319.0	273.5	79.5	165.0	215.5	143.0
3841	350.0	345.0	336.5	334.5	322.0	323.0	295.0	215.5	191.5	233.0	224.0	209.5
3842	223.5	173.0	213.0	160.5	191.0	137.0	126.0	72.0	55.0	111.5	47.0	46.0
3843	260.5	244.5	256.0	239.0	232.5	224.5	239.5	190.5	48.0	185.5	100.5	77.0
3851	300.5	267.0	320.0	298.0	331.5	326.0	332.0	276.0	225.0	260.5	276.5	242.5
3861	194.0	161.5	189.0	167.0	176.0	157.0	237.0	294.0	120.5	231.5	202.0	191.0
3871	374.0	370.0	364.0	354.0	369.0	357.0	352.0	223.5	246.0	260.5	268.5	240.0
3872	377.0	373.0	365.0	365.0	362.0	358.0	366.0	126.5	344.0	315.0	326.0	318.0
3911	349.0	354.0	328.0	344.0	316.5	334.0	349.0	256.5	254.5	328.0	299.5	284.0
3912	372.0	376.0	367.0	374.0	359.5	364.0	345.0	267.0	310.0	311.0	303.0	303.0
3913	115.0	270.0	100.0	257.0	84.5	243.5	313.0	38.5	52.0	56.5	27.5	27.0
3914	246.5	272.0	282.5	304.5	303.5	330.0	328.0	313.5	284.0	275.0	324.0	320.0
3931	330.0	279.0	316.5	284.0	306.0	281.0	237.0	206.5	201.0	167.5	193.5	189.0
3941	366.0	369.0	353.5	355.0	343.5	348.0	326.5	286.5	305.5	293.0	292.0	296.5
3942	367.0	356.5	359.0	350.0	348.0	335.5	280.5	284.5	261.0	239.0	264.0	268.5
3943	271.5	280.0	256.0	271.5	232.5	251.5	346.0	310.5	323.5	96.0	281.0	306.0
3949	303.0	282.0	291.5	279.0	296.5	285.5	274.0	232.5	273.5	246.0	274.5	260.0
3951	364.0	337.5	353.5	331.5	340.0	322.0	271.0	208.5	193.5	229.5	197.0	193.5
3952	278.5	264.5	268.5	254.0	251.5	247.0	254.0	234.5	305.5	267.5	260.5	272.5
3953	323.0	276.0	347.5	325.0	356.0	344.0	298.5	212.0	241.5	299.0	234.5	229.5
3955	103.0	155.0	87.5	130.5	77.0	118.5	150.5	322.0	177.0	96.0	252.5	233.5
3961	368.0	364.0	362.5	356.0	357.0	352.0	323.0	230.5	169.0	218.5	183.5	180.5
3962	348.0	355.0	357.0	362.5	358.0	363.0	296.0	346.0	319.0	302.5	333.0	337.0
3963	286.5	207.0	338.0	302.0	346.0	326.0	343.0	298.0	329.0	231.5	323.0	326.0
3964	362.0	348.0	336.5	313.5	329.0	313.0	276.5	111.5	258.5	204.0	215.5	215.5
3981	332.0	316.5	315.0	312.0	303.5	307.5	307.0	296.0	174.0	119.5	234.5	218.0
3982	248.0	222.0	207.0	199.0	185.0	188.5	138.5	278.0	316.0	136.0	240.5	280.0
3983	305.5	299.0	249.5	247.0	220.0	241.5	111.0	218.0	222.5	38.0	116.0	139.0
3984	323.0	334.0	305.0	319.5	290.5	296.5	305.5	190.5	351.0	116.5	273.0	293.0
3987	7.5	6.0	334.0	334.5	347.0	346.0	4.0	5.0	5.0	11.0	2.0	2.0
3988	309.5	281.0	291.5	271.5	279.0	254.0	249.5	179.5	67.0	243.5	112.5	99.0
3993	311.5	292.0	273.0	254.0	251.5	243.5	292.0	181.0	146.0	218.5	181.0	149.0
3995	327.0	372.0	347.5	376.0	355.0	377.0	376.0	369.0	342.0	346.0	363.0	364.0
3999	283.0	254.0	253.0	226.5	225.5	206.5	180.0	96.5	113.0	111.5	80.5	88.0
4101	119.0	111.0	107.0	108.0	97.0	93.5	123.0	147.0	220.5	59.5	135.0	145.5
4208	264.5	252.5	232.0	229.0	264.5	248.5	187.0	236.0	139.5	193.0	168.5	151.5
4703	255.0	208.5	279.0	229.0	251.5	204.0	263.5	111.5	198.5	127.0	128.5	130.5
5503	280.5	262.0	273.0	254.0	247.0	235.5	305.5	176.5	307.0	155.0	220.0	236.0
5701	209.0	173.0	225.0	188.5	198.5	174.0	174.0	317.0	70.0	295.0	252.5	209.5

SUMMARY STATISTICS FOR 378 OBSERVATIONS

VARIABLE	SUM	AVERAGE	STAND. DEV.	MINIMUM	MAXIMUM	COEF. OF VARIATION
USTT6570	4381.05	11.5901	8.22011	.0	48.0000	.709238
EP65W	8649.37	22.8819	32.3738	-19.5000	415.700	1.41482
USTT7070	3367.17	8.90785	6.87844	.0	40.8000	.772177
EP70W	15987.1	42.2939	513.860	-19.0000	9999.90	12.1497
USTTPK70	2808.67	7.43034	6.28009	.0	48.5000	.845196
EPPKW	5819.94	15.3967	48.8727	-19.2000	898.300	3.17424
GWEPUS	5417.79	14.3328	45.9714	-24.1000	848.200	3.20743
GWEPEEC	5447.07	14.4102	25.2402	-17.2000	285.000	1.75155
GWEPCAN	7816.96	20.6798	26.8753	-23.9000	372.700	1.29959
GWEPJAP	73100.0	193.386	1258.57	-21.9000	9999.90	6.50804
GWEPECJU	7202.12	19.0532	33.0211	-11.6000	394.300	1.73310
GWEPACTY	6788.45	17.9588	25.2909	-11.5000	252.600	1.40827

Source: Calculated from a data bank at the U.S. International Trade Commission.

Table 10.--Effective tariff rates for major trading areas using unweighted nominal tariff averages

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE; NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		1965		1970		PKR							
		N	E	N	E	N	E	US	EEC	CANADA	JAPAN	EEC CAN JAP UP	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
101	DAIRY FARM PRODUCTS----------(101)----	1.7	-6.4	1.2	-5.6	1.0	-2.5	70.6	60.8	78.7	-11.3	42.9	40.0
102	POULTRY & EGGS----------(102)----	7.8	24.2	11.0	73.5	5.8	25.1	38.2	2.6	29.4	21.6	18.1	19.5
103	MEAT, ANIMALS, & MISCELLANEOUS LIVESTOCK PRODUCTS----------(103)----	6.1	6.3	6.3	10.2	5.1	8.4	7.3	1.3	1.1	2.4	2.1	1.9
201	COTTON----------(201)----	4.3	7.4	4.7	8.7	4.8	9.3	15.2	-2.8	-0.7	1.1	1.4	0.3
202	FOOD FEED GRAINS & GRASS SEEDS------(202)----	7.1	11.8	5.5	8.9	4.6	7.4	13.1	3.6	4.3	11.9	8.6	9.8
203	TOBACCO----------(203)----	35.5	67.4	26.3	46.8	25.3	45.0	148.6	32.2	34.2			
204	FRUITS & TREE NUTS----------(204)----	8.0	11.0	5.9	8.0	5.7	8.0	15.8	15.4	4.1	20.6	11.9	11.5
205	VEGETABLES, SUGAR & MISC. CROPS-----(205)----	10.8	16.1	8.6	12.8	7.9	11.9	7.5	5.9	2.2	9.8	5.8	5.2
206	OIL BEARING CROPS----------(206)----	4.8	6.7	4.1	5.6	2.6	3.1	19.2	-0.2	5.6	7.0	5.5	4.4
207	FOREST, GREENHOUSE & NURSERY PRODUCTS----------(207)----	4.4	5.0	3.0	3.3	2.5	2.7	6.6	9.6	7.2	7.0	8.4	8.2
300	FORESTRY & FISHERY PRODUCTS----------(300)----	2.9	1.2	1.8	0.0	1.3	-0.3	13.2	13.2	7.5	13.8	11.2	10.3
500	IRON & FERROALLOY ORES MINING-------(500)----	3.7	4.4	1.3	0.8	2.4	2.5	1.2	-1.6	5.1	-1.6	-0.1	0.7
601	COPPER ORE MINING----------(601)----	1.6	-0.3	0.0	-2.1	6.5	8.4	1.7	-2.1	3.4	1.9	1.1	0.9
602	NONFERROUS METAL ORES MINING, EXCEPT COPPER----------(602)----	2.8	2.2	1.6	0.6	1.5	0.7	2.4	-1.1	4.4	-0.2	1.0	1.1
700	COAL MINING----------(700)----	0.0	-2.0	0.0	-1.5	0.0	-1.5	-1.4	0.5	-1.6	-0.8	-0.9	-0.8
800	CRUDE PETROLEUM & NATURAL GAS-------(800)----	2.1	2.5	2.1	2.7	2.1	2.8	3.4	0.7	3.9	15.3	5.5	4.6
900	STONE & CLAY MINING & QUARRYING-----(900)----	4.6	4.4	2.0	1.0	1.5	0.3	5.9	2.2	6.6	3.1	4.2	3.9
1000	CHEMICAL & FERTILIZER MINERAL MINING----------(1000)----	6.4	8.0	4.0	4.6	3.2	3.1	2.5	1.8	3.4	2.1	2.3	2.3
1419	CANE SUGAR, EXCLUDING REFINING------(2061)-+												
	CANE SUGAR REFINING----------(2062)-+												
	BEET SUGAR----------(2063)----	4.9	2.0	4.3	2.6	4.6	4.0	9.9	-4.6	34.3	388.3	51.6	42.0
1701	WOVEN CARPETS & RUGS----------(2271)-+												
	TUFTED CARPETS & RUGS----------(2272)-+												
	CARPETS & RUGS, N.E.C.----------(2279)----	20.5	50.0	15.3	27.2	11.8	14.4	11.1	57.0	96.7	48.1	64.2	65.5
1804	MENS'S & BOYS' SUITS, COATS & OVERCOATS----------(2311)-+												
	MEN'S & BOYS' SHIRTS, COLLARS & NIGHTWEAR----------(2321)-+												
	MEN'S & BOYS' UNDERWEAR----------(2322)-+												
	MEN'S & BOYS' NECKWEAR----------(2323)-+												
	MEN'S & BOYS' SEPARATE TROUSERS-----(2327)-+												
	MEN'S & BOYS' WORK CLOTHING----------(2328)-+												
	MEN'S & BOYS' CLOTHING, N.E.C.------(2329)-+												
	WOMEN'S & JUNIORS' BLOUSES, WAISTS, & SHIRTS----------(2331)-+												
	WOMEN'S & JUNIORS' DRESSES----------(2335)-+												
	WOMEN'S & JUNIORS' SUITS, SKIRTS, & COATS----------(2337)-+												
	WOMEN'S & JUNIORS' OUTERWEAR, N.E.C.----------(2339)-+												
	WOMEN'S, CHILDRENS' & INFANTS' UNDERWEAR & NIGHTWEAR----------(2341)-+												
	CORSETS & ALLIED GARMENTS----------(2342)-+												
	MILLINERY----------(2351)-+												
	HATS & CAPS, EXCEPT MILLINERY-------(2352)-+												
	GIRLS' & INFANTS' DRESSES, BLOUSES, WAISTS & SHIRTS----------(2361)-+												
	GIRLS' & INFANTS' COATS & SUITS-----(2363)-+												
	GIRLS' & INFANTS' OUTERWEAR, N.E.C.-(2369)-+												
	FUR GOODS----------(2371)-+												
	DRESS & WORK GLOVES, EXCEPT KNIT & ALL-LEATHER----------(2381)-+												
	ROBES & DRESSING GOWNS----------(2384)-+												
	RAINCOATS & OTHER WATERPROOF OUTER GARMENTS----------(2385)-+												
	LEATHER & SHEEP LINED CLOTHING------(2386)-+												
	APPAREL BELTS----------(2387)-+												
	APPAREL & ACCESSORIES, N.E.C.-------(2389)-+												
	FURS, DRESSED & DYED (INCLUDED IN SIC 3999 IN 1967)----------(3992)----	26.4	41.5	25.7	42.6	24.6	43.1	23.5	12.0	23.6	24.8	20.5	19.1
1925	COMPLETE GUIDED MISSILES----------(1925)----	1.4	0.2	1.7	0.6	8.3	11.7	17.7	1.9	22.7	28.5	16.2	14.5
1929	AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C.----------(1929)----	1.4	-3.8	1.7	-1.7	8.3	11.1	17.5	1.2	23.3	31.7	16.8	14.8
1931	TANKS & TANK COMPONENTS----------(1931)----	2.9	-15.1	6.6	4.2	5.0	1.1	-0.8	-7.1	27.8	37.1	11.9	11.4
1941	SIGHTING & FIRE CONTROL EQUIP.------(1941)----	1.4	-6.0	1.7	-3.5	8.3	9.8	-5.8	-4.8	-4.1	-5.4	-5.3	-4.8
1951	SMALL ARMS----------(1951)----	24.7	47.2	17.1	30.9	12.0	20.3	24.0	8.3	8.9	34.2	15.7	12.3
1961	SMALL ARMS AMMUNITION----------(1961)----	14.7	22.3	11.5	17.1	9.5	11.8	14.3	8.2	20.6	26.1	17.0	15.6
1990	GUNS, HOWITZERS, MORTARS & RELATED EQUIPMENT----------(1911)-+												
	ORDNANCE & ACCESSORIES, N.E.C.------(1999)----	1.4	-1.7	1.7	-0.2	8.3	11.6	18.0	2.4	22.4	31.9	17.1	15.1
2011	MEAT PACKING PLANTS----------(2011)----	7.0	12.4	5.7	4.9	4.4	2.4	7.8	42.1	21.6	65.1	33.1	32.3
2013	SAUSAGES & OTHER PREPARED MEATS-----(2013)----	7.4	8.7	6.2	7.6	5.3	7.8	5.1	53.6	17.3	78.7	40.4	38.0
2015	POULTRY DRESSING PLANTS----------(2015)----	7.6	8.0	9.0	2.4	6.1	6.3	26.5	51.7	12.7	70.8	35.6	33.8
2021	CREAMERY BUTTER----------(2021)----	7.5	87.1	1.5	-13.4	12.6	271.7	117.3	-24.9	-25.0		15.1	2.4
2022	CHEESE, NATURAL & PROCESSED---------(2022)----	17.7	107.5	16.4	84.3	14.3	65.0	17.0	-24.8	3.0		37.8	18.9
2023	CONDENSED & EVAPORATED MILK---------(2023)----	7.3	20.1	8.2	22.1	8.0	21.4	2.7	-21.7	12.4	143.6	9.5	6.8
2024	ICE CREAM & FROZEN DESERTS----------(2024)----	18.8	59.0	18.8	57.3	18.8	58.1	5.6	43.2	23.5	79.3	35.4	35.5
2026	FLUID MILK----------(2026)----	1.4	-2.0	5.5	12.0	5.7	12.6	11.5	26.4	17.7	78.2	28.9	26.9
2031	CANNED & CURED SEA FOODS------------(2031)----	9.5	21.3	7.4	17.8	6.0	14.8	7.5	58.5	11.2	47.0	31.6	30.8
2032	CANNED SPECIALTIES----------(2032)----	12.8	22.4	8.8	11.2	6.5	6.5	14.3	53.6	31.1	83.8	42.4	43.2
2033	CANNED FRUITS & VEGETABLES----------(2033)----	15.0	40.4	12.5	35.5	11.8	35.9	37.6	37.8	11.5	41.6	23.8	24.2
2034	DEHYDRATED FRUITS & VEGETABLES------(2034)----	13.3	19.2	10.8	15.7	9.6	13.0	19.2	22.1	9.6	35.9	19.0	18.0
2035	PICKLES, SAUCES, & SALAD DRESSINGS----------(2035)----	10.7	16.0	7.6	2.0	5.7	-1.3	13.6	26.4	46.9		67.6	61.2

Table 10.--Effective tariff rates for major trading areas using unweighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE) NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM -- GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		----1965---		----1970---		----PKR----						EEC CAN JAP UK	FOR-EIGN WTD.
		N	E	N	E	N	E	US	EEC	CAN-ADA	JAP-AN		
	1	2	3	4	5	6	7	8	9	10	11	12	13
2036	FRESH OR FROZEN PACKAGED FISH-------(2036)----	3.8	1.0	2.3	-0.5	1.6	-1.0	0.7	59.2	4.2	20.2	25.0	24.0
2037	FROZEN FRUITS & VEGETABLES----------(2037)----	13.5	19.3	10.7	21.7	9.9	21.9	29.5	35.0	9.2	39.1	21.8	24.1
2041	FLOUR & OTHER GRAIN MILL PRODUCTS---(2041)----	5.6	5.6	5.6	14.9	5.4	19.5	20.6	-2.6	43.1		35.8	35.8
2042	PREPARED FEEDS FOR ANIMALS & FOWLS----------(2042)----	3.9	-20.0	2.9	-16.7	2.1	-13.1	-12.3	8.3	-0.5	-16.1	-3.7	-1.5
2043	CEREAL PREPARATIONS----------(2043)----	4.6	3.8	2.8	0.2	2.3	0.8	-1.7	-6.9	51.3	166.2	43.2	35.0
2044	RICE MILLING----------(2044)----	7.5	19.7	7.8	42.0	4.4	8.6	29.6	-7.2	42.9		29.3	29.5
2045	BLENDED & PREPARED FLOUR----------(2045)----	6.2	4.3	6.8	7.4	6.8	10.0	11.5	-2.9	11.7	25.5	4.3	5.5
2046	WET CORN MILLING----------(2046)----	18.0	40.4	12.9	27.3	10.1	20.4	8.9	14.8	16.4	37.0	17.6	18.1
2051	BREAD, CAKE, & RELATED PRODUCTS-----(2051)----	1.2	-4.5	0.8	-5.1	0.6	-4.7	1.8	3.0	12.6	36.2	16.9	14.8
2052	COOKIES & CRACKERS----------(2052)----	5.9	3.1	4.2	0.8	2.8	-0.7	3.7	3.7	11.6	40.3	17.1	14.9
2071	CONFECTIONERY PRODUCTS----------(2071)----	13.3	32.0	11.7	30.6	10.0	25.9	33.0	23.8	18.5	49.1	24.6	24.1
2072	CHOCOLATE & COCOA PRODUCTS----------(2072)----	5.1	5.4	2.6	0.1	1.8	-1.3	-2.6	21.8	4.0	13.1	6.7	9.0
2073	CHEWING GUM----------(2073)----	10.9	14.9	9.2	13.2	2.3	1.1	6.8	8.7	6.5	7.2	5.9	6.6
2082	MALT LIQUORS----------(2082)----	12.2	18.3	7.6	10.5	5.5	7.4	7.4	7.6	16.7	18.4	12.9	13.3
2083	MALT----------(2083)----	2.8	-4.3	2.8	-0.6	2.7	1.3	-1.3	-8.2	60.1	92.3	39.9	30.9
2084	WINES, BRANDY, & BRANDY SPIRITS-----(2084)----	39.2	78.2	27.1	49.9	21.5	37.9	43.6	71.5	28.4	88.1	50.9	50.2
2085	DISTILLED LIQUOR, EXCEPT BRANDY-----(2085)----	35.6	48.1	28.0	37.3	21.9	28.8	23.3	74.2	27.7	80.3	43.9	46.5
2086	BOTTLED & CANNED SOFT DRINKS--------(2086)----	2.0	-4.9	1.2	-7.5	1.0	-6.9	2.4	11.9	12.6	21.4	12.7	12.4
2087	FLAVORING EXTRACTS & SYRUPS, N.E.C.-(2087)----	19.0	37.2	16.3	31.6	14.9	28.6	12.1	29.3	3.3	17.4	12.1	12.6
2091	COTTONSEED OIL MILLS----------(2091)----	4.8	10.4	21.4		3.0	-1.2	-5.7	15.2	34.7	21.2	24.9	22.1
2092	SOYBEAN OIL MILLS----------(2092)----	48.0	139.8	31.9	75.6	20.8	44.6	10.6	13.9	16.4	19.6	15.7	14.7
2093	VEGETABLE OIL MILLS, N.E.C.---------(2093)----	3.8	2.8	3.6	4.0	3.5	5.9	18.8	23.7	28.8	22.8	26.1	24.3
2094	ANIMAL & MARINE FATS & OILS---------(2094)----	6.4	9.3	3.6	4.1	3.1	3.8	8.8	1.7	8.0	4.3	6.3	5.0
2095	ROASTED COFFEE----------(2095)----	0.6	-6.3	1.4	-1.0	0.0	-5.7	-2.6	76.1	19.0	113.2	44.7	45.6
2096	SHORTENING & COOKING OILS----------(2096)----	28.8		28.8		22.9		57.0	92.8	49.2	138.1	61.7	62.1
2097	MANUFACTURED ICE----------(2097)----	0.0	-1.5	0.0	-1.1	0.0	-0.9	0.2	2.2	8.0	2.7	3.9	4.2
2098	MACARONI & SPAGHETTI----------(2098)----	5.3	2.9	3.4	-2.3	2.5	-2.9	-4.0	-8.3	33.0	105.4	32.0	32.4
2099	FOOD PREPARATIONS, N.E.C.----------(2099)----	8.6	12.9	6.2	8.5	5.1	6.9	15.2	30.5	12.3	37.7	22.4	22.3
2100	NAILED WOODEN BOXES & SHOOK---------(2441)-+ WIREBOUND BOXES & CRATES----------(2442)-+ VENEER & PLYWOOD CONTAINERS, EXCEPT + EXCEPT BOXES & CRATES----------(2443)-+ COOPERAGE----------(2445)----	7.3	12.3	4.8	9.0	3.8	7.1	13.2	14.0	21.8	13.7	15.1	15.9
2111	CIGARETTES----------(2111)----	40.8	53.0	40.8	65.4	48.5	75.9	30.5	108.1	57.3		107.8	99.6
2121	CIGARS----------(2121)----	5.9	-7.9	8.4	3.2	3.9	-7.8	27.6	151.4	70.5		118.7	113.0
2131	CHEWING & SMOKING TOBACCO----------(2131)----	17.2	8.5	31.2	53.3	15.0	11.0	28.8	154.9	69.5		124.7	117.7
2141	TOBACCO STEMMING & REDRYING---------(2141)----	40.0	68.7	20.7	8.0	31.4	69.5	84.7	23.8	25.1		148.9	106.9
2201	BROAD WOVEN FABRIC MILLS, COTTON----(2211)-+ BROAD WOVEN FABRIC MILLS, MAN-MADE + FIBER & SILK----------(2221)-+ BROAD WOVEN FABRIC MILLS, WOOL: + INCLUDING DYEING & FINISHING-------(2231)-+ FINISHERS OF BROAD WOVEN FABRICS OF + COTTON----------(2261)-+ FINISHERS OF BROAD WOVEN FABRICS OF + MAN-MADE FIBER & SILK----------(2262)----	23.9	51.6	21.1	45.2	18.9	41.3	34.7	27.3	33.5	19.7	30.0	29.2
2241	NARROW FABRIC MILLS----------(2241)----	23.9	37.8	17.7	26.4	13.2	18.4	15.3	11.2	13.5	11.7	13.8	12.8
2251	WOMEN'S HOSIERY, EXCEPT SOCKS--------(2251)----	30.5	50.9	28.5	51.1	24.5	44.0	48.1	19.8	47.0	18.8	30.0	30.6
2252	HOSIERY, N.E.C.----------(2252)----	30.5	59.8	28.8	61.5	25.0	53.5	38.8	19.8	56.2	24.7	32.5	33.6
2253	KNIT OUTERWEAR MILLS----------(2253)----	30.6	56.5	31.8	66.7	31.3	71.6	36.6	20.3	53.6	26.5	32.3	33.5
2254	KNIT UNDERWEAR MILLS----------(2254)----	27.0	49.8	27.4	50.5	27.4	56.4	62.9	33.9	63.2	32.9	40.7	43.1
2256	KNIT FABRIC MILLS----------(2256)----	26.8	57.9	26.4	73.3	26.0	87.2	32.6	31.5	102.2	36.0	50.2	54.0
2259	KNITTING MILLS, N.E.C.----------(2259)----	21.5	32.0	16.9	23.1	15.2	22.3	38.7	27.1	58.6	21.9	34.5	36.7
2280	FINISHERS OF TEXTILES, N.E.C.--------(2269)-+ YARN SPINNING MILLS----------(2281)-+ YARN THROWING, TWISTING, & WINDING + MILLS----------(2282)-+ YARN MILLS, WOOL, INCLUDING CARPET + & RUG YARN----------(2283)----	20.7	51.2	16.7	38.2	13.9	30.9	23.3	18.4	24.7	20.2	22.8	21.5
2284	THREAD MILLS----------(2284)----	13.6	13.7	16.8	31.6	15.3	31.3	28.6	11.4	7.5	21.8	15.2	12.3
2291	FELT GOODS, N.E.C.----------(2291)----	27.1	135.4	19.8	76.0	15.5	55.6	52.0	19.4	109.1	15.0	39.1	43.7
2292	LACE GOODS----------(2292)----	35.3	63.0	27.2	46.2	22.1	37.2	28.0	20.6	32.1	24.9	26.8	26.2
2293	PADDINGS & UPHOLSTERY FILLING-------(2293)----	20.5	114.6	16.0	56.3	12.6	56.3	27.1	0.5	44.4	-5.2	8.2	13.0
2294	PROCESSED TEXTILE WASTE----------(2294)----	10.8	56.0	7.8	21.0	5.5	14.5	33.1	9.8	6.0	4.0	11.5	9.1
2295	COATED FABRICS, NOT RUBBERIZED------(2295)----	17.2	13.5	14.6	12.8	10.7	4.5	13.6	12.1	42.3	4.6	21.8	22.2
2296	TIRE CORD & FABRIC----------(2296)----	16.8	10.2	16.4	30.7	11.6	15.9	62.1	49.0	77.5	30.2	61.5	61.6
2297	SCOURING & COMBING PLANTS----------(2297)----	14.6	46.1	15.9	58.6	14.0	52.8	60.4	4.2	4.5	-1.6	4.1	3.3
2298	CORDAGE & TWINE----------(2298)----	17.7	43.5	14.3	34.5	12.0	28.2	28.0	25.4	18.1	15.8	26.4	22.9
2299	TEXTILE GOODS, N.E.C.----------(2299)----	15.8	23.1	13.6	20.6	11.5	18.4	18.8	11.1	15.8	9.9	14.4	13.4
2391	CURTAINS & DRAPERIES----------(2391)----	26.8	52.1	21.6	36.5	19.0	31.8	27.3	42.3	59.3	24.1	38.7	43.1
2392	HOUSEFURNISHINGS, N.E.C.----------(2392)----	22.2	45.5	18.5	35.3	15.1	26.1	22.5	19.3	40.2	26.4	27.3	27.9
2393	TEXTILE BAGS----------(2393)----	17.7	40.4	12.8	10.6	10.2	2.9	58.3	72.9	288.6	28.3	76.3	96.8
2394	CANVAS PRODUCTS----------(2394)----	15.3	14.2	12.3	9.8	9.5	5.7	-13.8	-10.7	-12.3	-9.8	-11.8	-11.5
2395	PLEATING & STITCHING----------(2395)----	41.1	70.6	28.0	41.7	19.9	27.1	21.0	17.5	29.0	21.7	23.0	22.8
2396	AUTOMOTIVE & APPAREL TRIMMINGS------(2396)----	18.8	24.5	13.7	13.7	10.9	10.3	16.8	10.2	21.2	15.9	14.1	15.5
2397	SCHIFFLI MACHINE EMBROIDERIES--------(2397)----	40.0	69.7	26.6	40.7	18.9	26.6	20.6	13.9	26.0	26.8	22.5	21.1
2399	FABRICATED TEXTILE PRODUCTS, N.E.C.-(2399)----	24.3	37.6	17.7	24.3	13.8	17.7	24.6	14.9	38.0	23.8	24.5	24.6
2411	LOGGING CAMPS & LOGGING CONTRACTORS----------(2411)----	0.8	-3.7	0.7	-1.9	0.5	-1.6	-9.1	-6.7	0.5	-6.1	-3.8	-3.4
2421	SAWMILLS & PLANING MILLS, GENERAL---(2421)----	1.4	0.8	0.3	-0.5	0.0	-0.9	2.2	6.0	-2.0	3.4	4.0	3.0
2426	HARDWOOD DIMENSION & FLOORING-------(2426)----	10.6	28.4	6.1	15.2	4.5	11.3	19.5	13.6	24.1	32.4	23.1	20.9
2429	SPECIAL PRODUCT SAWMILLS, N.E.C.----(2429)----	4.6	9.6	2.4	5.1	1.7	3.5	9.7	9.4	4.4	8.3	8.1	7.1
2431	MILLWORK----------(2431)----	5.5	7.7	2.6	2.3	1.9	1.6	15.3	11.5	19.3	23.6	17.8	16.6
2432	VENEER & PLYWOOD----------(2432)----	16.7	41.3	12.3	30.6	9.5	23.0	20.7	16.3	21.6	27.7	19.1	19.3
2433	PREFABRICATED WOOD STRUCTURES-------(2433)----	13.4	35.9	9.5	23.3	6.6	15.3	14.3	8.3	17.0	12.5	12.6	12.0
2491	WOOD PRESERVING----------(2491)----	6.4	12.9	4.2	8.9	3.0	6.3	9.1	13.6	13.0	20.3	18.2	15.9
2499	WOOD PRODUCTS, N.E.C.----------(2499)----	14.5	30.8	10.2	21.3	7.8	16.2	17.4	12.3	13.7	19.0	14.6	13.8

Table 10.--Effective tariff rates for major trading areas using unweighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE) NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		1965		1970		PKR							
		N	E	N	E	N	E	US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
2500	FOLDING PAPERBOARD BOXES----------(2651)-+												
	SET-UP PAPERBOARD BOXES----------(2652)-+												
	CORRUGATED & SOLID FIBER BOXES------(2653)-+												
	SANITARY FOOD CONTAINERS----------(2654)-+												
	FIBER CANS, TUBES, DRUMS & SIMILAR + PRODUCTS----------(2655)----	11.3	19.2	8.1	15.2	5.9	11.4	9.0	21.4	11.1	7.2	13.7	14.1
2511	WOOD HOUSEHOLD FURNITURE----------(2511)----	17.1	37.3	14.0	31.2	9.1	18.8	16.9	12.7	29.0	20.2	21.0	20.1
2512	UPHOLSTERED HOUSEHOLD FURNITURE-----(2512)----	26.0	63.2	18.0	38.4	13.0	25.0	12.6	10.6	26.3	21.1	19.0	18.1
2514	METAL HOUSEHOLD FURNITURE----------(2514)----	14.9	29.1	10.3	19.0	7.4	12.3	15.7	10.8	31.0	20.0	20.9	20.0
2515	MATTRESSES & BEDSPRINGS----------(2515)----	18.4	36.2	15.7	33.4	13.8	30.6	13.4	11.3	27.3	22.6	19.9	19.0
2519	HOUSEHOLD FURNITURE, N.E.C.---------(2519)----	13.1	41.6	9.1	27.4	6.4	14.9	41.7	28.9	90.9	58.4	59.9	55.0
2521	WOOD OFFICE FURNITURE----------(2521)----	17.1	37.8	14.0	32.1	9.1	19.0	17.4	13.0	30.5	21.1	21.8	20.9
2522	METAL OFFICE FURNITURE----------(2522)----	14.9	24.1	10.3	16.0	7.4	10.8	14.1	10.7	25.7	17.8	18.3	17.6
2531	PUBLIC BUILDING FURNITURE----------(2531)----	14.9	29.9	10.3	19.7	7.4	13.4	16.7	12.5	32.1	21.4	22.1	21.2
2541	WOOD PARTITIONS & FIXTURES----------(2541)----	9.6	12.9	6.5	8.6	4.6	5.8	14.7	11.6	26.7	18.5	19.4	18.6
2542	METAL PARTITIONS & FIXTURES---------(2542)----	18.4	32.9	12.8	21.5	9.2	14.5	13.8	10.3	25.5	17.3	17.9	17.3
2591	VENETIAN BLINDS & SHADES----------(2591)----	18.4	35.9	12.8	23.0	9.2	15.3	15.1	10.3	26.9	20.0	19.0	18.2
2599	FURNITURE & FIXTURES, N.E.C.---------(2599)----	15.0	26.0	11.3	19.5	7.7	12.3	13.5	11.6	21.1	17.7	17.7	16.7
2605	COMMERCIAL PRINTING, EXCEPT LITHOGRAPHIC----------(2751)-+												
	COMMERCIAL PRINTING, LITHOGRAPHIC---(2752)----	8.1	9.6	5.7	6.6	3.9	4.3	3.2	6.3	15.8	3.0	6.9	8.3
2611	PULP MILLS----------(2611)----	0.0	-6.4	0.0	-4.4	0.0	-3.1	-3.8	-1.0	-5.0	5.1	-0.6	-1.3
2621	PAPER MILLS, EXCEPT BUILDING PAPER----------(2621)----	9.3	18.2	6.9	13.3	5.0	9.3	10.4	22.5	20.3	17.1	23.0	21.1
2631	PAPERBOARD MILLS----------(2631)----	7.1	14.0	3.9	4.8	2.4	2.6	8.7	20.6	23.8	16.3	21.8	20.8
2641	PAPER COATING & GLAZING----------(2641)----	9.6	11.7	7.4	10.0	5.2	6.7	12.6	23.0	20.1	9.6	20.0	19.3
2642	ENVELOPES----------(2642)----	16.0	27.4	10.6	17.0	8.5	14.1	10.3	25.3	27.7	7.7	20.4	21.9
2643	BAGS, EXCEPT TEXTILE BAGS----------(2643)----	14.5	32.2	9.9	20.1	7.1	13.6	38.3	15.5	41.8	59.3	29.9	29.2
2644	WALLPAPER----------(2644)----	10.0	13.4	6.8	8.6	4.9	6.0	5.8	21.2	26.0	6.3	16.1	18.5
2645	DIE CUT PAPER & BOARD----------(2645)----	13.2	23.2	9.1	15.9	6.8	12.0	12.4	18.4	22.7	6.9	18.2	18.1
2646	PRESSED & MOLDED PULP GOODS---------(2646)----	8.7	15.1	6.3	10.4	4.4	7.0	11.0	21.6	9.2	6.2	15.6	13.9
2647	SANITARY PAPER PRODUCTS----------(2647)----	12.2	21.7	8.0	12.3	5.8	8.7	6.2	4.4	1.6	25.8	10.8	7.9
2649	CONVERTED PAPER PRODUCTS, N.E.C.----(2649)----	14.0	23.6	11.3	20.0	9.7	18.1	13.0	16.9	18.5	9.0	16.2	15.9
2661	BUILDING PAPER & BOARD MILLS--------(2661)----	11.3	20.2	12.7	24.4	22.4	52.8	13.7	20.7	29.8	27.7	28.8	25.7
2701	ALKALIES & CHLORINE----------(2812)-+												
	INDUSTRIAL GASES----------(2813)-+												
	CYCLIC INTERMEDIATES, DYES, ORGANIC + PIGMENTS & CYCLIC CRUDES----------(2815)-+												
	INORGANIC PIGMENTS----------(2816)-+												
	INDUSTRIAL ORGANIC CHEMICALS, + N.E.C.----------(2818)-+												
	INDUSTRIAL INORGANIC CHEMICALS, + N.E.C.----------(2819)----	12.9	19.1	9.9	14.6	7.2	10.4	11.0	9.8	9.4	11.7	10.2	9.6
2711	NEWSPAPERS----------(2711)----	0.0	-3.7	0.0	-2.8	0.0	-2.1	-2.3	-3.8	-1.6	-3.5	-3.5	-3.1
2721	PERIODICALS----------(2721)----	1.8	-3.5	0.0	-5.8	0.0	-4.2	-4.4	-7.0	-5.9	-5.8	-6.6	-6.4
2731	BOOK PUBLISHING----------(2731)----	2.4	5.8	0.8	1.2	0.6	0.9	2.6	11.1	30.1	0.6	9.6	13.3
2732	BOOK PRINTING----------(2732)----	1.8	-0.7	0.0	-2.8	0.0	-2.2	-0.4	3.0	13.1	-2.2	2.5	4.6
2741	MISCELLANEOUS PUBLISHING----------(2741)----	3.7	1.3	1.9	-0.5	1.3	-0.4	-0.3	1.5	12.1	-3.0	1.6	3.6
2753	ENGRAVING & PLATE PRINTING----------(2753)----	6.9	8.5	4.4	5.0	4.4	5.7	2.5	3.4	23.6	0.6	6.6	8.9
2761	MANIFOLD BUSINESS FORMS----------(2761)----	13.2	25.6	9.1	16.9	6.8	12.4	13.5	20.5	22.1	9.6	20.3	19.5
2771	GREETING CARD PUBLISHING----------(2771)----	12.6	20.2	8.3	12.1	6.1	8.8	5.6	15.4	35.9	10.1	15.6	19.5
2782	BLANKBOOKS & LOOSELEAF BINDERS------(2782)----	13.2	19.6	9.2	13.2	6.6	9.4	8.8	24.4	20.3	11.7	14.0	17.8
2789	BOOKBINDING & RELATED WORK----------(2789)----	2.8	0.5	0.9	-1.4	0.7	-1.1	-0.7	3.4	11.0	-1.3	2.6	4.2
2791	TYPESETTING----------(2791)----	3.3	2.9	1.6	1.0	1.2	0.8	-0.9	-1.5	-1.4	-1.3	-1.5	-1.4
2793	PHOTOENGRAVING----------(2793)----	9.8	10.5	6.7	7.1	4.8	5.0	6.4	4.6	9.4	5.4	5.5	5.9
2794	ELECTROTYPING & STEREOTYPING--------(2794)----	9.8	14.1	6.7	8.1	4.8	5.6	7.3	5.4	9.8	5.4	6.0	6.3
2821	PLASTICS MATERIALS & RESINS---------(2821)----	18.3	34.3	12.8	22.3	10.7	19.8	14.2	10.5	17.5	13.8	12.5	13.3
2822	SYNTHETIC RUBBER----------(2822)----	8.4	6.7	6.0	4.1	4.2	2.6	11.4	4.9	12.9	6.1	6.8	7.7
2823	CELLULOSIC MAN-MADE FIBERS----------(2823)----	26.3	59.2	21.2	46.0	16.0	33.3	38.8	15.6	11.4	18.1	16.8	14.7
2824	ORGANIC FIBERS, NONCELLULOSIC-------(2824)----	20.7	31.4	14.4	20.8	11.3	16.6	24.7	11.1	9.1	13.6	12.1	10.9
2841	SOAP & OTHER DETERGENTS----------(2841)----	9.3	11.3	8.0	11.4	4.9	5.7	23.1	20.5	10.0	22.0	17.1	15.8
2842	POLISHES & SANITATION GOODS---------(2842)----	6.1	6.4	4.3	4.0	3.1	2.6	16.4	8.0	19.9	19.1	13.5	13.4
2843	SURFACE ACTIVE AGENTS----------(2843)----	15.7	40.8	10.8	25.4	8.0	18.2	28.7	24.6	11.0	24.2	19.5	18.1
2844	TOILET PREPARATIONS----------(2844)----	15.5	55.8	11.3	37.8	8.6	27.6	55.5	25.9	81.3	62.4	44.1	47.3
2851	PAINTS & ALLIED PRODUCTS----------(2851)----	7.8	5.6	5.3	2.8	3.7	1.0	7.0	3.8	18.2	10.7	8.4	9.9
2861	GUM & WOOD CHEMICALS----------(2861)----	4.0	6.3	3.5	7.8	3.5	9.5	11.5	3.1	5.7	12.1	6.9	5.4
2871	FERTILIZERS----------(2871)----	0.0	-13.7	0.0	-10.6	0.0	-8.2	-7.7	-3.3	-7.7	-6.6	-3.1	-4.5
2872	FERTILIZERS, MIXING ONLY----------(2872)----	0.0	-16.5	0.0	-13.2	0.0	-10.2	-10.5	-4.8	-12.5	-13.3	-6.6	-8.1
2879	AGRICULTURAL CHEMICALS, N.E.C.-------(2879)----	6.8	2.1	5.0	1.1	3.3	-0.3	15.9	14.3	11.3	16.7	13.8	12.8
2891	ADHESIVES & GELATIN----------(2891)----	14.1	30.6	9.8	19.4	6.5	10.8	11.2	6.9	10.6	16.4	11.8	10.4
2892	EXPLOSIVES----------(2892)----	8.1	8.2	3.2	0.5	8.2	12.0	6.3	6.9	10.9	10.0	8.9	8.4
2893	PRINTING INK----------(2893)----	2.7	-3.2	1.9	-2.6	1.4	-2.2	2.8	12.2	10.6	16.9	13.5	12.5
2895	CARBON BLACK----------(2895)----	6.8	9.9	1.9	1.0	0.0	-2.3	1.1	-0.7	-4.0	5.8	1.2	-0.3
2899	CHEMICAL PREPARATIONS, N.E.C.--------(2899)----	8.1	9.6	5.9	6.7	4.4	4.9	20.2	16.7	14.4	18.8	16.3	15.4
2901	BIOLOGICAL PRODUCTS----------(2831)-+												
	MEDICINAL CHEMICALS & BOTANICAL + PRODUCTS----------(2833)-+												
	PHARMACEUTICAL PREPARATIONS---------(2834)----	13.5	20.8	9.1	13.5	6.8	9.9	17.5	15.7	10.7	15.5	13.9	13.0
2951	PAVING MIXTURES & BLOCKS----------(2951)----	0.0	-5.6	0.0	-4.5	0.0	-4.4	-3.2	-3.7	11.9	2.6	3.0	3.2
2952	ASPHALT FELTS & COATINGS----------(2952)----	4.7	1.0	1.9	-6.3	0.0	-16.0	4.8	38.0	17.7	6.6	24.0	23.3
3011	TIRES & INNER TUBES----------(3011)----	8.4	9.3	5.7	5.1	4.2	3.8	3.0	11.9	8.5	21.8	14.6	13.1
3021	RUBBER FOOTWEAR----------(3021)----	16.9	21.8	17.2	24.7	16.4	24.6	20.7	26.8	40.2	27.7	28.0	30.4
3031	RECLAIMED RUBBER----------(3031)----	0.0	-5.7	0.0	-5.0	0.0	-3.9	0.4	-0.4	3.3	3.9	3.7	2.6
3069	FABRICATED RUBBER PRODUCTS, N.E.C.---(3069)----	13.2	18.8	8.6	11.2	6.3	7.8	12.0	10.5	14.6	14.0	12.5	12.5
3079	MISCELLANEOUS PLASTICS PRODUCTS-----(3079)----	15.6	18.3	11.3	13.8	7.9	8.1	12.3	9.8	14.4	12.0	12.0	11.8

Table 10.--Effective tariff rates for major trading areas using unweighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE; NOMINAL RATES DIRECTLY FROM TSUSA)						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		----1965---		----1970---		----PKR----							
		N	E	N	E	N	E	US	EEC	CAN-ADA	JAP-AN	EEC CAN JAP UK	FOR-EIGN WTD.
	1	2	3	4	5	6	7	8	9	10	11	12	13
3101	PETROLEUM REFINING----------(2911)-+ LUBRICATING OILS & GREASES----------(2992)-+ PRODUCTS OF PETROLEUM & COAL, N.E.C.----------(2999)----	4.2	9.5	3.9	8.9	4.1	10.1	34.6	33.4	22.7	20.0	25.3	24.5
3111	LEATHER TANNING & FINISHING---------(3111)----	9.3	13.7	6.7	8.4	5.0	5.5	4.7	2.2	28.4	44.0	23.5	19.8
3121	INDUSTRIAL LEATHER BELTING----------(3121)----	9.6	11.4	6.5	7.4	4.6	5.1	7.3	8.6	31.4	21.0	17.5	18.2
3131	FOOTWEAR CUT STOCK----------(3131)----	8.8	8.9	5.5	4.2	3.9	2.2	3.6	11.5	42.0	17.8	19.2	22.2
3141	SHOES, EXCEPT RUBBER----------(3141)----	14.2	21.0	11.7	18.5	9.4	15.1	12.4	16.2	13.7	17.4	16.4	15.9
3142	HOUSE SLIPPERS----------(3142)----	11.3	11.6	11.2	14.7	8.7	10.9	10.1	15.3	13.4	19.5	16.3	15.7
3151	LEATHER GLOVES & MITTENS----------(3151)----	22.6	81.5	28.1	166.7	33.6		120.8	27.6	61.1	15.7	42.5	38.9
3161	LUGGAGE----------(3161)----	30.6	72.2	18.1	34.4	13.8	25.5	18.3	18.3	33.6	21.3	21.9	23.6
3171	WOMEN'S HANDBAGS & PURSES----------(3171)----	23.4	49.4	17.3	33.3	14.2	28.1	16.0	14.4	21.9	22.3	19.3	18.6
3172	PERSONAL LEATHER GOODS----------(3172)----	19.4	32.6	14.7	24.1	11.6	19.0	11.7	11.3	23.8	21.9	18.1	17.7
3199	LEATHER GOODS, N.E.C.----------(3199)----	10.1	12.2	6.4	7.1	5.0	5.7	11.1	15.6	41.4	19.5	22.5	24.2
3221	GLASS CONTAINERS----------(3221)----	11.4	15.4	7.9	10.5	5.6	7.2	9.5	12.9	14.9	9.8	14.0	13.8
3241	CEMENT, HYDRAULIC----------(3241)----	2.9	3.9	1.3	1.5	0.4	0.1	-0.7	6.0	0.4	7.4	5.3	4.5
3251	BRICK & STRUCTURAL CLAY TILE----------(3251)----	18.4	31.7	7.3	11.4	5.3	8.1	8.6	7.0	26.5	6.9	12.6	13.8
3253	CERAMIC WALL & FLOOR TILE----------(3253)----	20.7	32.7	21.1	35.3	21.2	36.7	25.5	8.7	31.2	5.3	14.6	16.2
3255	CLAY REFRACTORIES----------(3255)----	11.7	19.0	7.8	12.5	5.7	8.9	8.5	10.4	5.8	12.2	9.6	8.6
3259	STRUCTURAL CLAY PRODUCTS, N.E.C.----(3259)----	12.9	18.4	8.8	10.9	6.6	9.0	11.5	6.4	28.5	5.6	12.9	14.3
3261	VITREOUS PLUMBING FIXTURES----------(3261)----	25.8	40.7	17.6	26.8	13.2	19.8	28.9	19.3	20.9	9.0	15.8	17.3
3262	VITREOUS CHINA FOOD UTENSILS--------(3262)----	41.4	67.9	33.8	54.3	28.4	44.8	45.0	37.9	21.2	9.7	19.3	23.1
3263	FINE EARTHENWARE FOOD UTENSILS------(3263)----	27.0	48.0	19.6	33.8	16.2	27.9	40.4	16.6	34.4	10.0	18.3	21.0
3264	PORCELAIN ELECTRICAL SUPPLIES--------(3264)----	20.1	25.5	12.9	15.8	9.9	12.1	9.8	8.5	15.7	11.4	12.5	11.8
3269	POTTERY PRODUCTS, N.E.C.----------(3269)----	20.6	30.4	14.8	18.0	11.2	16.4	32.6	23.2	20.0	9.5	16.5	18.1
3271	CONCRETE BLOCK & BRICK----------(3271)----	19.5	47.3	13.1	30.8	9.7	21.8	27.1	6.3	26.8	13.8	13.3	14.3
3272	CONCRETE PRODUCTS, N.E.C.----------(3272)----	18.8	35.7	14.0	26.0	11.2	20.6	21.4	4.5	21.4	10.4	10.3	11.2
3273	READY-MIXED CONCRETE----------(3273)----	9.3	21.0	5.5	12.1	3.4	7.3	-1.5	5.9	-0.3	7.3	5.0	4.2
3274	LIME----------(3274)----	5.7	8.6	3.3	4.8	1.8	2.3	3.8	1.4	13.8	-2.2	4.0	5.1
3275	GYPSUM PRODUCTS----------(3275)----	10.7	15.9	63.6		2.6	3.0	0.4	2.2	16.9	7.5	8.3	8.8
3281	CUT STONE & STONE PRODUCTS----------(3281)----	17.0	31.1	11.6	20.4	8.4	12.8	10.2	6.1	6.9	11.9	9.3	7.8
3291	ABRASIVE PRODUCTS----------(3291)----	6.5	8.3	4.6	5.7	3.1	3.3	5.8	6.7	9.5	9.6	8.7	8.0
3292	ASBESTOS PRODUCTS----------(3292)----	5.4	2.1	3.6	0.9	2.7	0.5	9.6	11.0	16.1	15.6	13.7	13.5
3293	GASKETS & INSULATIONS----------(3293)----	6.0	6.0	4.0	3.8	2.9	2.6	9.4	9.9	12.5	13.3	11.6	11.2
3295	MINERALS, GROUND OR TREATED---------(3295)----	11.2	28.2	3.4	-1.0	4.9	7.6	0.3	-10.9	13.9	-14.7	-6.0	-3.7
3296	MINERAL WOOL----------(3296)----	15.1	18.9	7.5	8.9	5.5	6.7	17.4	13.4	28.0	13.1	15.7	17.6
3297	NONCLAY REFRACTORIES----------(3297)----	13.2	24.6	8.3	15.3	6.6	12.1	9.8	12.6	5.1	15.9	11.2	9.8
3299	NONMETALLIC MINERAL PRODUCTS, N.E.C.----------(3299)----	12.6	24.6	9.1	-5.3	6.8	15.8	9.1	8.6	8.8	9.8	8.8	8.2
3312	BLAST FURNACES & STEEL MILLS--------(3312)----	7.2	10.4	6.2	9.3	5.8	8.9	13.2	12.6	9.3	15.8	12.8	11.5
3313	ELECTROMETALLURGICAL PRODUCTS-------(3313)----	11.0	23.6	6.8	13.0	4.3	6.6	8.3	9.9	12.6	14.1	11.5	10.9
3315	STEEL WIRE & RELATED PRODUCTS--------(3315)----	7.7	10.3	4.3	3.1	3.8	2.5	4.7	7.2	29.0	10.7	15.2	16.1
3316	COLD FINISHING OF STEEL SHAPES------(3316)----	9.5	10.7	9.1	20.1	8.6	19.5	11.6	7.0	3.1	16.4	9.8	8.0
3317	STEEL PIPE & TUBES----------(3317)----	7.8	11.2	7.6	12.4	7.6	13.4	12.3	17.1	-1.2	11.3	16.3	11.7
3331	PRIMARY COPPER----------(3331)----	3.7	4.7	2.5	4.6	2.7	-0.1	7.4	-0.3	0.8	7.8	3.5	2.0
3332	PRIMARY LEAD----------(3332)----	1.2	-7.2	2.7	-1.6	3.6	1.5	11.2	7.5	21.3	11.4	10.8	12.0
3333	PRIMARY ZINC----------(3333)----	8.7	21.7	7.8	20.0	8.8	23.9	22.0	12.7	9.5	15.0	11.9	10.9
3334	PRIMARY ALUMINUM----------(3334)----	5.5	8.0	3.4	4.6	3.6	5.3	6.2	5.2	0.1	11.0	4.7	4.4
3339	PRIMARY NONFERROUS METALS, N.E.C.---(3339)----	8.8	17.7	5.6	10.4	5.8	11.6	13.0	7.7	8.2	15.3	9.8	9.0
3341	SECONDARY NONFERROUS METALS---------(3341)----	9.6	32.9	5.9	8.9	6.2	13.9	13.4	8.5	12.3	16.7	11.9	10.9
3351	COPPER ROLLING & DRAWING----------(3351)----	10.7	38.1	7.9	26.3	6.0	17.0	22.2	36.6	21.5	83.8	43.4	36.1
3352	ALUMINUM ROLLING & DRAWING----------(3352)----	12.0	29.7	8.1	19.3	7.7	17.8	16.1	31.3	19.8	40.3	28.2	26.4
3356	NONFERROUS ROLLING & DRAWING, N.E.C.----------(3356)----	13.8	20.4	9.6	14.1	7.3	9.7	13.0	8.3	5.2	14.3	9.4	7.9
3357	NONFERROUS WIRE, DRAWING & INSULATING----------(3357)----	14.1	29.0	6.6	7.8	6.3	9.2	9.4	25.1	29.4	36.6	25.2	25.9
3361	ALUMINUM CASTINGS----------(3361)----	13.8	32.8	10.0	22.7	7.5	14.9	19.5	13.1	19.3	13.8	14.6	15.1
3362	BRASS, BRONZE, & COPPER CASTINGS----(3362)----	12.1	28.2	8.9	19.1	6.6	13.0	25.1	16.8	36.9	42.3	28.8	28.0
3369	NONFERROUS CASTINGS, N.E.C.----------(3369)----	11.9	21.5	9.0	15.1	6.5	8.7	9.0	11.7	31.3	24.6	20.9	20.6
3391	IRON & STEEL FORGINGS----------(3391)----	4.9	3.7	3.2	0.9	3.6	2.4	6.7	8.7	16.9	9.8	14.2	12.7
3392	NONFERROUS FORGINGS----------(3392)----	9.0	11.1	6.8	9.0	6.4	9.5	2.0	-4.2	-2.8	-1.6	-2.6	-2.9
3399	PRIMARY METAL PRODUCTS, N.E.C.------(3399)----	8.5	10.9	7.8	10.8	6.1	8.2	9.5	8.4	8.7	12.6	10.5	9.1
3411	METAL CANS----------(3411)----	13.5	31.2	9.3	18.6	6.9	11.8	5.7	12.1	36.9	11.4	18.5	20.2
3421	CUTLERY----------(3421)----	31.9	92.8	22.9	60.8	17.6	43.6	38.6	17.3	29.7	17.6	23.9	22.2
3423	HAND & EDGE TOOLS, N.E.C.----------(3423)----	13.0	17.5	9.2	11.9	6.8	8.3	10.6	8.5	16.6	10.1	12.4	11.9
3425	HAND SAWS & SAW BLADES----------(3425)----	11.5	17.2	7.8	10.9	5.8	7.6	7.2	11.1	15.8	11.2	12.9	12.8
3429	HARDWARE, N.E.C.----------(3429)----	20.7	34.8	13.2	20.4	9.8	14.4	21.2	11.1	12.8	22.5	15.0	13.8
3431	METAL SANITARY WARE----------(3431)----	25.6	56.7	17.6	35.4	13.0	24.6	23.5	8.3	16.3	36.9	19.0	16.5
3432	PLUMBING FITTINGS & BRASS GOODS-----(3432)----	15.2	35.9	10.6	23.8	7.5	14.8	19.9	11.9	53.6	11.4	23.8	24.7
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC--(3433)----	12.2	17.9	8.4	11.5	6.1	7.5	7.0	7.4	15.6	9.1	11.3	11.0
3441	FABRICATED STRUCTURAL STEEL---------(3441)----	10.7	18.6	7.5	11.3	6.7	9.8	10.8	8.7	10.9	11.6	11.3	10.4
3442	METAL DOORS, SASH, & TRIM----------(3442)----	10.7	13.2	8.0	10.5	7.1	9.6	9.8	6.7	7.4	13.0	10.3	8.9
3443	FABRICATED PLATE WORK (BOILER SHOPS)----------(3443)----	10.9	19.0	8.0	13.1	6.5	10.0	5.6	2.7	8.6	10.4	7.1	6.6
3444	SHEET METALWORK----------(3444)----	11.7	18.8	7.2	9.9	5.8	7.3	10.7	7.3	6.4	8.3	9.5	8.0
3446	ARCHITECTURAL METALWORK----------(3446)----	11.7	17.1	7.2	9.3	5.8	7.1	10.3	7.4	6.2	8.9	9.3	8.0
3449	MISCELLANEOUS METALWORK----------(3449)----	11.7	21.4	7.2	10.4	5.8	7.4	10.8	7.5	6.4	8.6	9.9	8.4
3461	METAL STAMPINGS----------(3461)----	7.3	7.6	4.7	3.7	3.5	1.9	3.0	20.5	6.4	17.4	15.6	14.4
3471	PLATING & POLISHING----------(3471)----	8.5	10.7	8.7	12.2	7.8	11.0	10.4	9.2	6.2	14.1	10.7	9.1
3479	METAL COATING & ALLIED SERVICES-----(3479)----	8.5	12.7	8.7	14.2	7.8	13.1	10.4	9.5	4.7	15.1	10.9	8.9
3481	MISCELLANEOUS FABRICATED WIRE PRODUCTS----------(3481)----	13.9	25.0	9.3	14.5	6.8	9.2	8.3	10.8	24.3	15.6	18.0	17.1
3491	METAL BARRELS, DRUMS, & PAILS-------(3491)----	13.5	34.6	9.3	20.6	6.9	13.2	6.0	12.4	39.1	11.0	19.0	20.9
3492	SAFES & VAULTS----------(3492)----	17.5	30.1	12.3	20.5	9.0	13.8	13.8	12.5	34.6	13.5	17.0	19.5
3493	STEEL SPRINGS----------(3493)----	10.0	15.2	4.0	2.5	2.9	0.7	7.3	10.1	26.8	14.8	17.3	17.1
3496	COLLAPSIBLE TUBES----------(3496)----	11.1	23.2	7.5	14.5	5.7	10.2	6.3	14.5	33.0	13.3	19.7	20.5
3497	METAL FOIL & LEAF----------(3497)----	55.3	912.3	9.1	14.8	5.6	5.8	15.1	1.8	3.7	12.9	6.9	4.9
3499	FABRICATED METAL PRODUCTS, N.E.C.---(3499)----	12.0	17.7	9.1	13.1	6.7	8.8	9.8	8.1	16.5	13.6	12.9	12.3

Table 10.--Effective tariff rates for major trading areas using unweighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	U.S. TARIFFS (PERCENT) (N=NOMINAL, E=EFFECTIVE) NOMINAL RATES DIRECTLY FROM TSUSA						EFFECTIVE TARIFF RATES DERIVED FROM GATT NOMINAL TARIFF AVERAGES (PERCENT)					
		1965		1970		PKR							
		N	E	N	E	N	E	US	EEC	CANADA	JAPAN	EEC CAN JAP UK	FOREIGN WTD.
1		2	3	4	5	6	7	8	9	10	11	12	13
3501	FLAT GLASS----------(3211)-+ PRESSED & BLOWN GLASS & GLASSWARE, N.E.C.----------(3229)-+ GLASS PRODUCTS, MADE OF PURCHASED GLASS----------(3231)----	21.2	33.9	14.3	21.7	10.9	16.7	19.7	11.5	12.4	12.7	13.2	12.3
3511	STEAM ENGINES & TURBINES----------(3511)----	14.9	22.8	10.0	32.0	6.8	8.1	8.2	6.1	10.1	14.3	10.4	9.3
3519	INTERNAL COMBUSTION ENGINES, N.E.C.----------(3519)----	7.1	6.8	4.0	2.1	2.9	0.8	3.6	8.3	3.3	23.6	12.4	9.5
3522	FARM MACHINERY----------(3522)----	2.1	-6.0	1.4	-5.0	0.9	-4.9	-1.0	14.9	4.6	15.8	12.0	10.6
3531	CONSTRUCTION MACHINERY----------(3531)----	10.8	15.3	7.4	9.3	5.4	5.5	4.3	9.1	11.7	9.0	9.8	9.8
3532	MINING MACHINERY----------(3532)----	12.0	15.9	8.6	10.8	6.2	6.7	4.9	6.5	8.0	7.8	7.8	7.3
3533	OIL FIELD MACHINERY----------(3533)----	18.6	28.9	11.1	16.8	7.9	10.3	7.3	7.1	8.1	8.3	8.4	7.9
3534	ELEVATORS & MOVING STAIRWAYS----------(3534)----	10.0	13.1	6.8	8.4	4.8	5.3	-0.3	7.5	3.9	8.3	8.2	6.8
3535	CONVEYERS & CONVEYING EQUIPMENT----------(3535)----	10.1	11.7	6.8	7.1	4.8	4.2	-1.2	7.1	3.4	7.9	7.7	6.3
3536	HOISTS, CRANES, & MONORAILS----------(3536)----	5.1	1.0	4.5	1.6	3.2	-0.1	-2.9	7.0	1.1	7.1	6.8	5.3
3537	INDUSTRIAL TRUCKS & TRACTORS----------(3537)----	7.6	8.4	6.6	8.3	4.5	5.5	3.3	10.7	17.2	13.4	13.0	13.2
3541	MACHINE TOOLS, METAL CUTTING TYPES--(3541)----	13.6	19.9	9.2	11.8	6.6	7.7	7.2	4.3	19.7	12.9	12.5	11.6
3542	MACHINE TOOLS, METAL FORMING TYPES--(3542)----	13.4	19.4	9.6	12.8	7.1	8.7	7.2	4.4	19.6	13.3	12.7	11.9
3548	METALWORKING MACHINERY, N.E.C.----------(3548)----	12.4	16.7	8.4	10.2	6.1	6.7	7.0	7.0	18.1	9.4	10.8	11.1
3551	FOOD PRODUCTS MACHINERY----------(3551)----	10.2	12.5	7.0	8.0	5.0	5.2	3.5	6.8	16.9	8.2	10.5	10.7
3552	TEXTILE MACHINERY----------(3552)----	14.8	23.9	9.9	14.5	7.0	9.3	8.5	5.9	4.5	8.8	7.5	6.3
3553	WOODWORKING MACHINERY----------(3553)----	8.9	11.3	6.1	7.2	5.0	5.8	6.4	7.2	22.2	6.9	12.1	12.4
3554	PAPER INDUSTRIES MACHINERY----------(3554)----	10.7	15.1	7.2	6.6	5.4	6.0	6.5	5.5	9.5	8.4	8.1	7.5
3555	PRINTING TRADES MACHINERY----------(3555)----	10.2	12.4	8.9	11.2	4.9	4.8	9.8	6.5	9.2	14.2	9.5	8.7
3559	SPECIAL INDUSTRY MACHINERY, N.E.C.--(3559)----	6.8	5.8	4.5	2.8	3.4	1.7	4.7	6.9	10.6	8.8	9.2	8.6
3561	PUMPS & COMPRESSORS----------(3561)----	8.2	7.6	4.6	2.3	3.3	0.9	2.7	7.2	12.2	12.6	10.1	9.9
3562	BALL & ROLLER BEARINGS----------(3562)----	12.6	18.2	9.0	12.1	6.6	8.1	9.0	11.9	3.0	17.1	10.6	9.2
3564	BLOWERS & FANS----------(3564)----	6.7	5.0	4.6	2.9	3.4	1.7	4.6	6.9	8.6	19.5	11.8	10.1
3565	INDUSTRIAL PATTERNS----------(3565)----	10.2	12.3	6.5	7.6	5.8	6.9	9.8	6.0	3.7	14.1	8.6	6.9
3566	POWER TRANSMISSION EQUIPMENT----------(3566)----	18.6	30.8	12.1	18.1	9.0	12.5	8.6	8.1	6.5	7.9	8.9	7.9
3567	INDUSTRIAL FURNACES & OVENS----------(3567)----	12.9	17.2	8.5	10.1	6.3	6.9	7.4	6.0	14.3	10.8	9.9	10.1
3569	GENERAL INDUSTRIAL MACHINERY, N.E.C.----------(3569)----	9.8	11.4	5.7	5.3	4.2	3.5	5.3	5.6	10.1	6.1	8.6	7.9
3571	ELECTRONIC COMPUTING EQUIPMENT------(3573)-+ CALCULATING & ACCOUNTING MACHINES, EXCEPT ELECTRONIC COMPUTING EQUIPMENT----------(3574)----	11.3	12.8	7.5	8.4	5.3	5.8	6.4	7.5	12.8	13.8	10.9	10.4
3572	TYPEWRITERS----------(3572)----	5.9	6.0	4.1	4.0	2.9	2.7	6.7	7.0	11.3	11.8	9.7	9.3
3576	SCALES & BALANCES----------(3576)----	9.0	11.6	6.3	7.4	4.5	4.7	7.2	6.3	11.5	7.8	11.3	9.5
3579	OFFICE MACHINES, N.E.C.----------(3579)----	11.3	14.9	7.7	9.7	5.6	6.7	12.8	8.2	18.7	9.0	11.0	11.5
3581	AUTOMATIC MERCHANDISING MACHINES----(3581)----	11.1	15.3	7.7	10.2	5.3	6.1	-7.9	-7.5	-10.0	-10.2	-9.2	-8.9
3582	COMMERCIAL LAUNDRY EQUIPMENT--------(3582)----	11.9	17.4	9.0	13.5	6.4	8.9	12.0	6.3	16.7	7.7	9.4	10.2
3585	REFRIGERATION MACHINERY----------(3585)----	8.3	7.1	4.6	1.7	3.3	0.5	2.9	6.0	21.4	18.8	13.3	13.6
3586	MEASURING & DISPENSING PUMPS--------(3586)----	9.5	14.1	6.8	10.2	4.8	5.8	0.7	6.1	10.7	14.0	9.7	9.3
3589	SERVICE INDUSTRY MACHINES, N.E.C.---(3589)----	10.9	13.1	7.9	9.2	5.6	6.0	5.8	7.9	12.3	7.8	9.6	9.4
3599	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL----------(3599)----	4.7	3.7	2.9	1.8	2.7	1.5	5.5	9.1	4.5	12.5	9.7	8.1
3611	ELECTRIC MEASURING INSTRUMENTS------(3611)----	26.2	43.2	16.7	26.2	11.8	17.7	12.0	8.5	21.5	10.9	14.6	14.0
3612	TRANSFORMERS----------(3612)----	10.7	14.0	7.3	9.1	5.8	6.7	17.6	10.4	6.7	12.1	12.3	10.1
3613	SWITCHGEAR & SWITCHBOARD APPARATUS--(3613)----	15.5	22.5	11.5	16.7	8.2	11.2	6.2	7.8	8.9	7.3	10.2	9.1
3621	MOTORS & GENERATORS----------(3621)----	14.8	21.6	11.1	16.3	8.5	11.6	16.2	6.5	9.0	12.0	9.2	8.5
3622	INDUSTRIAL CONTROLS----------(3622)----	10.5	11.6	9.2	10.7	6.8	7.7	10.5	7.6	20.6	10.2	13.2	13.0
3623	WELDING APPARATUS----------(3623)----	8.7	8.9	5.9	5.5	4.3	3.6	0.8	9.3	11.5	10.6	9.9	9.8
3624	CARBON & GRAPHITE PRODUCTS----------(3624)----	8.4	9.4	5.6	5.8	4.2	4.2	8.2	8.4	15.8	8.6	12.0	10.9
3629	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.----------(3629)----	9.6	10.0	9.1	11.7	7.4	9.6	13.8	6.5	21.6	10.2	13.0	12.9
3631	HOUSEHOLD COOKING EQUIPMENT---------(3631)----	12.1	16.2	8.2	10.2	6.0	6.6	8.4	12.8	27.2	14.1	16.1	17.5
3632	HOUSEHOLD REFRIGERATORS & FREEZERS----------(3632)----	9.8	11.6	6.8	7.8	4.8	4.6	2.2	3.2	25.8	15.3	12.5	13.7
3633	HOUSEHOLD LAUNDRY EQUIPMENT---------(3633)----	13.5	23.9	9.2	14.6	6.8	9.8	12.4	5.5	19.3	6.5	9.2	10.4
3634	ELECTRIC HOUSEWARES & FANS----------(3634)----	13.3	26.7	9.2	18.0	6.3	10.3	14.3	7.5	3.5	8.9	8.5	6.7
3635	HOUSEHOLD VACUUM CLEANERS----------(3635)----	13.3	18.3	9.2	12.7	6.3	8.0	8.4	9.0	25.4	7.3	12.2	13.9
3636	SEWING MACHINES----------(3636)----	11.5	16.4	8.0	11.0	5.7	7.6	9.0	10.9	14.3	10.0	13.4	12.2
3639	HOUSEHOLD APPLIANCES, N.E.C.---------(3639)----	12.3	16.7	8.7	11.1	6.2	7.0	7.1	8.2	21.2	10.3	12.4	13.0
3641	ELECTRIC LAMPS----------(3641)----	7.4	6.3	6.5	6.4	5.0	4.8	10.7	7.4	21.2	11.0	13.5	13.2
3642	LIGHTING FIXTURES----------(3642)----	15.6	30.2	13.9	29.3	12.4	27.3	26.6	12.5	7.7	14.3	13.5	11.6
3651	RADIO & TELEVISION RECEIVING SETS---(3651)----	8.9	7.3	6.5	4.8	6.0	6.7	6.1	12.6	5.4	13.7	12.3	10.8
3652	PHONOGRAPH RECORDS----------(3652)----	4.1	-0.8	2.6	-1.2	1.7	-1.9	8.0	10.3	10.1	15.2	10.8	10.3
3661	TELEPHONE & TELEGRAPH APPARATUS-----(3661)----	10.9	12.2	7.3	8.1	5.4	5.8	8.7	7.9	15.4	8.9	10.1	10.4
3662	RADIO & TELEVISION COMMUNICATION EQUIPMENT----------(3662)----	5.6	2.9	5.9	5.5	4.8	4.6	7.4	9.8	8.1	11.9	11.1	9.9
3674	SEMICONDUCTORS----------(3674)----	13.2	17.8	8.6	11.0	6.2	7.6	15.4	10.6	7.5	15.9	11.8	10.5
3679	ELECTRONIC COMPONENTS, N.E.C.--------(3679)----	12.0	16.3	7.7	9.8	6.0	7.5	10.9	10.1	6.2	12.3	10.4	9.2
3691	STORAGE BATTERIES----------(3691)----	10.2	16.2	4.4	3.5	4.0	3.3	11.0	11.0	4.3	15.1	10.2	9.1
3692	PRIMARY BATTERIES, DRY & WET---------(3692)----	16.8	21.9	11.6	14.8	8.2	10.3	10.4	28.5	3.4	8.7	14.0	14.2
3693	X-RAY APPARATUS & TUBES----------(3693)----	5.6	3.6	3.8	2.3	2.7	1.3	9.8	6.8	6.6	11.0	10.7	8.8
3694	ENGINE ELECTRICAL EQUIPMENT---------(3694)----	6.1	3.7	3.9	1.8	2.9	0.9	5.4	3.4	6.4	14.3	10.5	10.1
3699	ELECTRICAL EQUIPMENT, N.E.C.---------(3699)----	9.0	8.2	7.4	9.2	6.2	7.5	13.2	8.2	21.7	11.9	13.9	13.9
3702	GRAY IRON FOUNDRIES----------(3321)-+ MALLEABLE IRON FOUNDRIES----------(3322)-+ STEEL FOUNDRIES----------(3323)----	9.0	12.8	7.5	10.4	6.5	9.1	9.7	10.1	13.2	11.3	13.7	12.3
3713	TRUCK & BUS BODIES----------(3713)----	4.2	0.5	2.5	-1.0	1.7	-1.7	1.4	28.7	-0.8	24.4	17.9	15.3
3715	TRUCK TRAILERS----------(3715)----	5.9	4.5	7.9	13.1	8.0	15.0	10.0	7.6	12.5	5.5	11.4	9.6
3717	MOTOR VEHICLES----------(3711)-+ MOTOR VEHICLE PARTS & ACCESSORIES---(3714)----	6.3	7.8	2.9	-0.4	2.0	-1.3	2.9	19.8	2.3	20.4	14.7	12.7
3721	AIRCRAFT----------(3721)----	8.0	10.2	6.1	7.3	4.5	5.0	6.7	11.3	-1.0	20.7	10.6	7.7
3722	AIRCRAFT ENGINES & ENGINE PARTS-----(3722)----	8.0	10.7	5.0	5.7	4.5	5.0	4.3	9.2	5.0	23.9	13.5	10.7
3723	AIRCRAFT PROPELLERS & PARTS---------(3723)----	2.3	-1.0	2.9	2.2	5.0	6.5	8.8	7.7	4.1	23.7	10.5	8.3

Table 11.--Rank correlations, ranks, and summary statistics for the variables in table 10

VARIABLE	(NO)	(FOR 378 OBSERVATIONS)
USUT65	(2)	
EP65U	(3)	
USUT70	(4)	
EP70U	(5)	
USUTPK	(6)	
EPPKU	(7)	
GUEPUS	(8)	
GUEPEEC	(9)	
GUEPCAN	(10)	
GUEPJAP	(11)	
GUEPECJU	(12)	
GUEPACTY	(13)	

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
(2)	******	0.931	0.925	0.855	0.864	0.794	0.655	0.418	0.424	0.264	0.432	0.447
(3)	49.544	******	0.855	0.870	0.817	0.843	0.684	0.395	0.403	0.304	0.444	0.440
(4)	47.100	31.929	******	0.937	0.905	0.838	0.668	0.423	0.430	0.305	0.459	0.467
(5)	31.953	34.183	52.213	******	0.849	0.881	0.689	0.403	0.415	0.322	0.462	0.463
(6)	33.251	27.494	41.307	31.155	******	0.935	0.710	0.381	0.382	0.342	0.450	0.435
(7)	25.330	30.397	29.774	36.030	51.329	******	0.744	0.368	0.354	0.353	0.447	0.425
(8)	16.829	18.205	17.405	18.451	19.533	21.578	******	0.513	0.465	0.451	0.590	0.567
(9)	8.921	8.349	9.059	8.549	7.999	7.668	11.593	******	0.453	0.488	0.750	0.755
(10)	9.076	8.528	9.243	8.836	8.012	7.346	10.190	9.851	******	0.436	0.767	0.841
(11)	5.304	6.193	6.219	6.584	7.056	7.308	9.809	10.851	9.402	******	0.752	0.687
(12)	9.292	9.606	10.031	10.091	9.764	9.682	14.171	21.957	23.199	22.128	******	0.978
(13)	9.697	9.509	10.233	10.133	9.367	9.106	13.354	22.314	30.125	18.351	91.536	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 376

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
101	21.0	8.5	17.5	8.0	28.5	15.0	373.0	370.0	372.0	4.0	345.0	356.0
102	107.0	249.0	256.5	368.0	160.5	319.5	351.0	53.0	310.0	286.0	265.0	234.5
103	77.0	75.0	119.0	161.0	129.5	176.5	116.0	40.0	29.5	30.0	24.0	23.0
201	49.0	83.0	88.5	135.0	110.5	193.0	252.5	26.0	22.0	26.0	22.0	19.0
202	93.0	135.0	95.5	138.5	104.5	153.0	222.0	62.0	56.5	153.5	50.5	50.5
203	367.0	357.0	358.0	352.0	371.0	361.0	378.0	351.0	333.0			
204	110.0	120.5	107.0	121.0	152.5	168.5	237.5	277.5	52.5	277.0	145.5	153.0
205	173.0	173.0	200.0	202.0	243.5	235.0	124.5	80.0	32.0	112.5	44.0	46.0
206	56.5	78.5	72.5	99.0	45.5	78.5	285.5	35.0	72.0	70.0	43.0	38.5
207	50.0	64.5	52.0	75.0	43.5	73.5	100.0	177.0	90.0	59.0	68.0	80.0
300	35.0	41.0	30.0	37.0	23.5	34.5	224.5	256.0	93.0	188.0	130.0	128.0
500	40.0	60.5	19.5	44.5	41.5	67.5	39.0	27.0	67.0	18.0	17.0	20.0
601	20.0	32.0	6.0	20.0	195.5	176.5	41.0	25.0	43.0	28.0	20.0	21.0
602	32.0	46.0	24.5	42.5	26.5	43.5	46.5	29.0	58.5	23.0	19.0	22.0
700	5.0	24.5	6.0	24.0	7.5	23.0	20.0	36.5	14.5	22.0	15.0	16.0
800	25.5	47.0	36.0	69.0	37.5	75.0	60.0	38.0	49.5	212.0	41.5	41.5
900	52.0	60.5	35.0	49.0	26.5	39.0	87.0	48.5	86.0	34.0	36.0	34.0
1000	82.0	89.0	69.5	87.0	65.0	78.5	48.5	44.5	43.0	29.0	25.0	25.0
1419	58.5	43.0	77.5	68.0	104.5	88.0	168.0	17.0	334.0	371.0	367.0	357.0
1701	314.5	331.0	307.0	299.0	307.0	267.0	192.5	367.0	375.0	348.0	371.0	372.0
1804	342.0	316.0	357.0	348.0	369.0	356.0	313.0	234.5	275.5	308.0	293.0	279.0
1925	16.5	34.0	27.5	42.5	257.0	229.5	278.0	46.0	270.0	320.0	233.5	220.0
1929	16.5	19.0	27.5	22.0	257.0	223.0	275.5	39.0	272.5	324.0	242.5	224.0
1931	35.0	3.0	129.0	64.5	124.0	52.5	25.0	11.0	301.0	338.0	145.5	151.0
1941	16.5	11.5	27.5	15.0	257.0	202.0	8.0	15.5	9.0	11.0	7.0	6.0
1951	335.0	324.0	321.0	312.0	310.5	300.5	316.0	150.0	111.5	329.0	227.0	182.0
1961	256.0	232.5	267.5	245.0	278.0	232.5	245.0	144.5	240.5	312.0	246.5	237.0
1990	16.5	26.0	27.5	36.0	257.0	227.5	280.5	51.0	267.0	325.0	250.0	228.5
2011	91.0	141.5	102.5	92.0	95.0	65.5	126.0	359.0	259.0	352.0	346.0	344.0
2013	99.5	98.0	116.0	115.5	133.5	166.0	76.0	365.5	213.0	356.0	355.0	354.0
2015	103.5	89.0	212.5	65.0	175.0	127.5	324.0	364.0	168.0	353.0	349.0	348.0
2021	101.5	366.0	23.0	2.0	313.5	376.0	376.0	1.0	1.0		218.5	26.0
2022	294.0	371.0	315.0	372.0	332.0	370.0	269.0	2.0	35.5		351.0	276.0
2023	97.0	214.0	189.5	279.0	247.5	304.0	51.5	3.0	161.5	366.0	86.0	59.5
2024	307.5	349.0	338.0	360.0	354.0	369.0	81.0	361.0	274.0	357.0	348.0	350.0
2026	16.5	24.5	95.5	191.5	152.5	244.0	199.5	337.5	216.0	355.0	334.0	332.0
2031	143.0	222.0	155.0	247.0	170.0	264.5	124.5	368.0	144.0	347.0	340.0	342.0
2032	216.0	234.0	207.0	182.0	195.5	129.5	245.0	365.5	321.0	359.5	357.0	361.0
2033	264.0	310.0	278.5	330.0	307.0	349.0	350.0	356.0	149.0	344.0	314.5	321.5
2034	230.5	207.5	253.5	235.0	280.0	247.5	285.5	321.0	126.5	331.0	276.0	265.0
2035	168.0	172.0	164.5	59.0	152.5	25.0	233.0	337.5	356.0		372.0	369.0
2036	42.5	39.0	37.0	33.0	28.5	29.0	35.5	369.0	54.5	272.0	323.0	319.0

Table 11.--Rank correlations, ranks, and summary statistics for the variables in table 10--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2037	238.5	209.0	251.0	277.5	286.5	307.0	338.0	354.0	117.0	340.0	300.0	314.5
2041	67.0	67.5	99.0	229.0	138.5	296.5	293.5	24.0	353.0	.	350.0	351.0
2042	44.0	1.0	49.0	1.0	37.5	2.0	2.0	150.0	23.0	1.0	9.0	13.0
2043	52.0	57.0	45.5	39.0	39.5	46.0	18.0	13.0	359.0	367.0	359.0	349.0
2044	101.5	212.0	173.5	347.0	95.0	178.5	339.0	10.0	352.0	.	336.0	337.0
2045	79.0	59.0	137.5	113.0	214.5	206.0	199.5	22.0	152.5	310.0	37.0	49.0
2046	296.0	310.0	286.0	300.0	289.0	302.0	145.0	271.0	201.5	337.0	256.5	268.0
2051	12.5	16.0	14.5	10.0	17.5	9.0	42.0	54.5	166.0	334.0	244.0	224.0
2052	72.0	52.0	74.5	44.5	53.0	32.0	64.0	63.0	151.0	342.5	250.0	226.0
2071	230.5	282.5	272.5	307.5	288.0	323.0	345.0	328.0	223.5	349.0	319.0	320.0
2072	60.5	66.0	42.0	38.0	33.5	25.0	15.5	320.0	51.0	175.0	52.0	97.5
2073	176.5	162.5	227.5	208.5	39.5	52.5	104.5	163.5	83.5	62.5	45.0	56.5
2082	206.0	194.0	164.5	169.0	143.5	153.0	121.0	130.5	206.5	248.0	174.5	197.0
2083	32.0	17.0	45.5	31.0	49.5	54.5	21.0	8.0	366.0	362.0	354.0	343.0
2084	370.0	364.0	362.0	353.0	363.0	353.0	362.0	371.0	305.5	361.0	366.0	366.0
2085	368.0	328.0	366.5	337.0	364.0	340.5	310.5	373.0	299.5	358.0	361.0	364.0
2086	24.0	15.0	17.5	5.0	21.0	6.0	46.5	231.5	166.0	284.5	169.5	172.5
2087	310.0	300.5	313.0	314.5	334.0	338.0	208.0	347.0	39.0	238.0	152.0	177.0
2091	56.5	114.5	352.0	.	59.5	27.0	9.0	274.0	337.0	282.0	320.0	306.0
2092	377.0	374.0	375.0	369.0	361.0	359.0	182.5	263.5	201.5	264.5	227.0	221.5
2093	42.5	48.0	62.0	80.0	74.0	122.0	283.5	326.0	309.0	321.0	324.0	323.0
2094	82.0	141.5	62.0	82.5	62.0	86.5	143.0	43.0	98.5	40.0	47.0	44.0
2095	10.0	10.0	21.5	29.0	7.5	7.0	15.5	374.0	227.0	364.0	363.0	363.0
2096	353.5	.	371.5	.	367.0	.	367.0	375.0	358.0	365.0	370.0	371.0
2097	5.0	27.0	6.0	27.0	7.5	30.5	31.0	48.5	98.5	32.0	32.0	36.0
2098	62.0	50.0	58.0	19.0	43.5	14.0	11.0	7.0	329.5	363.0	342.0	345.0
2099	123.0	148.0	116.0	130.5	129.5	143.0	252.5	348.0	159.0	339.0	305.5	310.5
2100	97.0	139.5	90.0	143.0	80.5	147.5	224.5	265.0	263.0	184.5	218.5	243.5
2111	374.0	337.0	377.0	365.0	378.0	373.0	340.0	376.0	363.0	.	374.0	374.0
2121	72.0	6.0	194.5	74.0	83.0	5.0	329.0	377.0	370.0	.	375.0	376.0
2131	287.5	95.5	373.0	356.0	335.0	221.5	335.0	378.0	369.0	.	376.0	377.0
2141	372.5	359.0	345.5	121.0	376.0	371.0	374.0	328.0	282.0	.	377.0	375.0
2201	332.5	334.0	348.5	349.0	356.0	355.0	348.0	342.0	331.0	266.0	338.5	335.5
2241	332.5	304.5	327.5	297.0	320.5	290.5	254.5	217.0	177.0	149.0	195.5	182.0
2251	359.5	332.0	370.0	355.0	368.0	358.0	364.0	308.0	357.0	254.5	338.5	341.0
2252	359.5	351.0	371.5	363.0	370.0	365.0	355.5	308.0	362.0	307.0	344.0	347.0
2253	361.5	345.0	374.0	366.0	375.0	372.0	349.0	310.0	360.5	314.0	343.0	346.0
2254	346.0	321.0	364.0	354.0	373.0	368.0	371.0	353.0	368.0	327.0	356.0	359.5
2256	343.5	347.0	359.0	367.0	372.0	374.0	343.5	350.0	376.0	332.5	365.0	367.0
2259	325.0	282.5	320.0	283.0	337.5	308.0	354.0	340.5	364.0	291.0	347.0	353.0
2280	318.5	333.0	317.5	340.0	329.0	343.0	310.5	299.5	281.0	272.0	309.0	303.0
2284	242.5	156.5	319.0	314.5	339.5	344.0	333.0	222.0	93.0	288.5	220.5	169.5
2291	348.0	373.0	342.5	370.0	341.0	366.0	365.0	305.0	377.0	206.5	353.0	362.0
2292	366.0	354.0	363.0	351.0	365.0	352.0	331.5	314.5	326.5	309.0	326.0	330.0
2293	314.5	372.0	312.0	358.5	313.5	367.0	326.5	36.5	354.0	12.0	64.5	188.5
2294	173.0	344.0	173.5	271.0	143.5	262.0	346.0	180.0	75.0	37.5	136.5	101.0
2295	287.5	154.5	302.0	202.0	293.5	92.5	233.0	236.5	350.5	41.0	300.0	308.0
2296	281.5	111.5	315.0	309.0	304.5	276.0	370.0	363.0	371.0	322.0	369.0	370.0
2297	254.5	323.0	311.0	361.0	330.0	363.5	369.0	65.5	61.0	18.0	35.0	31.0
2298	294.0	320.0	298.5	326.0	310.5	337.0	331.5	335.0	220.5	221.0	325.0	313.0
2299	275.5	239.0	290.5	268.5	302.0	290.5	283.5	213.5	195.5	115.5	207.5	199.5
2391	343.5	335.0	354.0	335.0	358.0	345.0	328.0	360.0	365.0	303.0	352.0	359.5
2392	328.0	322.0	336.0	327.5	336.0	324.5	304.0	303.5	344.5	313.0	328.0	333.0
2393	294.0	310.0	282.5	171.0	290.0	76.0	368.0	372.0	378.0	319.0	373.0	373.0
2394	268.0	161.0	276.0	154.0	278.0	113.5	1.0	5.0	3.0	6.0	1.0	1.0
2395	375.0	362.0	366.5	346.0	360.0	330.0	298.0	297.0	312.0	287.0	310.5	312.0
2396	307.5	250.0	292.0	214.0	295.5	212.0	266.0	190.0	249.5	224.0	205.0	234.5
2397	372.5	361.0	361.0	344.0	356.0	327.0	293.5	263.5	288.5	315.0	307.5	299.5
2399	334.0	303.0	327.5	287.0	327.0	283.5	317.0	272.5	341.0	301.0	318.0	325.5
2411	11.0	20.5	13.0	21.0	16.0	22.0	5.0	14.0	27.0	9.0	8.0	9.0
2421	16.5	37.0	12.0	33.0	7.5	30.5	44.5	84.0	13.0	35.0	33.5	28.5
2426	164.0	265.0	112.5	232.5	100.0	225.0	287.5	260.0	279.0	326.0	312.0	295.5
2429	52.0	106.0	38.0	94.5	31.0	83.0	159.5	175.0	58.5	83.5	62.5	62.0
2431	64.5	86.0	42.0	63.0	35.0	58.0	254.5	225.0	229.0	298.5	260.0	250.0
2432	280.0	314.0	276.0	307.5	278.0	309.0	295.5	287.0	259.0	317.0	279.5	280.5
2433	234.5	290.5	235.0	284.0	202.0	272.5	245.0	150.0	211.0	163.5	167.5	165.0
2491	82.0	148.0	74.5	138.5	59.5	127.5	150.5	260.0	172.0	274.0	267.5	243.5
2499	252.5	275.5	243.0	274.0	240.0	277.0	273.0	240.0	178.5	257.0	211.0	207.5
2500	186.0	207.5	187.5	232.5	166.5	226.0	147.5	318.0	143.0	62.5	193.0	214.0
2511	285.5	302.0	296.0	313.0	271.5	292.5	267.0	250.0	312.0	272.0	297.0	288.0
2512	339.0	355.0	330.0	341.0	317.5	318.0	216.0	200.0	290.0	280.5	276.0	268.0
2514	260.5	268.0	245.0	253.5	231.5	240.5	259.0	205.0	320.0	268.0	295.5	287.0
2515	301.5	298.0	309.5	322.0	327.0	342.0	227.5	219.0	298.0	296.0	289.0	277.5
2519	221.0	317.0	219.0	301.0	190.5	267.0	361.0	346.0	374.0	350.0	368.0	368.0
2521	285.5	304.5	296.0	318.0	271.5	294.5	273.0	254.0	319.0	280.5	300.0	295.5
2522	260.5	248.0	245.0	238.5	231.5	218.0	240.5	202.5	285.0	242.5	269.5	259.5
2531	260.5	270.0	245.0	260.0	231.5	252.5	265.0	243.5	326.5	284.5	304.0	301.0
2541	147.0	148.0	125.0	133.0	104.5	118.5	248.0	227.5	293.0	249.0	285.0	274.5
2542	301.5	288.5	282.5	275.5	274.0	262.0	237.5	192.0	284.0	236.0	261.5	255.5
2591	301.5	296.5	282.5	282.0	274.0	272.5	250.5	192.0	296.0	268.0	276.0	271.5
2599	264.0	258.0	263.5	258.0	237.5	240.5	230.0	227.5	245.5	241.0	258.5	251.0
2605	113.0	106.0	102.5	104.0	83.0	91.0	58.5	91.5	195.5	33.0	56.0	83.0
2611	5.0	8.5	6.0	14.0	7.5	13.0	12.0	30.5	8.0	43.0	16.0	15.0
2621	138.5	191.5	142.0	210.0	124.0	193.0	178.0	322.0	238.5	234.5	310.5	299.5
2631	93.0	120.5	66.0	90.0	41.5	70.5	140.5	314.5	277.5	226.5	300.0	293.0
2641	147.0	133.5	155.0	157.0	131.0	137.0	216.0	323.5	237.0	106.5	290.0	280.5
2642	277.0	260.0	248.5	243.5	261.5	258.5	174.0	334.0	299.5	71.5	292.0	304.0
2643	252.5	284.0	240.0	263.5	224.0	255.0	352.0	280.5	348.0	341.0	337.0	335.5
2644	155.0	153.0	137.5	133.0	117.0	124.0	85.0	317.0	288.5	52.0	231.5	273.0
2645	224.5	240.5	219.0	237.0	214.5	236.5	213.0	299.5	270.0	57.0	267.5	268.0
2646	125.0	164.5	119.0	165.5	95.0	145.5	190.0	319.0	117.0	51.0	223.5	211.0
2647	206.0	227.0	184.0	197.0	160.5	181.0	92.0	68.5	31.0	311.0	121.5	70.0
2649	248.0	243.5	263.5	261.5	282.0	288.0	220.0	293.0	223.5	99.0	233.5	243.5
2661	186.0	215.5	280.0	288.0	366.0	363.5	235.0	316.0	316.0	317.0	332.5	328.0
2701	218.0	206.0	240.0	224.0	226.0	215.0	190.0	180.0	121.5	149.0	105.5	112.5
2711	5.0	20.5	6.0	16.5	7.5	19.0	17.0	19.0	14.5	13.0	10.0	10.0

Table 11.--Rank correlations, ranks, and summary statistics for the variables in table 10--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2721	22.5	22.0	6.0	7.0	7.5	11.0	10.0	12.0	7.0	10.0	4.5	5.0
2731	29.0	69.5	14.5	52.0	17.5	49.0	50.0	213.5	318.0	24.5	89.0	197.0
2732	22.5	31.0	6.0	16.5	7.5	17.5	28.0	54.5	173.0	15.5	26.0	41.5
2741	40.0	42.0	32.5	33.0	23.5	33.0	29.5	42.0	156.0	14.0	23.0	33.0
2753	89.5	95.5	80.5	93.0	95.0	113.5	48.5	59.0	275.5	24.5	50.5	95.0
2761	224.5	256.5	219.0	242.0	214.5	242.0	230.0	312.0	265.0	106.5	291.0	283.0
2771	213.5	215.5	191.5	194.0	175.0	183.5	81.0	277.5	338.0	120.5	223.5	283.0
2782	224.5	211.0	227.5	208.5	202.0	195.0	143.0	331.0	238.5	149.0	202.0	263.0
2789	32.0	35.5	16.0	25.0	19.0	28.0	26.5	59.0	141.5	20.5	27.0	36.0
2791	38.0	50.0	24.5	49.0	22.0	46.0	24.0	28.0	16.5	20.5	13.5	14.0
2793	151.5	116.0	132.0	108.0	110.5	102.0	97.0	71.5	121.5	45.5	41.5	52.0
2794	151.5	136.0	132.0	124.0	110.5	111.0	116.0	75.0	128.0	45.5	46.0	54.0
2821	297.5	292.0	282.5	280.0	293.5	298.5	242.0	197.5	214.0	188.0	164.0	197.0
2822	118.0	78.5	110.0	82.5	88.5	70.5	197.0	73.0	171.0	50.0	53.5	65.5
2823	341.0	350.0	350.5	350.0	342.0	348.0	355.5	282.5	147.0	245.5	242.5	221.5
2824	318.5	279.0	300.0	270.0	299.0	280.0	318.5	213.5	114.5	182.5	152.0	143.5
2841	138.5	124.5	184.0	185.5	117.0	113.5	308.0	312.0	129.0	293.0	250.0	240.5
2842	77.0	77.0	77.5	80.0	62.0	70.5	264.0	140.0	234.0	258.0	187.0	199.5
2843	273.5	313.0	253.5	291.0	247.5	289.0	334.0	332.0	141.5	304.0	286.0	268.0
2844	269.5	343.0	263.5	338.0	264.0	333.0	366.0	336.0	373.0	351.0	362.0	365.0
2851	107.0	67.5	93.0	70.5	79.0	51.0	107.0	64.0	222.0	131.5	68.0	119.0
2861	45.0	75.0	60.0	118.0	74.0	196.5	199.5	56.0	73.0	158.5	56.0	48.0
2871	5.0	4.0	6.0	4.0	7.5	4.0	7.0	21.0	6.0	8.0	11.0	7.0
2872	5.0	2.0	6.0	3.0	7.5	3.0	3.0	15.5	2.0	3.0	4.5	4.0
2879	87.0	44.5	91.5	51.0	68.0	34.5	260.0	267.5	145.5	231.5	195.5	182.0
2891	249.5	274.0	238.0	257.0	195.5	218.0	194.5	104.5	134.0	228.5	141.5	132.5
2892	113.0	91.5	54.5	41.0	252.5	236.5	94.5	104.5	139.0	118.0	76.5	86.0
2893	30.0	23.0	32.5	18.0	25.0	17.5	53.0	238.5	134.0	233.0	187.0	175.0
2895	87.0	108.5	32.5	49.0	7.5	16.0	38.0	32.0	10.5	49.0	21.0	17.0
2899	113.0	106.0	107.0	105.0	95.0	100.0	292.0	289.5	185.5	254.5	236.5	232.0
2901	238.5	219.0	219.0	211.5	214.5	204.0	275.5	284.0	136.5	214.0	198.0	188.5
2951	5.0	14.0	6.0	13.0	7.5	10.0	13.0	20.0	154.0	31.0	28.0	30.0
2952	54.5	39.0	32.5	6.0	7.5	1.0	74.0	358.0	216.0	55.0	317.0	316.0
3011	118.0	101.5	102.5	94.5	88.5	86.5	56.5	231.5	104.5	288.5	215.5	191.5
3021	283.0	229.0	322.5	289.0	346.5	316.0	295.5	339.0	344.5	317.0	330.0	339.0
3031	5.0	13.0	6.0	11.5	7.5	12.0	33.5	33.0	39.0	36.0	31.0	27.0
3069	224.5	201.5	200.0	182.0	185.5	166.0	206.0	197.5	187.0	191.5	164.0	175.0
3079	271.5	194.0	263.5	215.0	243.5	171.5	210.0	180.0	185.5	156.5	149.0	159.0
3101	47.5	104.0	66.0	138.5	86.0	208.0	347.0	352.0	270.0	268.0	322.0	324.0
3111	138.5	156.5	132.0	128.0	124.0	109.5	72.0	48.5	305.5	346.0	313.0	286.0
3121	147.0	127.0	125.0	113.0	104.5	104.0	116.0	160.5	325.0	279.0	255.0	271.5
3131	127.5	99.5	95.5	84.5	83.0	63.0	62.5	225.0	349.0	242.5	281.0	308.0
3141	251.0	220.5	272.5	251.0	276.0	270.5	213.0	286.0	178.5	238.0	239.0	243.5
3142	186.0	130.5	260.0	226.0	266.0	220.0	171.0	275.0	176.0	261.5	236.5	238.5
3151	330.0	365.0	368.0	375.0	377.0	.	377.0	343.0	367.0	219.0	358.0	355.0
3161	361.5	363.0	332.0	325.0	327.0	321.0	282.0	298.0	332.0	283.0	303.0	318.0
3171	331.0	330.0	324.0	320.5	331.0	336.0	261.0	269.0	264.0	294.0	283.0	274.5
3172	311.0	285.0	303.0	286.0	304.5	294.5	204.0	219.0	277.5	291.0	265.0	261.5
3199	157.5	137.5	121.5	108.0	124.0	113.5	192.5	282.5	346.0	261.5	307.5	321.5
3221	189.0	169.0	179.0	169.0	147.5	149.0	155.5	253.0	189.0	112.5	202.0	207.5
3241	35.0	58.0	19.5	54.0	15.0	38.0	26.5	84.0	26.0	68.0	40.0	40.0
3251	301.5	280.0	150.0	185.5	133.5	171.5	138.5	109.5	291.0	57.0	167.5	207.5
3253	318.5	286.0	348.5	327.5	362.0	350.0	321.0	163.5	322.5	44.0	211.0	247.0
3255	193.5	204.5	173.5	199.0	152.5	186.0	136.5	195.0	74.0	160.0	89.0	89.0
3259	218.0	197.0	207.0	175.5	202.0	188.0	199.5	94.0	307.0	48.0	174.5	217.0
3261	338.0	312.0	325.5	298.0	320.5	298.5	336.0	303.5	243.0	99.0	229.5	255.5
3262	376.0	358.0	376.0	357.0	374.0	360.0	363.0	357.0	249.5	109.5	283.0	314.5
3263	346.0	327.0	340.0	324.0	344.5	335.0	359.0	288.0	335.0	118.0	269.5	298.0
3264	313.0	255.0	286.0	236.0	286.5	238.5	164.0	157.5	193.0	144.5	164.0	159.0
3269	316.0	273.0	304.0	248.5	297.5	278.5	343.5	325.0	235.5	104.0	240.0	268.0
3271	312.0	325.5	288.0	310.5	282.0	306.0	326.5	91.5	294.5	188.0	182.5	217.0
3272	307.5	295.0	296.0	293.5	297.5	303.0	300.0	70.0	254.5	128.0	108.5	149.5
3273	138.5	220.5	95.5	194.0	71.0	150.5	19.0	80.0	24.0	65.5	39.0	36.0
3274	69.0	97.0	56.0	90.0	33.5	64.0	65.0	41.0	180.5	15.5	33.5	45.0
3275	168.0	170.5	378.0	.	45.5	77.0	33.5	48.5	209.0	69.0	66.0	92.0
3281	284.0	277.0	270.0	265.5	260.0	246.0	172.0	88.0	89.0	153.5	81.5	67.0
3291	84.0	93.0	85.5	100.5	62.0	80.5	85.0	100.5	124.0	106.5	74.0	74.5
3292	63.0	44.5	62.0	46.5	49.5	41.0	157.5	209.0	198.0	216.5	193.0	201.5
3293	75.0	71.5	69.5	78.0	56.0	70.5	153.0	183.5	163.5	178.0	138.5	149.5
3295	182.5	263.0	58.0	29.0	117.0	160.5	32.0	4.0	182.0	2.0	6.0	8.0
3296	266.0	203.0	160.0	138.5	143.5	137.0	273.0	257.5	302.0	175.0	227.0	259.5
3297	224.5	251.5	191.5	234.0	202.0	238.5	164.0	247.0	67.0	224.0	130.0	115.5
3299	213.5	251.5	219.0	9.0	214.5	274.5	150.5	160.5	109.5	112.5	75.0	80.0
3312	95.0	114.5	116.0	148.5	160.5	186.0	224.5	247.0	119.5	221.0	171.5	153.0
3313	179.0	243.5	137.5	204.0	91.5	132.0	132.5	183.5	166.0	194.5	136.5	143.5
3315	105.0	113.0	77.5	73.0	80.5	67.5	72.0	116.0	312.0	131.5	220.5	246.0
3316	143.0	200.0	219.0	263.5	264.0	296.5	202.5	109.5	37.0	228.5	95.5	74.5
3317	107.0	123.0	164.5	198.0	236.0	252.5	210.0	294.0	18.0	141.5	236.5	156.5
3331	40.0	63.0	39.5	87.0	49.5	36.5	121.0	34.0	28.0	74.5	29.0	24.0
3332	12.5	7.0	44.0	23.0	77.0	56.5	194.5	125.5	252.5	144.5	121.5	165.0
3333	125.0	227.0	173.5	261.5	267.0	312.0	302.0	250.0	124.0	206.5	145.5	143.5
3334	64.5	89.0	58.0	87.0	77.0	106.5	92.0	74.0	25.0	137.5	38.0	38.5
3339	127.5	186.5	99.0	165.5	160.5	227.5	220.0	134.0	103.0	212.0	95.5	97.5
3341	147.0	288.5	107.0	138.5	180.0	257.0	227.5	157.5	159.0	231.5	145.5	143.5
3351	168.0	306.0	179.0	296.0	170.0	282.0	303.0	355.0	256.5	359.5	360.0	352.0
3352	199.5	269.0	187.5	256.0	237.5	285.0	262.0	349.0	232.5	342.5	331.0	331.0
3356	244.5	218.0	236.5	217.0	228.0	200.0	220.0	150.0	69.0	199.5	83.5	70.0
3357	249.5	267.0	129.0	118.0	185.5	190.5	153.0	333.0	314.0	335.0	321.0	329.0
3361	244.5	287.0	242.0	281.0	234.5	267.0	287.5	255.0	229.0	188.0	211.0	228.5
3362	202.5	263.0	209.5	255.0	202.0	247.5	320.0	291.5	339.5	345.0	332.5	334.0
3369	196.5	224.0	212.5	231.0	195.5	181.0	147.5	229.0	324.0	306.0	295.5	292.0
3391	58.5	55.0	54.5	46.5	77.0	65.5	102.0	163.5	209.0	112.5	206.0	178.5
3392	132.5	122.0	137.5	143.0	190.5	196.5	43.0	18.0	12.0	18.0	12.0	11.0
3399	121.0	119.0	173.5	173.5	175.0	174.0	155.5	154.5	108.0	165.5	113.5	101.0
3411	238.5	278.0	233.0	252.0	220.5	232.5	83.0	236.5	339.5	144.5	271.0	289.5
3421	363.0	369.0	355.0	362.0	352.0	357.0	353.0	295.0	315.0	240.0	316.0	308.0

Table 11.--Rank correlations, ranks, and summary statistics for the variables in table 10--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
3423	220.0	185.0	227.5	190.0	214.5	175.0	182.5	157.5	205.0	120.5	160.0	162.0
3425	190.5	182.5	173.5	175.5	160.5	160.5	111.5	213.5	195.5	140.0	174.5	182.0
3429	318.5	294.0	289.0	265.5	284.5	260.0	299.0	213.5	169.5	295.0	217.0	207.5
3431	336.5	346.0	325.5	329.0	317.5	316.0	313.0	150.0	199.5	336.0	276.0	249.0
3432	267.0	296.5	248.5	285.0	234.5	264.5	291.0	231.5	360.5	144.5	314.5	327.0
3433	206.0	189.0	194.5	187.0	175.0	156.5	107.0	121.0	192.0	102.0	133.0	147.0
3441	168.0	199.0	160.0	184.0	207.5	202.0	186.5	163.5	139.0	147.0	133.0	132.5
3442	168.0	152.0	184.0	169.0	224.0	198.5	164.0	100.5	91.0	173.0	108.5	95.0
3443	176.5	204.5	184.0	206.0	195.5	206.0	81.0	52.0	106.5	128.0	58.0	56.5
3444	193.5	201.5	145.5	156.0	160.5	150.5	184.5	118.5	80.5	83.5	86.0	74.5
3446	193.5	181.0	145.5	148.5	160.5	147.5	174.0	121.0	77.0	95.0	81.5	74.5
3449	193.5	223.0	145.5	165.5	160.5	153.0	186.5	125.5	80.5	88.0	99.0	86.0
3461	97.0	84.5	88.5	77.0	74.0	62.0	56.5	312.0	80.5	238.0	223.5	219.0
3471	121.0	117.5	204.0	196.0	240.0	221.5	178.0	172.5	77.0	194.5	118.5	101.0
3479	121.0	144.0	204.0	218.0	240.0	249.0	178.0	176.0	64.0	208.5	125.0	95.0
3481	246.5	253.0	233.0	221.0	214.5	190.5	132.5	205.0	280.0	216.5	263.0	253.0
3491	238.5	293.0	233.0	268.5	220.5	250.0	88.5	241.0	342.0	137.5	276.0	295.5
3492	291.5	271.0	276.0	267.0	269.0	256.0	237.5	243.5	336.0	181.0	246.5	283.0
3493	155.0	166.0	69.5	66.5	56.0	43.5	116.0	187.0	294.5	204.5	252.5	253.0
3496	180.5	240.5	160.0	221.0	152.5	209.0	94.5	270.0	329.5	178.0	288.0	291.0
3497	378.0	378.0	219.0	227.5	147.5	118.5	250.5	44.5	47.5	171.5	56.0	43.0
3499	199.5	186.5	219.0	206.0	207.5	183.5	164.0	141.5	203.5	182.5	174.5	169.5
3501	322.0	290.5	298.5	277.5	295.5	281.0	290.0	225.0	161.5	168.0	180.5	169.5
3511	260.5	236.0	330.0	316.5	214.5	171.5	130.0	88.0	131.0	199.5	110.5	107.0
3519	93.0	80.0	69.5	60.0	56.0	46.0	62.5	150.0	39.0	298.5	160.0	110.5
3522	25.5	11.5	21.5	11.5	20.0	8.0	23.0	272.5	63.0	221.0	149.0	137.0
3531	173.0	167.5	155.0	150.0	138.5	109.5	68.5	170.5	152.5	99.0	95.5	115.5
3532	199.5	170.5	200.0	173.5	180.0	137.0	75.0	96.5	98.5	74.5	61.0	63.0
3533	305.0	266.0	258.5	238.5	243.5	212.0	116.0	113.5	101.5	83.5	68.0	70.0
3534	155.0	150.5	137.5	128.0	110.5	106.5	29.5	125.5	49.5	83.5	64.5	59.5
3535	157.5	133.5	137.5	108.0	110.5	89.5	22.0	113.5	43.0	77.5	60.0	54.0
3536	60.5	39.0	82.5	55.0	65.0	36.5	14.0	109.5	29.5	60.5	53.5	47.0
3537	103.5	94.0	129.0	126.0	100.0	92.5	58.5	202.5	212.0	180.0	177.5	194.0
3541	242.5	213.0	227.5	189.0	202.0	163.5	111.5	67.0	231.0	171.5	164.0	159.0
3542	234.5	210.0	236.5	202.0	224.0	181.0	111.5	68.5	232.5	178.0	169.5	162.0
3548	210.5	178.5	194.5	161.0	175.0	137.0	107.0	109.5	220.5	103.0	121.5	148.0
3551	160.5	143.0	143.0	121.0	124.0	105.0	61.0	102.0	209.0	81.0	113.5	138.5
3552	257.5	245.5	240.0	221.0	222.0	193.0	136.5	80.0	61.0	92.5	59.0	54.0
3553	129.5	124.5	112.5	110.0	124.0	118.5	97.0	116.0	266.0	57.0	152.0	172.5
3554	168.0	164.5	145.5	133.0	138.5	124.0	99.0	76.5	124.0	86.0	62.5	64.0
3555	160.5	141.5	209.5	182.0	117.0	98.5	164.0	96.5	117.0	197.0	86.0	90.0
3559	87.0	69.5	82.5	70.5	71.0	59.5	72.0	104.5	134.0	92.5	79.0	92.0
3561	115.0	84.5	85.5	63.0	68.0	49.0	51.5	116.0	157.0	170.0	102.0	119.0
3562	213.5	191.5	212.5	194.0	202.0	171.5	147.5	231.5	35.5	234.5	116.5	104.5
3564	85.0	64.5	85.5	72.0	71.0	59.5	70.0	104.5	106.5	261.5	141.5	123.0
3565	160.5	139.5	125.0	115.5	160.5	143.0	164.0	84.0	47.5	194.5	72.0	61.0
3566	307.5	275.5	274.0	250.0	269.0	243.0	138.5	141.5	83.5	77.5	76.5	70.0
3567	218.0	182.5	197.0	158.0	185.5	143.0	121.0	84.0	183.5	133.5	99.0	123.0
3569	151.5	127.0	102.5	96.0	88.5	83.0	77.0	78.0	131.0	79.5	72.0	70.0
3571	186.0	145.5	160.0	128.0	133.5	118.5	97.0	125.5	169.5	188.0	125.0	132.5
3572	72.0	71.5	72.5	80.0	56.0	73.5	102.0	109.5	145.5	151.0	92.0	107.0
3576	132.5	130.5	119.0	113.0	100.0	97.0	111.5	91.5	149.0	74.5	133.0	110.5
3579	186.0	162.5	168.5	152.0	147.5	137.0	218.0	144.5	225.5	99.0	127.0	153.0
3581	180.5	167.5	168.5	161.0	133.5	126.0	6.0	9.0	5.0	5.0	3.0	3.0
3582	196.5	184.0	212.5	211.5	190.5	186.0	206.0	91.5	206.5	71.5	83.5	126.0
3585	116.0	81.0	85.5	56.5	68.0	41.0	54.5	84.0	254.5	254.5	182.5	203.0
3586	143.0	159.5	137.5	161.0	110.5	118.5	35.5	88.0	136.5	191.5	92.0	107.0
3589	176.5	150.5	179.0	146.5	147.5	124.0	85.0	138.5	159.0	74.5	89.0	109.0
3599	54.5	55.0	49.0	53.0	49.5	56.5	79.0	170.5	61.0	163.5	92.0	77.5
3611	340.0	319.0	317.5	295.0	307.0	283.5	206.0	157.5	256.5	135.0	211.0	213.0
3612	168.0	158.0	150.0	145.0	160.5	137.0	277.0	195.0	88.0	158.5	156.5	123.0
3613	269.5	235.0	267.5	241.0	252.5	224.0	92.0	136.5	111.5	65.5	105.5	101.0
3621	257.5	225.0	258.5	240.0	261.5	232.5	263.0	96.5	113.0	156.5	79.0	88.0
3622	163.0	130.5	227.5	172.0	214.5	163.5	181.0	130.5	240.5	123.0	180.5	188.5
3623	125.0	99.5	107.0	97.5	91.5	85.0	37.0	174.0	149.0	130.0	99.0	115.5
3624	118.0	103.0	99.0	102.0	88.5	89.5	130.0	154.5	195.5	88.0	149.0	143.5
3629	147.0	110.0	219.0	188.0	231.5	198.5	237.5	96.5	259.0	123.0	177.5	185.5
3631	202.5	174.5	189.5	161.0	170.0	132.0	134.5	252.0	297.0	194.5	231.5	258.0
3632	151.5	130.5	137.5	118.0	110.5	95.0	44.5	57.0	286.0	212.0	164.0	204.5
3633	238.5	245.5	227.5	224.0	214.5	202.0	213.0	76.5	229.0	53.5	79.0	132.5
3634	230.5	259.0	227.5	248.5	185.5	212.0	245.0	125.5	46.0	95.0	70.0	58.0
3635	230.5	194.0	227.5	200.0	185.5	168.5	134.5	169.0	283.0	65.5	154.0	211.0
3636	190.5	177.0	184.0	178.0	152.5	160.5	147.5	207.0	183.5	118.0	184.0	167.0
3639	209.0	178.5	204.0	180.0	180.0	145.5	109.0	144.5	249.5	125.5	160.0	188.5
3641	99.5	75.0	125.0	103.0	124.0	98.5	184.5	121.0	249.5	137.5	187.0	194.0
3642	271.5	272.0	294.0	306.0	312.0	331.0	325.0	243.5	95.0	199.5	187.0	155.0
3651	129.5	82.0	125.0	90.0	170.0	137.0	90.0	247.0	71.0	184.5	156.5	140.0
3652	46.0	30.0	42.0	26.0	31.0	20.0	127.5	192.0	131.0	210.0	121.5	128.0
3661	176.5	137.5	150.0	124.0	138.5	118.5	140.5	138.5	190.0	95.0	102.0	132.5
3662	67.0	50.0	107.0	97.5	110.5	95.0	121.0	180.0	101.5	153.5	128.0	119.0
3674	224.5	188.0	200.0	178.0	180.0	160.5	256.0	200.0	93.0	224.0	141.5	136.0
3679	199.5	176.0	168.5	154.0	170.0	156.5	188.0	187.0	77.0	161.5	110.5	104.5
3691	160.5	174.5	80.5	76.0	85.0	80.5	190.0	209.0	56.5	208.5	105.5	101.0
3692	281.5	230.5	270.0	227.5	252.5	212.0	178.0	344.0	43.0	90.5	202.0	215.0
3693	67.0	53.0	64.0	63.0	49.5	54.5	164.0	166.5	86.0	137.5	118.5	92.0
3694	77.0	55.0	66.0	58.0	56.0	49.0	78.0	257.5	80.5	199.5	113.5	123.0
3699	132.5	91.5	155.0	146.5	180.0	156.5	224.5	144.5	261.5	153.5	198.0	211.0
3702	132.5	145.5	160.0	165.5	195.5	189.0	159.5	187.0	174.0	141.5	193.0	169.5
3713	47.5	35.5	39.5	29.0	31.0	21.0	40.0	345.0	21.0	305.0	261.5	230.5
3715	72.0	62.0	179.0	206.0	247.5	269.0	169.5	130.5	163.5	47.0	135.0	112.5
3717	80.0	87.0	49.0	35.0	36.0	25.0	54.5	308.0	33.0	275.5	214.0	178.5
3721	110.0	111.5	112.5	111.0	117.0	102.0	102.0	219.0	20.0	278.0	116.5	65.5
3722	110.0	117.5	91.5	100.5	100.0	102.0	68.5	172.5	65.0	302.0	187.0	138.5
3723	27.5	29.0	49.0	61.0	124.0	129.5	143.0	134.0	52.5	300.0	113.5	83.0
3729	27.5	33.0	49.0	56.5	124.0	108.0	130.0	136.5	67.0	275.5	105.5	86.0
3731	135.5	108.5	150.0	124.0	166.5	141.0	67.0	30.5	16.5	42.0	18.0	18.0

Table 11.--Rank correlations, ranks, and summary statistics for the variables in table 10--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
3732	141.0	127.0	155.0	154.0	138.5	132.0	66.0	23.0	10.5	39.0	13.5	12.0
3741	336.5	342.0	333.0	336.0	317.5	314.0	249.0	125.5	43.0	254.5	95.5	80.0
3742	230.5	254.0	263.5	275.5	284.5	286.0	280.5	65.5	199.5	53.5	102.0	115.5
3751	324.0	352.0	301.0	331.5	291.0	311.0	315.0	323.5	343.0	264.5	341.0	338.0
3791	72.0	28.0	179.0	178.0	247.5	270.5	121.0	166.5	104.5	37.5	125.0	83.0
3799	37.0	18.0	53.0	40.0	49.5	41.0	169.5	306.0	109.5	259.0	283.0	238.5
3811	279.0	237.0	247.0	219.0	282.0	258.5	127.5	61.0	34.0	27.0	30.0	28.5
3821	351.0	341.0	337.0	323.0	324.0	310.0	318.5	243.5	180.5	90.5	190.5	175.0
3822	358.0	348.0	347.0	339.0	339.5	326.0	322.0	262.0	155.0	79.5	156.5	162.0
3831	349.0	325.5	353.0	333.5	346.5	328.5	305.5	277.5	98.5	165.5	236.5	182.0
3841	321.0	308.0	309.5	305.0	302.0	300.5	269.0	213.5	235.5	230.0	246.5	240.5
3842	238.5	180.0	194.5	138.5	207.5	156.5	174.0	71.5	70.0	128.0	49.0	50.5
3843	290.0	263.0	278.5	259.0	269.0	252.5	271.0	195.0	119.5	168.0	141.5	132.5
3851	327.0	300.5	322.5	304.0	333.0	313.0	323.0	267.5	175.0	251.5	258.5	224.0
3861	254.5	197.0	251.0	213.0	243.5	206.0	257.5	266.0	114.5	216.5	179.0	165.0
3871	357.0	336.0	342.5	316.5	348.0	332.0	358.0	238.5	242.0	244.0	265.0	248.0
3872	369.0	370.0	360.0	364.0	356.0	354.0	357.0	130.5	350.5	323.0	329.0	325.5
3911	364.0	368.0	356.0	358.5	350.5	351.0	337.0	277.5	216.0	330.0	294.0	277.5
3912	371.0	375.0	365.0	371.0	359.0	362.0	341.0	296.0	261.5	328.0	305.5	302.0
3913	182.5	315.0	168.5	292.0	138.5	274.5	342.0	59.0	19.0	99.0	48.0	32.0
3914	353.5	367.0	315.0	342.0	315.0	340.5	360.0	301.0	245.5	332.5	327.0	317.0
3931	275.5	232.5	255.0	224.0	252.5	218.0	210.0	205.0	203.5	133.5	198.0	185.5
3941	346.0	360.0	330.0	345.0	317.5	334.0	301.0	302.0	317.0	261.5	300.0	310.5
3942	352.0	338.0	345.5	331.5	344.5	328.5	233.0	280.5	245.5	250.0	254.0	257.0
3943	210.5	242.0	200.0	230.0	190.5	212.0	289.0	330.0	303.5	60.5	279.5	295.5
3949	264.0	247.0	256.5	246.0	264.0	252.5	240.5	209.0	292.0	226.5	272.0	264.0
3951	365.0	353.0	344.0	319.0	343.0	322.0	279.0	168.0	218.0	216.5	215.5	201.5
3952	230.5	227.0	270.0	272.5	228.0	232.5	269.0	200.0	308.0	245.5	252.5	261.5
3953	301.5	261.0	334.5	310.5	353.0	346.5	307.0	150.0	268.0	291.0	229.5	230.5
3955	89.5	73.0	77.5	66.5	65.0	61.0	88.5	328.0	191.0	65.5	256.5	253.0
3961	350.0	340.0	350.5	343.0	349.0	346.5	305.5	250.0	139.0	270.0	207.5	194.0
3962	297.5	307.0	293.0	290.0	300.0	305.0	309.0	340.5	347.0	297.0	335.0	340.0
3963	289.0	238.0	305.0	272.5	309.0	278.5	330.0	291.5	322.5	161.5	273.0	289.5
3964	356.0	339.0	341.0	320.5	337.5	319.5	297.0	118.5	225.5	204.5	202.0	191.5
3981	329.0	329.0	369.0	373.0	325.0	339.0	372.0	289.5	188.0	123.0	241.0	227.0
3982	246.5	217.0	164.5	130.5	143.5	83.0	153.0	285.0	328.0	106.5	246.5	285.0
3983	135.5	154.5	121.5	151.0	228.0	245.0	157.5	222.0	245.5	203.0	202.0	217.0
3984	301.5	318.0	286.0	302.0	274.0	287.0	257.5	222.0	355.0	88.0	287.0	305.0
3987	5.0	5.0	306.0	303.0	322.5	324.5	4.0	6.0	4.0	7.0	2.0	2.0
3988	278.0	256.5	263.5	243.5	257.0	229.5	202.5	180.0	86.0	251.5	130.0	123.0
3993	291.5	281.0	112.5	106.0	100.0	95.0	245.0	187.0	272.5	202.0	223.5	234.5
3995	326.0	376.0	339.0	374.0	350.5	375.0	375.0	362.0	303.5	354.0	364.0	358.0
3999	323.0	299.0	308.0	293.5	302.0	292.5	196.0	99.0	126.5	109.5	72.0	77.5
4101	213.5	197.0	207.0	191.5	207.5	178.5	104.5	134.0	252.5	175.0	190.5	204.5
4208	206.0	190.0	150.0	143.0	185.5	166.0	178.0	234.5	96.0	168.0	138.5	128.0
4703	273.5	230.5	290.5	253.5	292.0	262.0	216.0	109.5	219.0	115.5	156.5	156.5
5503	355.0	356.0	334.5	333.5	322.5	316.0	313.0	187.0	287.0	125.5	211.0	234.5
5701	206.0	159.5	251.0	216.0	250.0	216.0	230.0	260.0	54.5	247.0	171.5	143.5

SUMMARY STATISTICS FOR 378 OBSERVATIONS

VARIABLE	SUM	AVERAGE	STAND. DEV.	MINIMUM	MAXIMUM	COEF. OF VARIATION
USUT65	4963.01	13.1297	8.96294	.0	55.3000	.682649
EP65U	9944.86	26.3092	53.1077	-20.0000	912.300	2.01860
USUT70	3774.77	9.98615	7.50616	.0	63.6000	.751657
EP70U	16975.2	44.9080	514.246	-16.7000	9999.80	11.4511
USUTPK	2997.07	7.92875	6.11401	.0	48.5000	.771119
EPPKU	6027.52	15.9458	38.4360	-16.0000	557.600	2.41041
GUEPUS	5658.49	14.9695	17.2714	-13.8000	148.600	1.15377
GUEPEEC	5145.52	13.6125	17.8956	-24.9000	154.900	1.31464
GUEPCAN	7216.06	19.0901	22.0905	-25.0000	288.600	1.15717
GUEPJAP	41087.9	108.698	890.308	-16.1000	9999.90	8.19064
GUEPECJU	6782.26	17.9425	24.7032	-11.8000	377.600	1.37680
GUEPACTY	6352.69	16.8060	18.4519	-11.5000	214.000	1.09793

Source: Calculated from a data bank at the U.S. International Trade

Table 12.--Rank correlation coefficients of the nominal and effective tariff rates from table 8 and 10

VARIABLE (NO) (FOR 378 OBSERVATIONS)

USTT6570	(2)
EP65W	(3)
USTT7070	(4)
EP70W	(5)
USTTPK70	(6)
EPPKW	(7)
USUT65	(8)
EP65U	(9)
USUT70	(10)
EP70U	(11)
USUTPK	(12)
EPPKU	(13)

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
(2)	******	0.926	0.922	0.838	0.839	0.781	0.877	0.806	0.810	0.731	0.764	0.699
(3)	47.511	******	0.844	0.878	0.768	0.815	0.779	0.811	0.713	0.715	0.674	0.689
(4)	46.310	30.551	******	0.923	0.938	0.877	0.829	0.747	0.856	0.771	0.813	0.745
(5)	29.745	35.619	46.393	******	0.865	0.934	0.732	0.736	0.761	0.783	0.722	0.749
(6)	29.934	23.238	52.659	33.425	******	0.925	0.745	0.671	0.790	0.713	0.843	0.774
(7)	24.279	27.261	35.364	50.824	47.080	******	0.671	0.678	0.711	0.715	0.753	0.787
(8)	35.462	24.086	28.781	20.860	21.681	17.556	******	0.931	0.925	0.855	0.864	0.794
(9)	26.447	26.865	21.766	21.109	17.530	17.868	49.544	******	0.855	0.870	0.817	0.843
(10)	26.785	19.721	32.046	22.742	25.008	19.594	47.100	31.929	******	0.937	0.905	0.838
(11)	20.746	19.856	23.483	24.409	19.710	19.819	31.953	34.183	52.213	******	0.849	0.881
(12)	22.964	17.687	27.054	20.240	30.376	22.209	33.251	27.494	41.307	31.155	******	0.935
(13)	18.958	18.416	21.671	21.891	23.717	24.723	25.330	30.397	29.774	36.030	51.329	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 376

VARIABLE (NO) (FOR 378 OBSERVATIONS)

GWEPUS	(2)
GWEPEEC	(3)
GWEPCAN	(4)
GWEPJAP	(5)
GWEPECJU	(6)
GWEPACTY	(7)
GUEPUS	(8)
GUEPEEC	(9)
GUEPCAN	(10)
GUEPJAP	(11)
GUEPECJU	(12)
GUEPACTY	(13)

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
(2)	******	0.415	0.496	0.427	0.548	0.539	0.832	0.423	0.485	0.378	0.542	0.531
(3)	8.848	******	0.414	0.475	0.720	0.722	0.503	0.967	0.425	0.502	0.720	0.724
(4)	11.074	8.816	******	0.405	0.747	0.823	0.456	0.435	0.909	0.394	0.702	0.768
(5)	9.161	10.464	8.602	******	0.750	0.689	0.455	0.454	0.464	0.900	0.726	0.678
(6)	12.692	20.136	21.805	21.981	******	0.980	0.579	0.721	0.762	0.719	0.956	0.944
(7)	12.420	20.243	28.067	18.452	95.072	******	0.562	0.724	0.816	0.662	0.937	0.956
(8)	29.085	11.293	9.938	9.905	13.785	13.169	******	0.513	0.465	0.451	0.590	0.567
(9)	9.042	73.710	9.371	9.891	20.184	20.365	11.593	******	0.453	0.488	0.750	0.755
(10)	10.747	9.100	42.187	10.144	22.806	27.383	10.190	9.851	******	0.436	0.767	0.841
(11)	7.907	11.253	8.311	40.060	20.055	17.142	9.809	10.851	9.402	******	0.752	0.687
(12)	12.508	20.095	19.117	20.489	63.479	51.940	14.171	21.957	23.199	22.128	******	0.978
(13)	12.147	20.381	23.277	17.879	55.684	63.171	13.354	22.314	30.125	18.351	91.536	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF

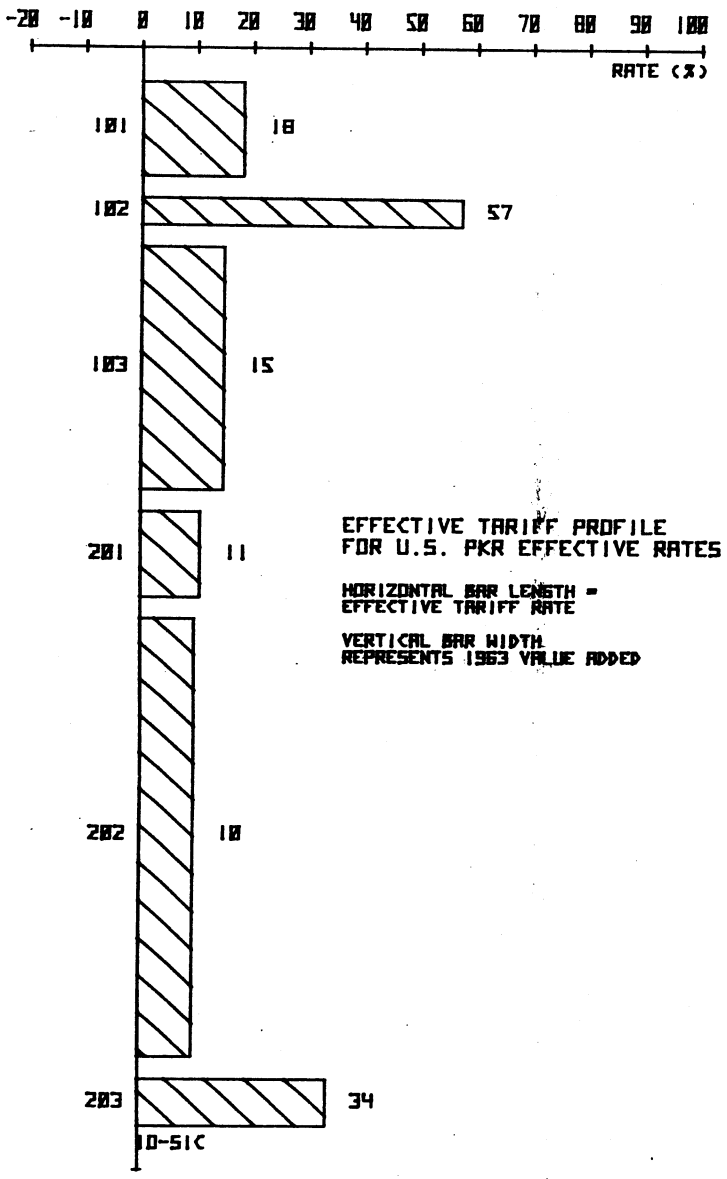
Source: Compiled at the U.S. International Trade Commission.

Note.--The upper rank correlation coefficients are between U.S. tariff using weighted and unweighted nominal tariff averages, variables 2-7 are from columns 2-7 of Table 8. Variables 8-13 are from columns 2-7 of Table 10.

The lower rank correlation coefficients are between the effective tariff rates derived from GATT imports weighted and non-weighted nominal tariff sources. Variables 2-7 are from columns 8-13 of Table 8, while variables 8-13 are from column 8-13 of Table 10.

CHART 3

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



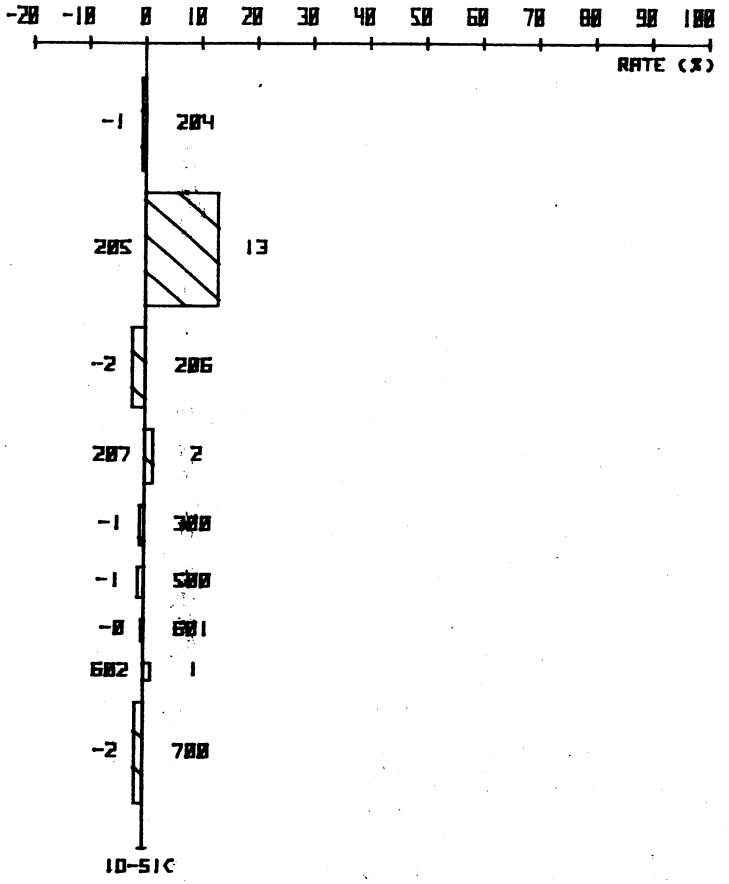
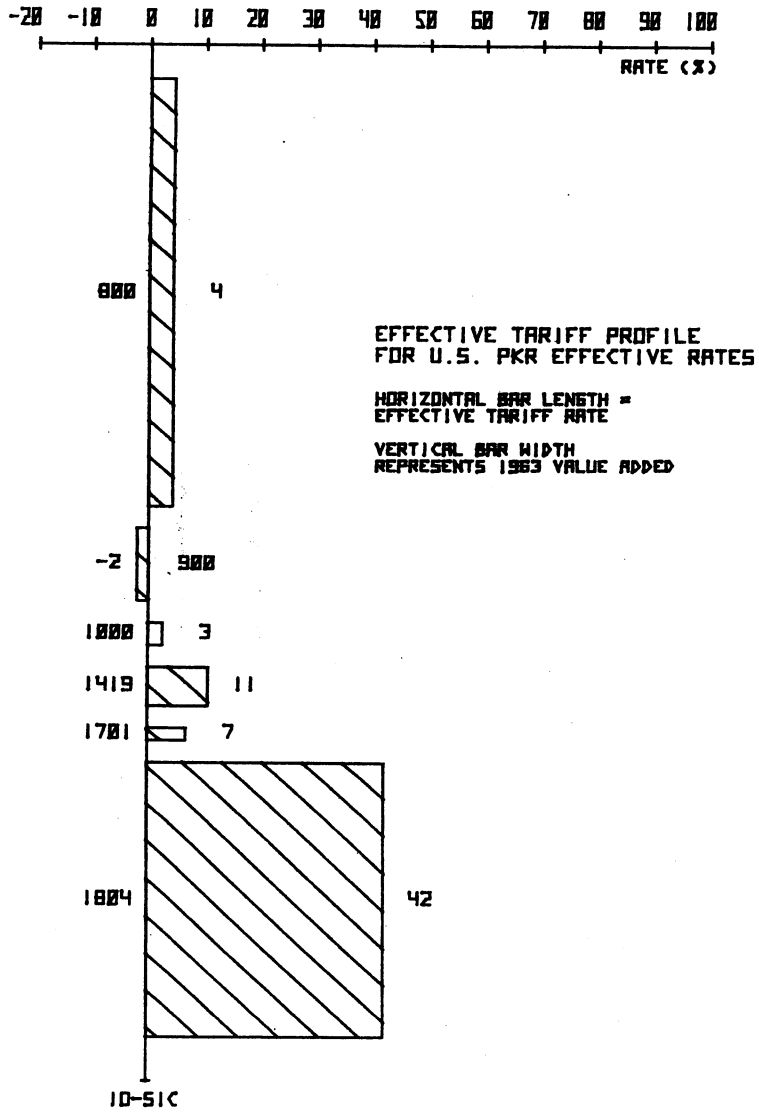
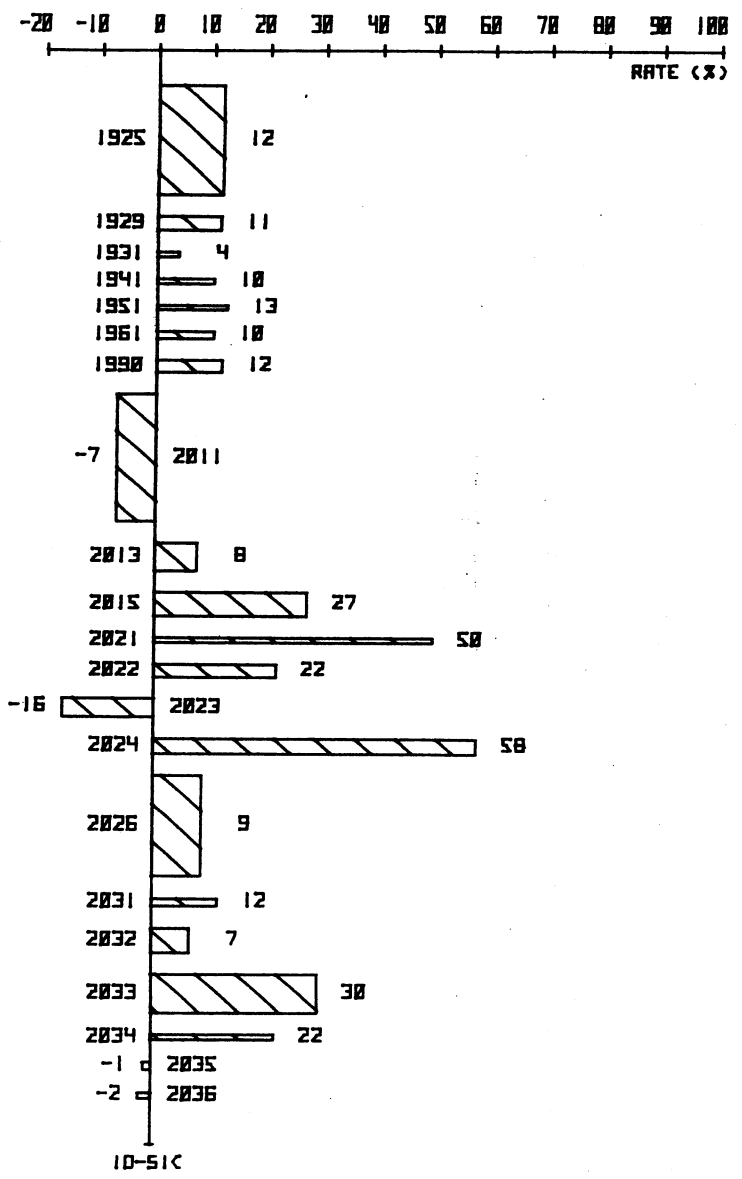


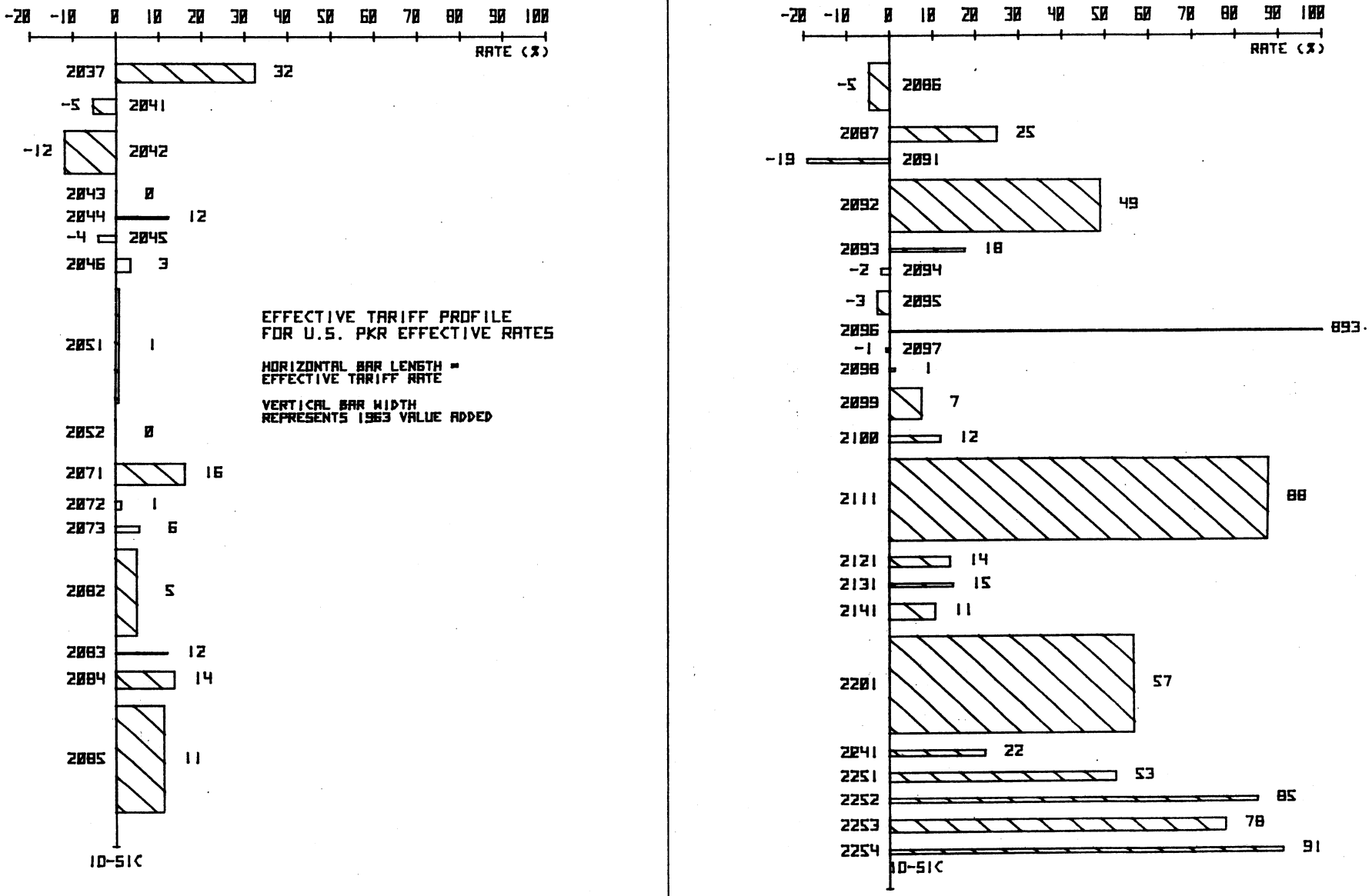
CHART 3--Cont.

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States

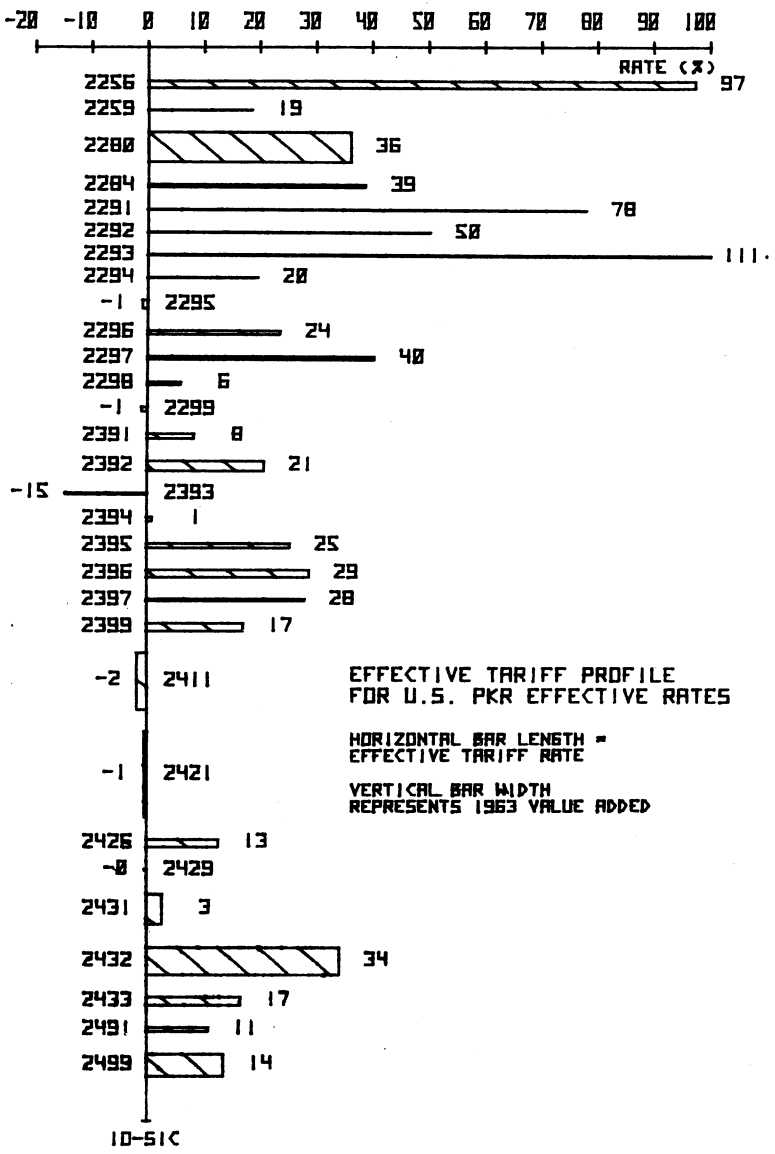




Effective tariff profiles for Post Kennedy Round (PKR) effectiye tariff rates for the United States



Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



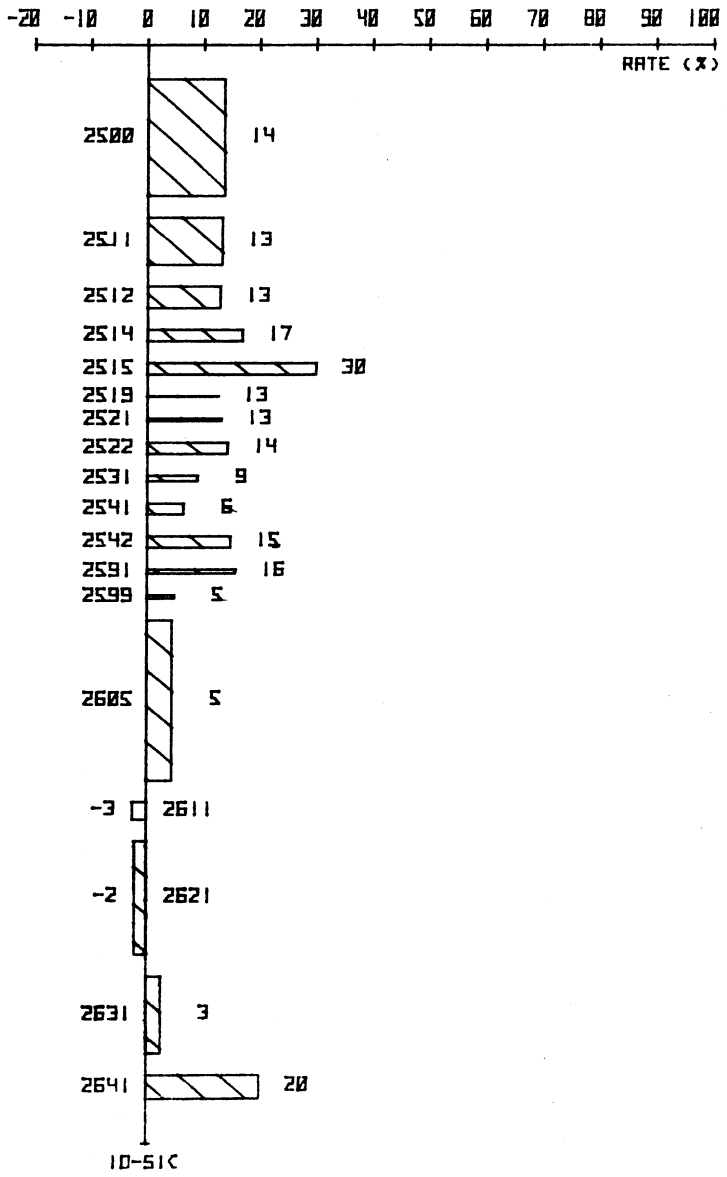
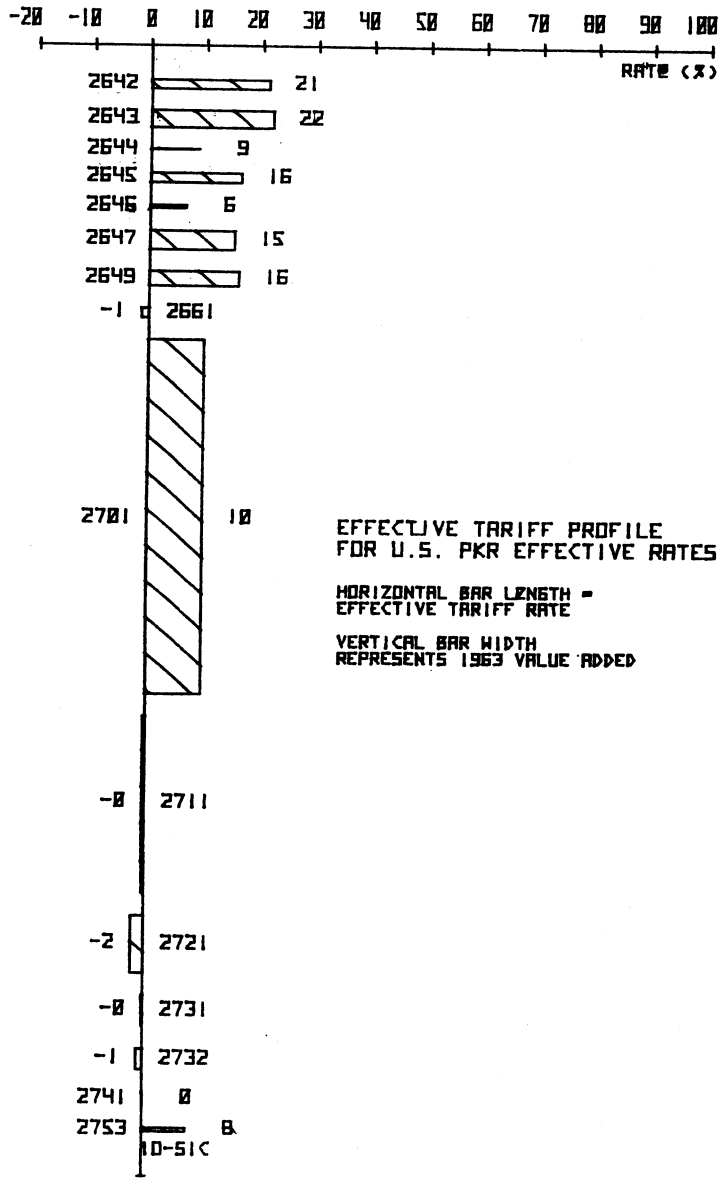


CHART 3--Cont.

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



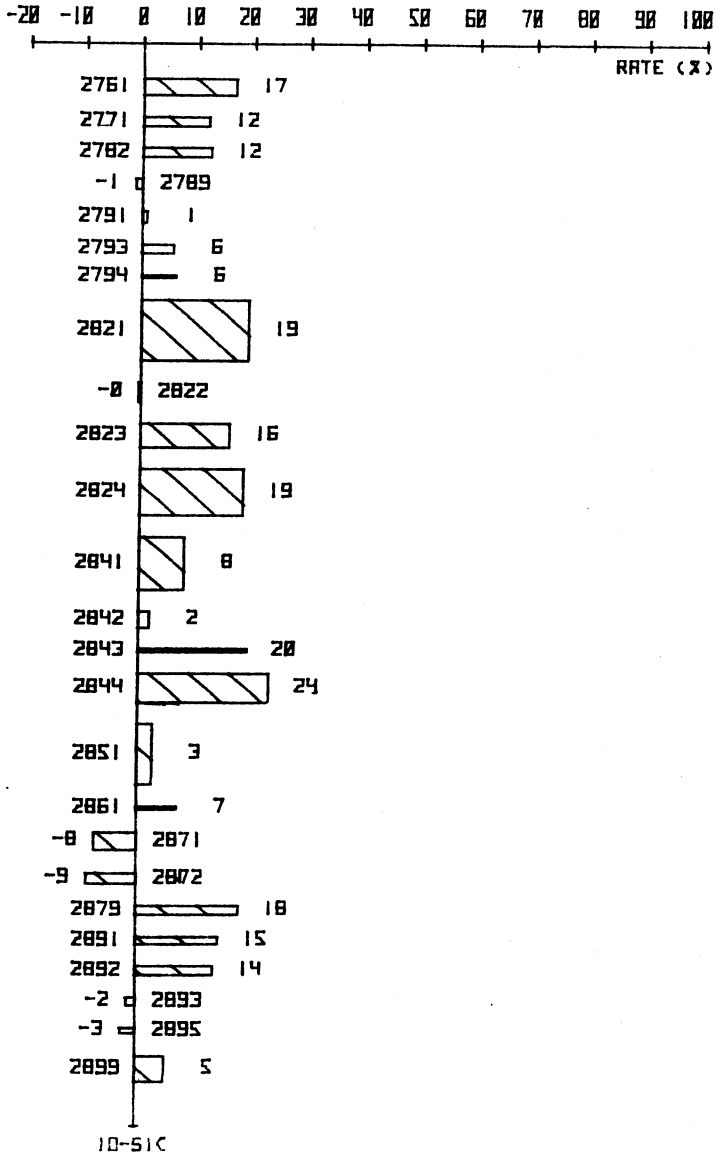
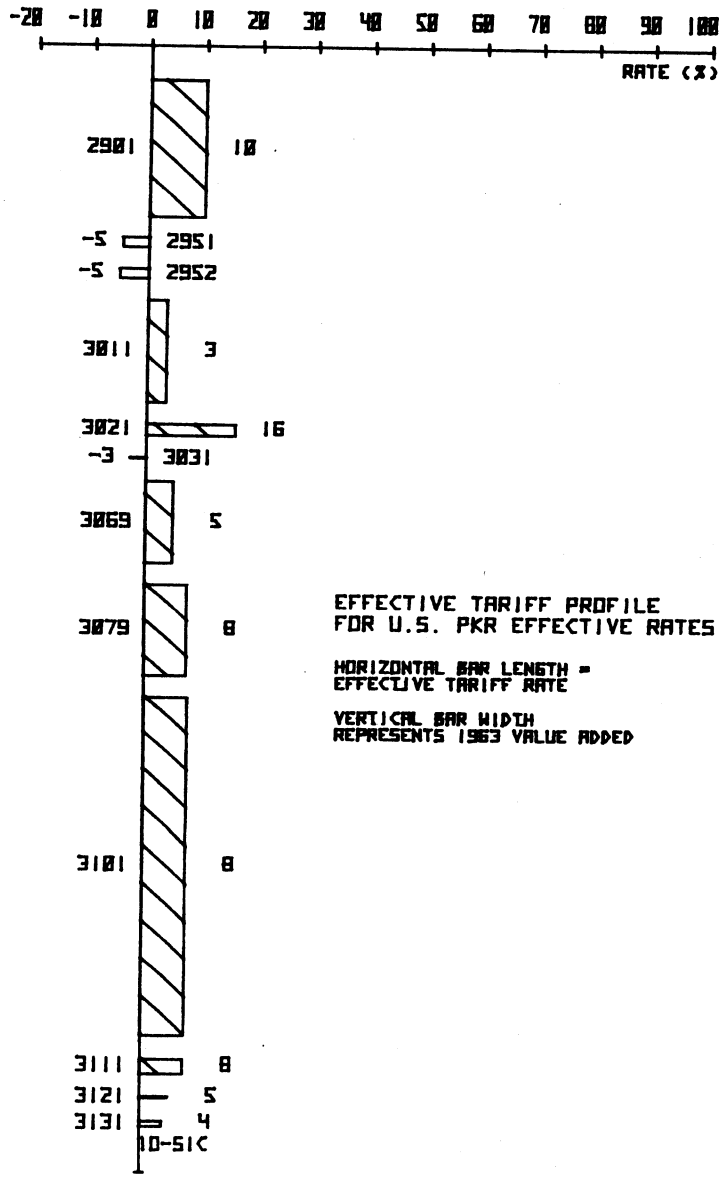


CHART 3--Cont.

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



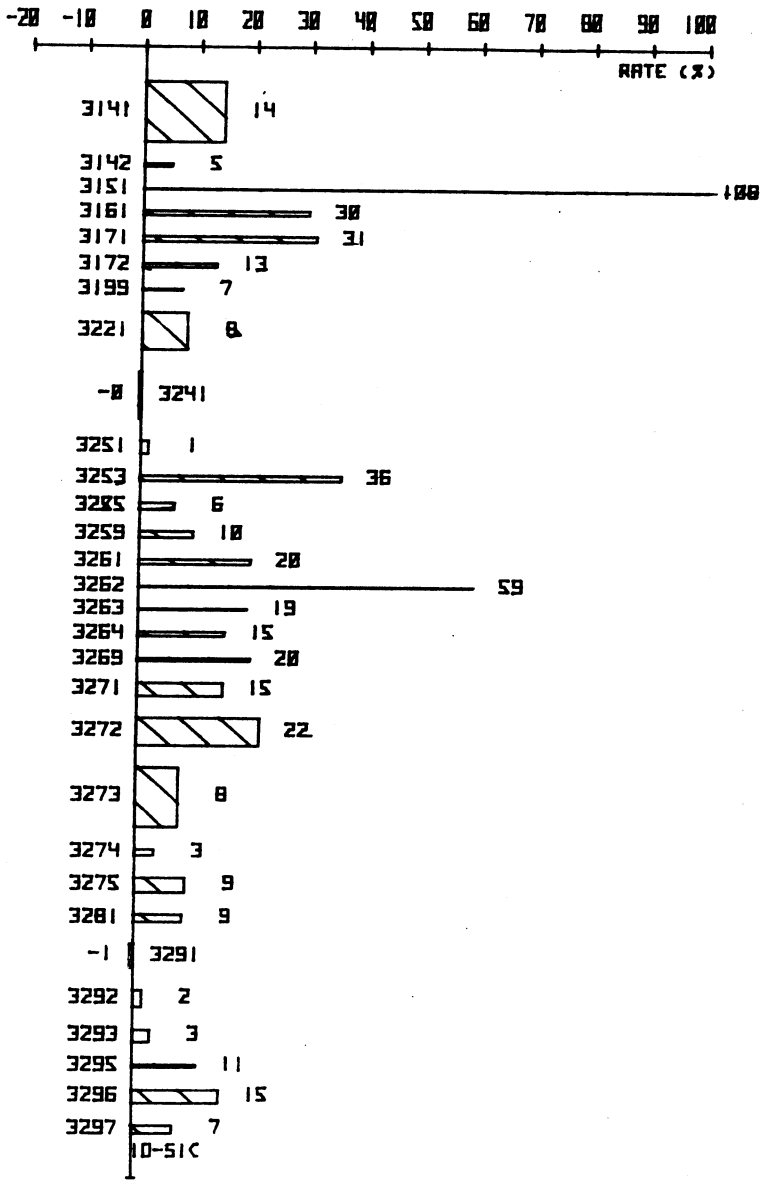
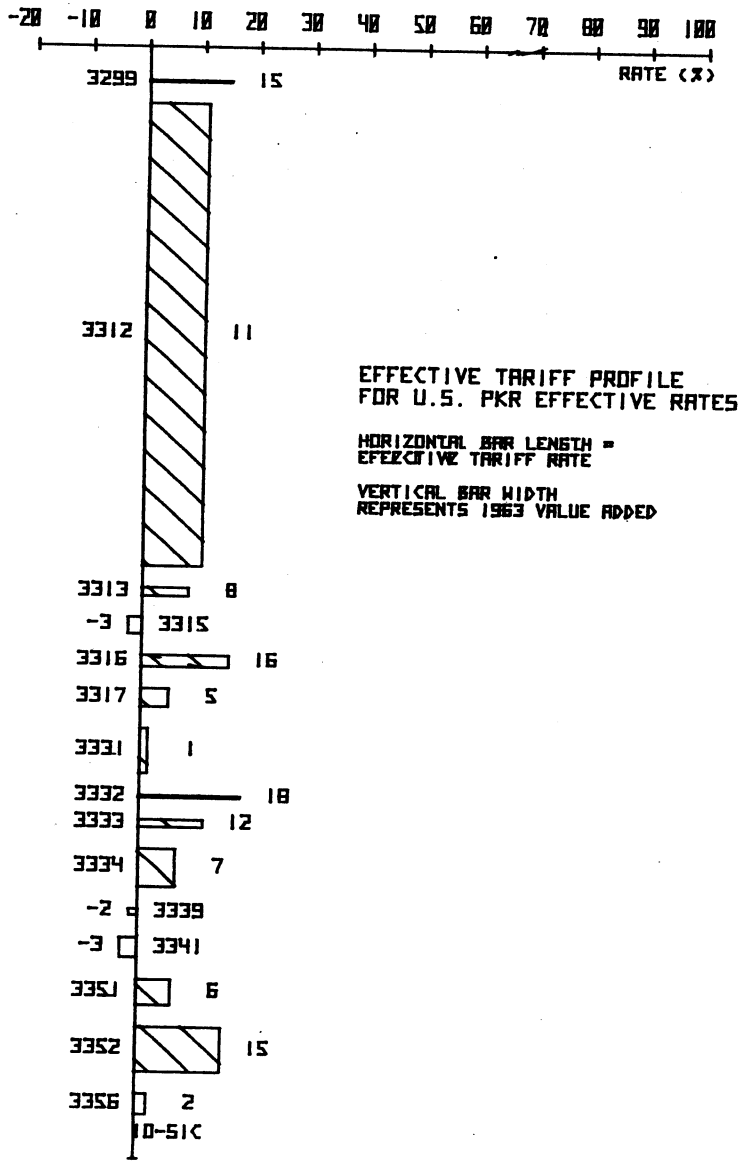


CHART 3--Cont.

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



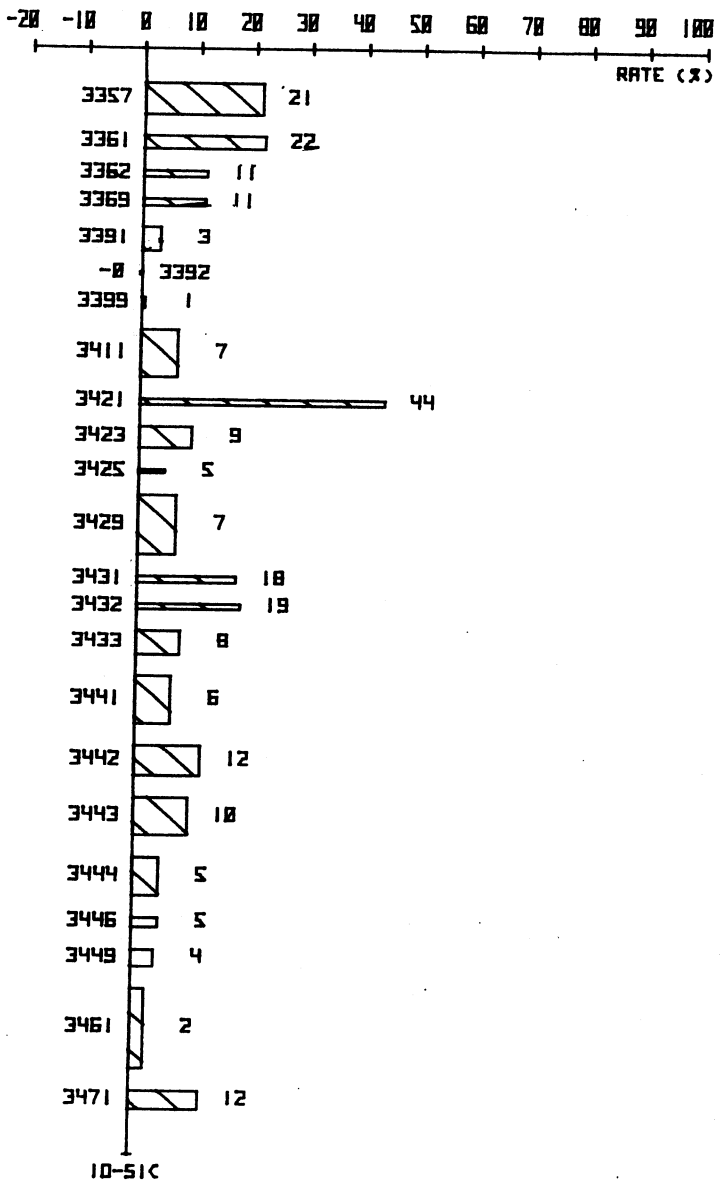
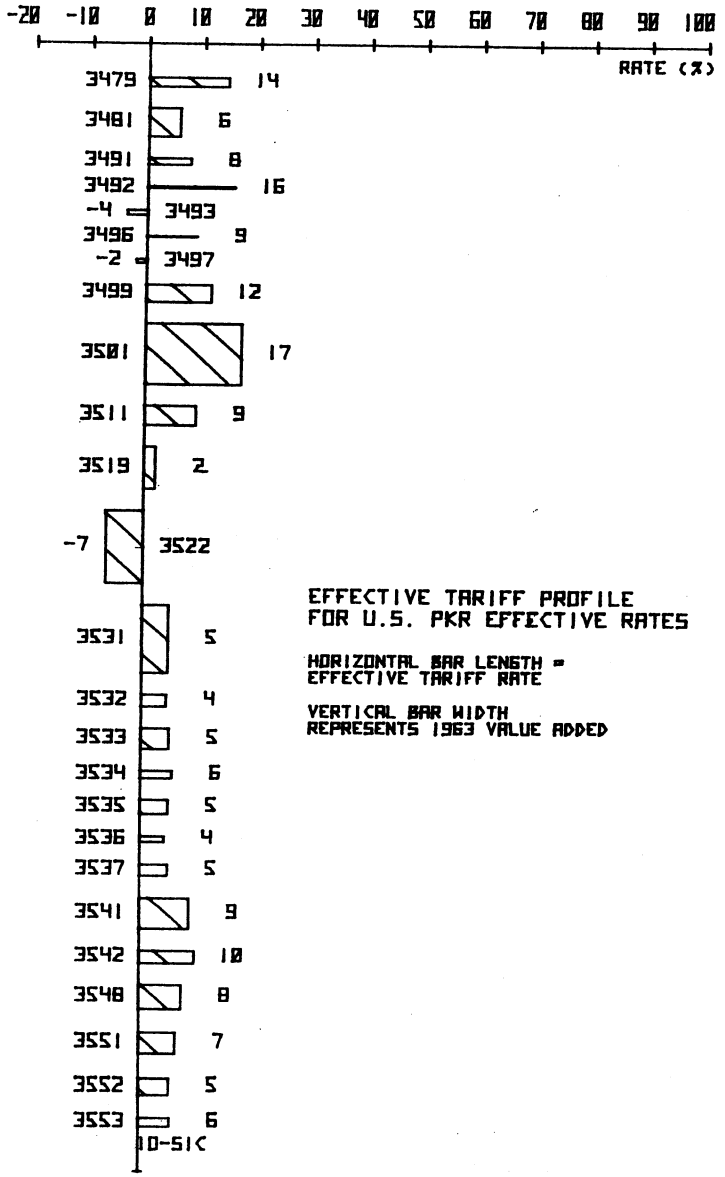


CHART 3--Cont.

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



EFFECTIVE TARIFF PROFILE
FOR U.S. PKR EFFECTIVE RATES

HORIZONTAL BAR LENGTH =
EFFECTIVE TARIFF RATE

VERTICAL BAR WIDTH
REPRESENTS 1963 VALUE ADDED

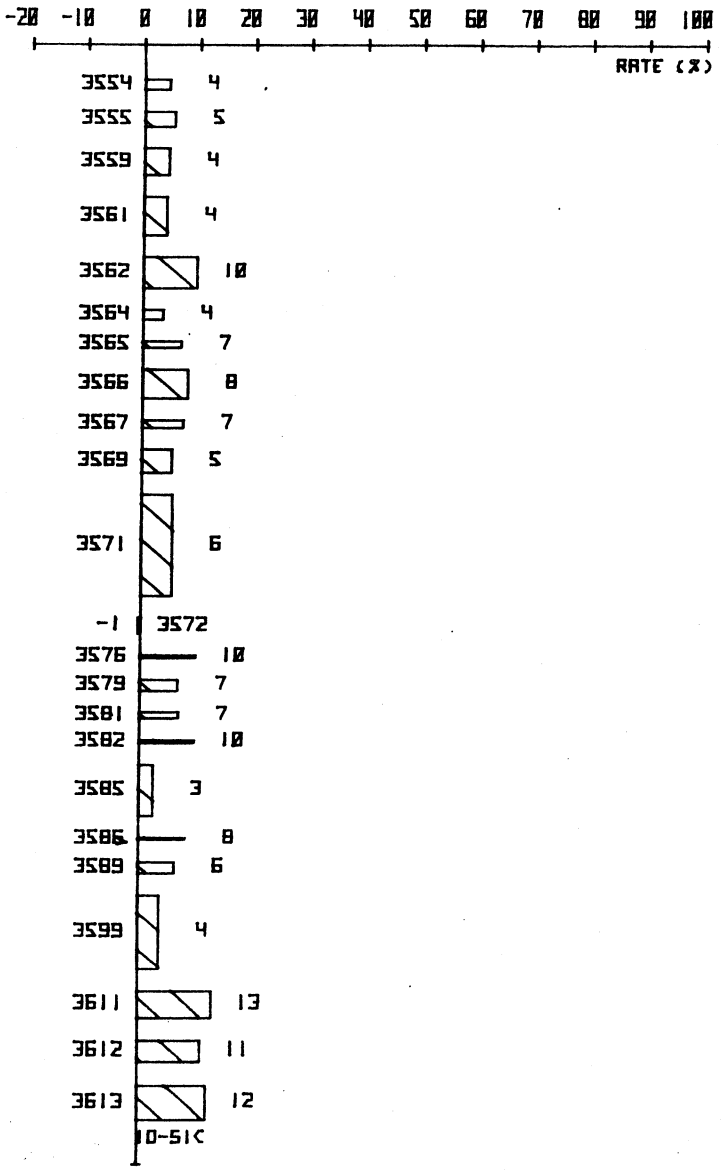
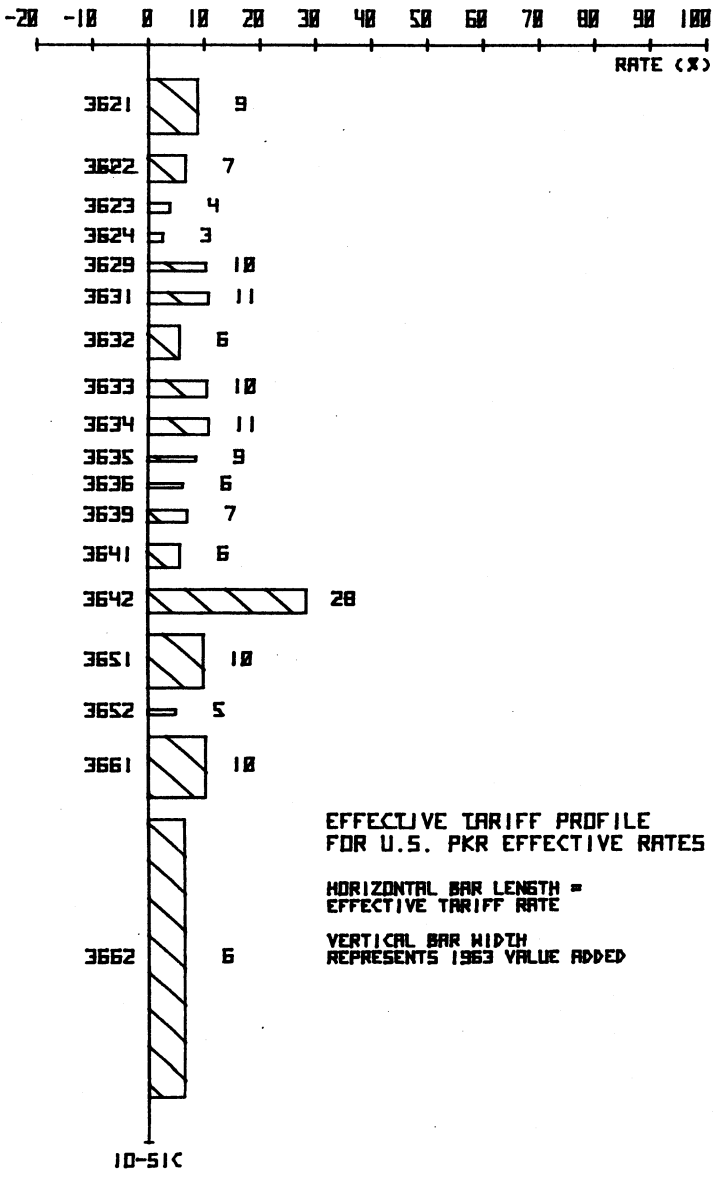


CHART 3--Cont.

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



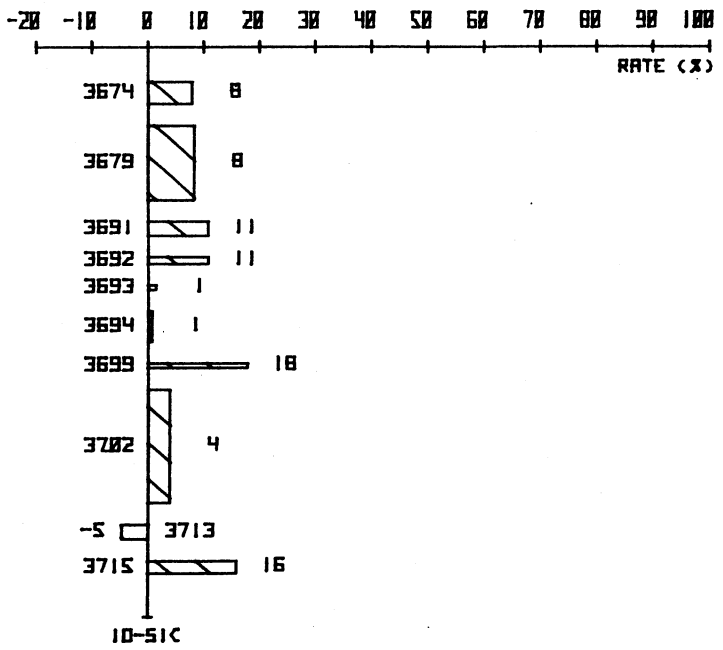
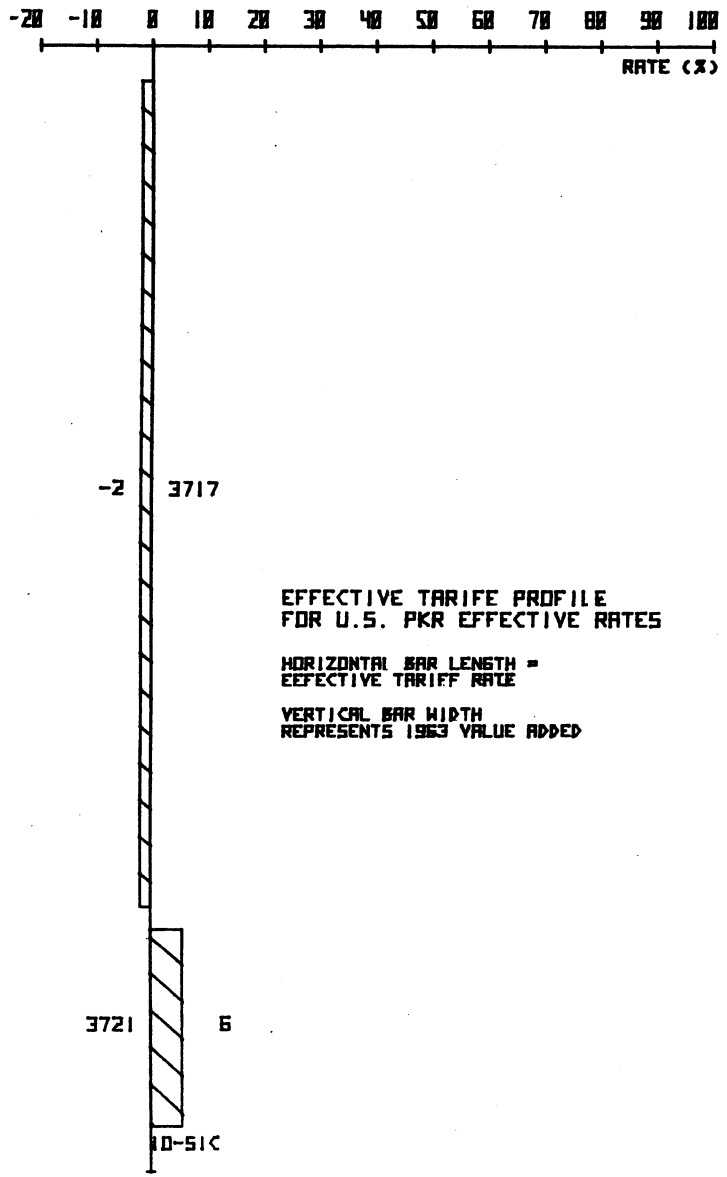


CHART 3--Cont.

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



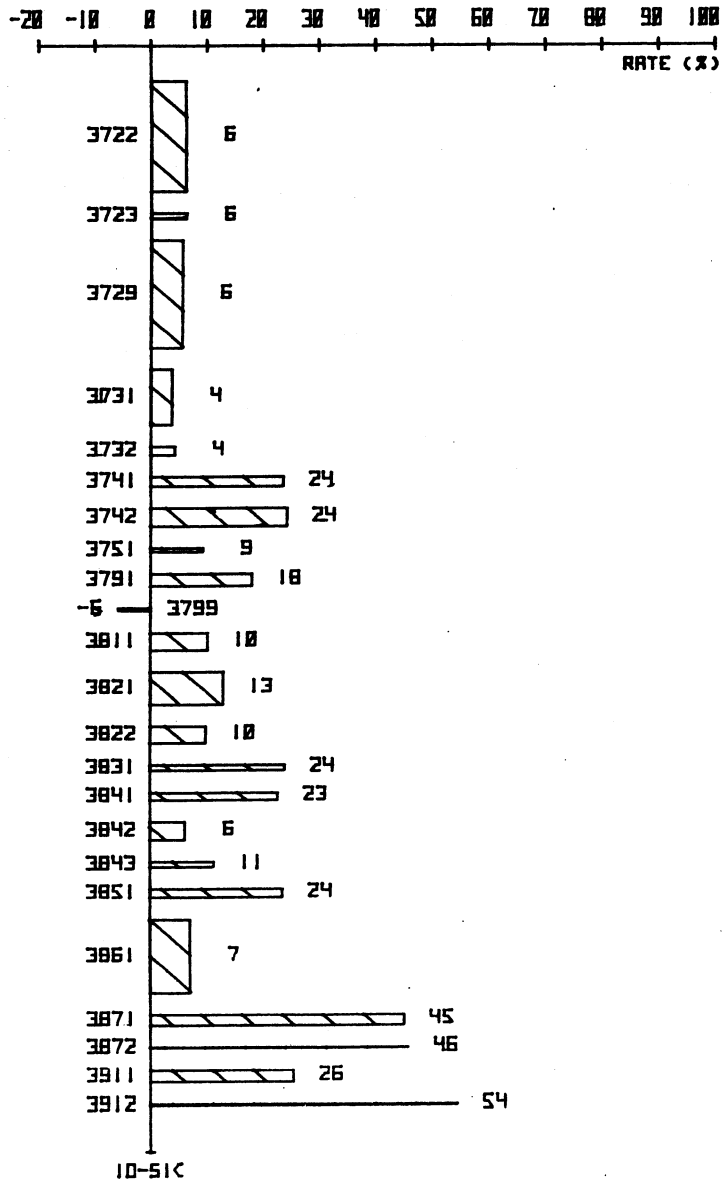
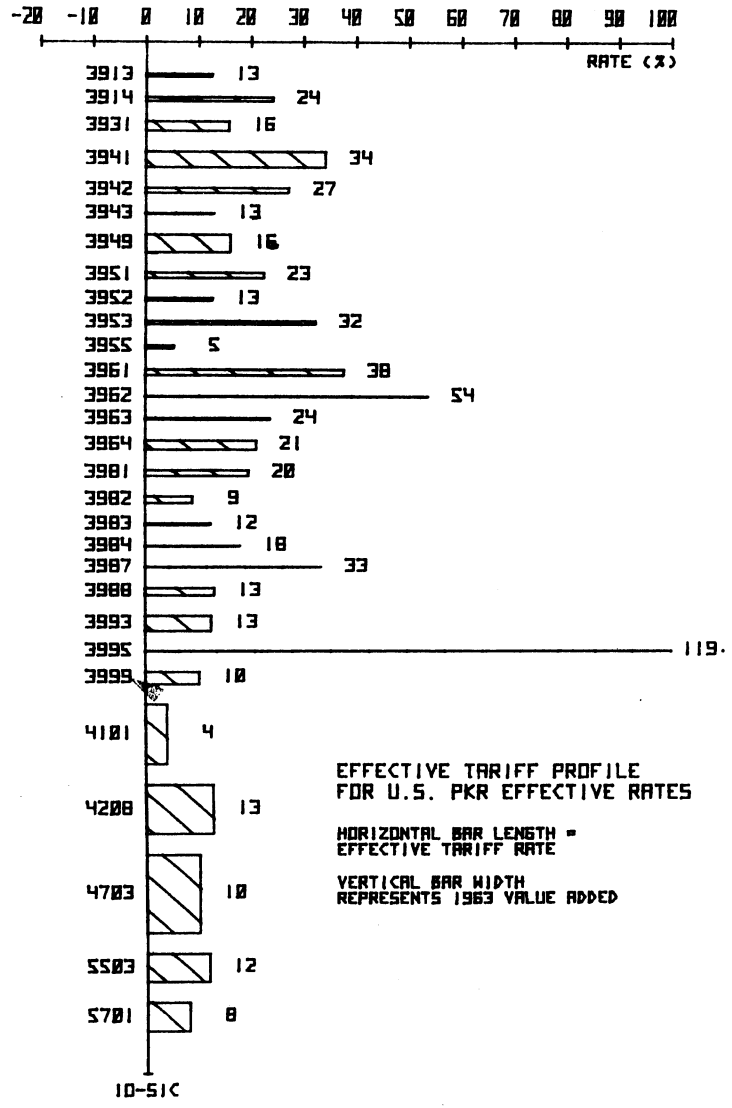


CHART 3--Cont.

Effective tariff profiles for Post Kennedy Round (PKR) effective tariff rates for the United States



Source: The U.S. PKR effective tariff rates are from table 8, column 7. The 1963 value-added weights representing the bar width are from the 478 sector input-output table for the United States.

Note: To the extent that value-added has grown roughly proportionally in all sectors of the economy, the 1963 value-added weights are rough approximations for sector sizes in later years.

A bar to the left of the origin indicates a negative average effective tariff rate for the sector. The sectors shown are those producing traded goods. It should be noted that sectors which do not produce traded goods also have effective tariff rates.

A crude interpretation of the shaded area of a bar would be that it represents the amount of subsidy received by the factors of production in a sector because of the tariff structure. The area of a bar to the left of the origin represents the net loss incurred by factors of production in that sector beacuse of the tariff structure.

CHART 4

Bar graphs of the differences between U.S. and foreign average effective tariff rates

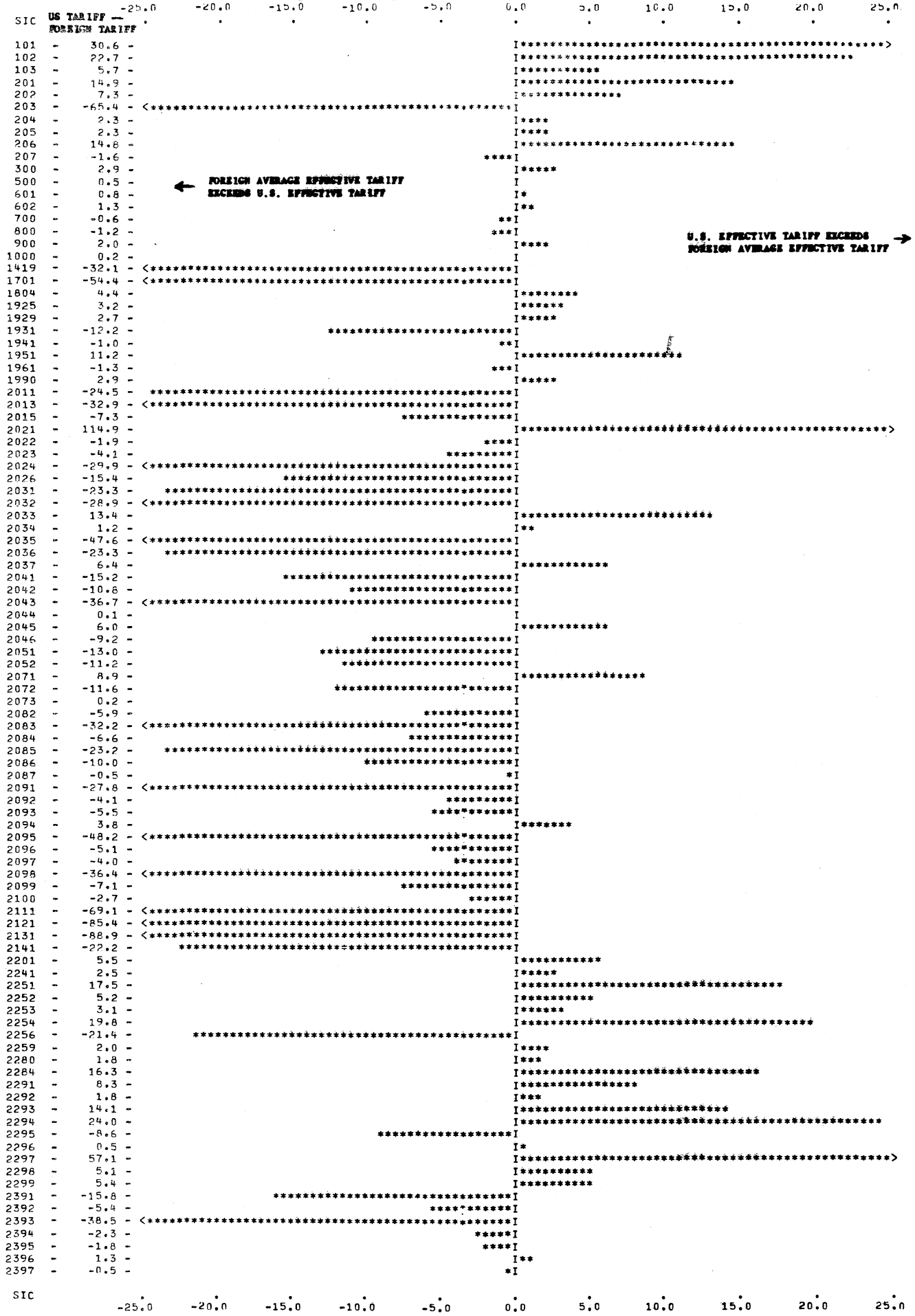


CHART 4--Cont.

Bar graphs of the differences between U.S. and foreign average effective tariff rates

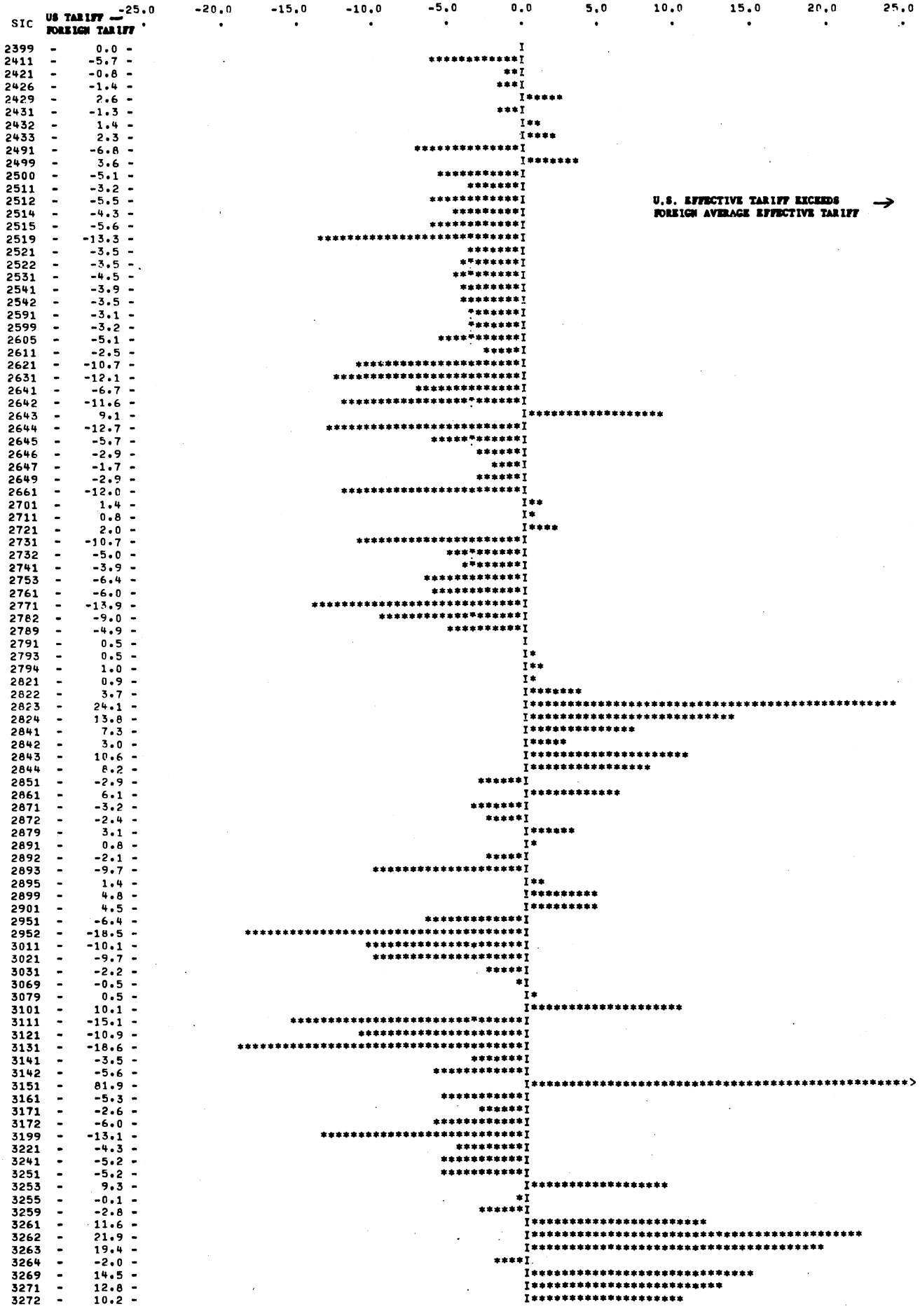


CHART 4--Cont.
Bar graphs of the differences between U.S. and foreign average effective tariff rates

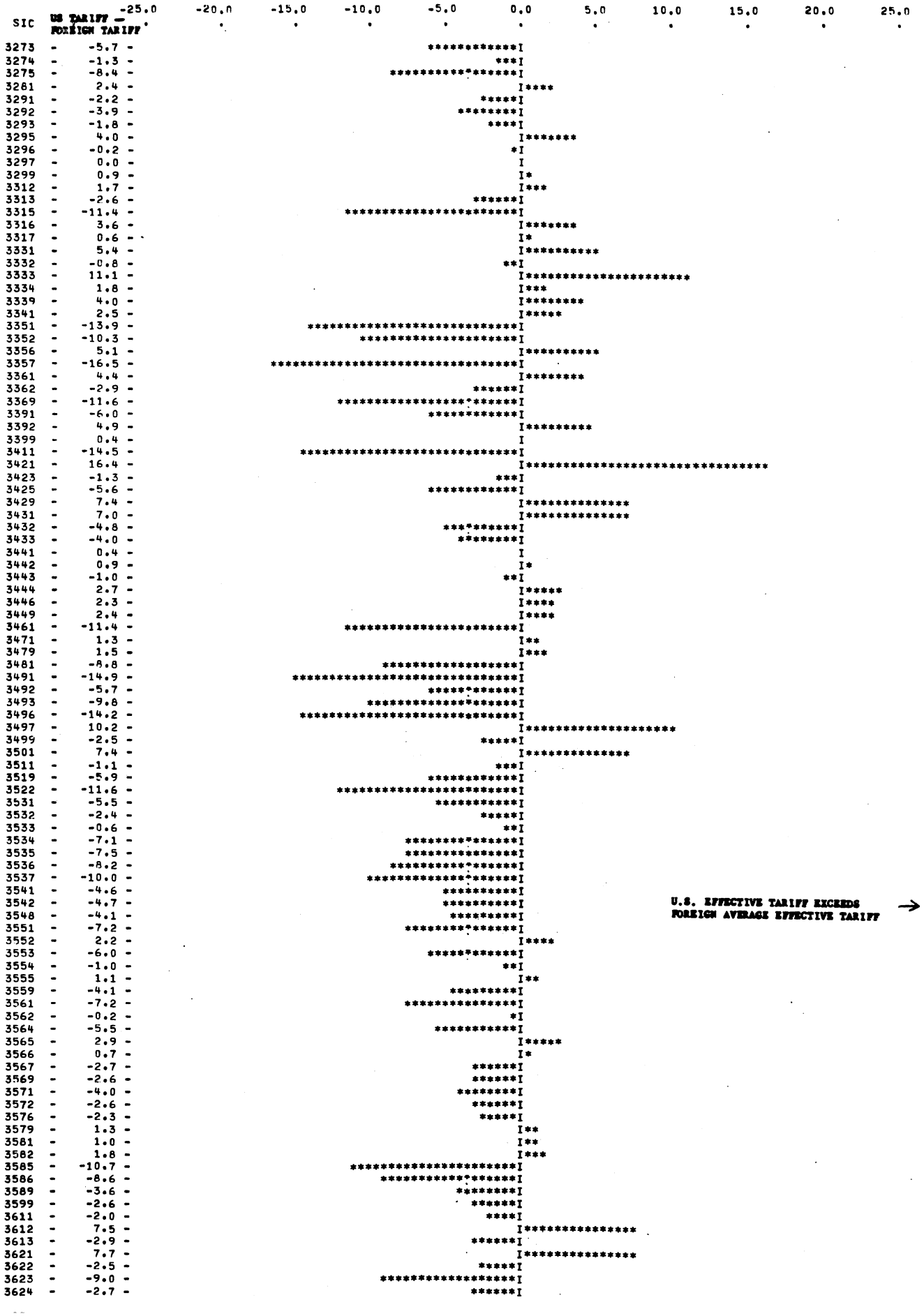
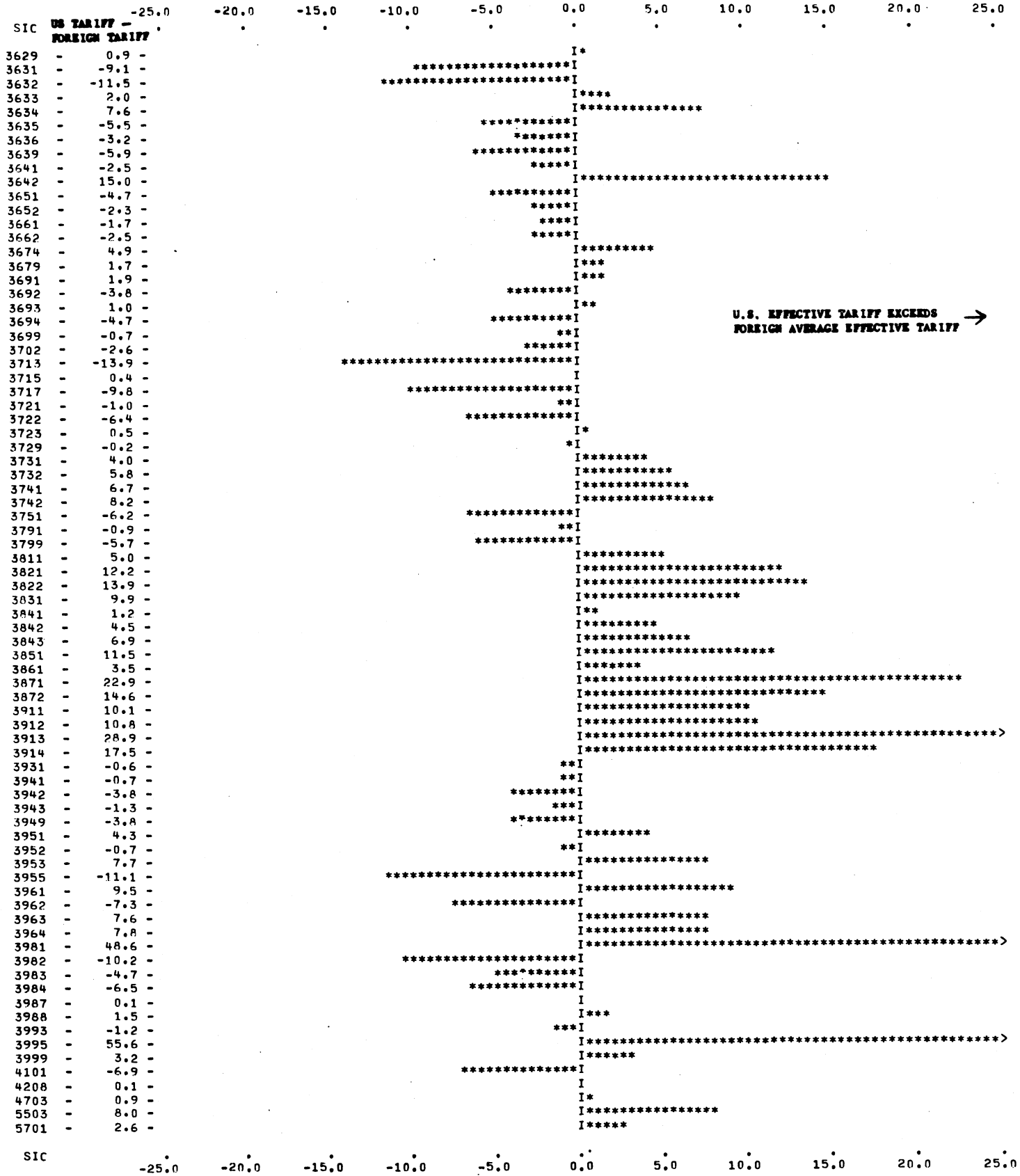


CHART 4--Cont.

Bar graphs of the differences between U.S. and foreign average effective tariff rates



Source: The U.S. and foreign average effective tariff rates from which the difference was derived come from columns 8 and 13 respectively, of table 10.

Table 13.--Overall averages of nominal and effective tariff rates for the United States

Year	Using import weights on nominal tariffs		Using unweighted nominal tariffs	
	Nominal	Effective	Nominal	Effective
	Percent	Percent	Percent	Percent
1965	6.9	8.1	7.8	9.2
1970	5.7	7.6	6.1	6.7
PKR	5.1	5.4	5.2	5.6

Source: Compiled at the U.S. International Trade Commission from data in tables 8 and 10.

Note.--Nominal rates were aggregated over 470 sectors using 1963 total shipment values from the input-output table. Effective tariff rates were aggregated by using versions of 1963 free-trade value added from the tables. The use of a single 1963 free-trade value added figure for aggregation was not the best procedure from a theoretical point of view, but after eliminating several anomalies from the input data, satisfactory averages were derived.

PART III

TOWARDS MEASUREMENT OF COMPARATIVE ADVANTAGE

An interesting question for trade negotiations is "wherein lies U.S. comparative advantage (CA) in international trade?" A theoretically and empirically sound ranking of all sectors of the U.S. economy by their comparative advantage would greatly aid policymakers in rational choices of negotiating strategy. The ultimate goal should be an operable model which would predict the costs of and the benefits from proposed changes in the protection structure of both the United States and its trading partners. 1/

This section presents a model (based on the effective tariff concept) which points to some crude comparative advantage measures that would add to the usefulness of effective tariff rates. 2/ The model is a step towards the construction of something more general; it forces researchers to face up to the data and methodology problems that would come with a more useful predictive model.

1/ An example of such a model of a linear programming type is presented by Evans for Australia in Effective Tariff Protection, op. cit.

2/ The model is found specifically in the following three sources:

1. Findlay, R. "Comparative Advantage, Effective Protection, and the Domestic Resource Cost of Foreign Exchange," Journal of International Economics, I (May 1971), pp. 189-204.

2. Kemp, M., The Pure Theory of International Trade, Prentice-Hall, Englewood Cliffs, N.J., 1964.

3. Roningen, Effective Tariff Protection, op. cit.

The more complicated models, such as the Evans one mentioned previously, add complexity and a dynamic formulation.

The Findlay article (ref. above) and others have shown that effective tariff rates come close to measuring comparative advantage in a static sense under certain conditions.

The chief benefits of the model are that it forces an operational definition of comparative advantage and that it combines data from various sources in a logically sound framework. The variables in the model are defined below:

Let:

Vi=value-added per unit output per year in the i'th industry
Wi=wage per employee per year in the i'th industry
ri=rate of return (%) to capital in the i'th industry
Li=employees per unit output per year in the i'th industry
Ki=physical capital per unit output in the i'th industry

If Vi is defined as it is in Part II, then $Vi = riKi + wiLi$

A useful set of variables is the ratios Ki/Vi and Li/Vi. They give the amount of capital (in $) and the number of employees required to produce a dollar of value-added in the i'th industry in a year. These two numbers measure a year's resource requirements for a dollar's value added at observed prices (which are embedded in Vi, $Vi = P_i - \Sigma_j a_{ij} P_j$ from Part II). 1/

The capital and labor requirements can be plotted on a graph for comparison between sectors. If employees were all receiving the same wage and capital were earning the same return in most industries, then $ri = r$ and $wi = w$ and $Vi = rKi + wLi$ for most industries. This would mean that most points would lie on the straight line shown in Figure 1.

A point such as the one for the i'th industry would lie on the line AB if its factors were earning w and r. If a point were at s,

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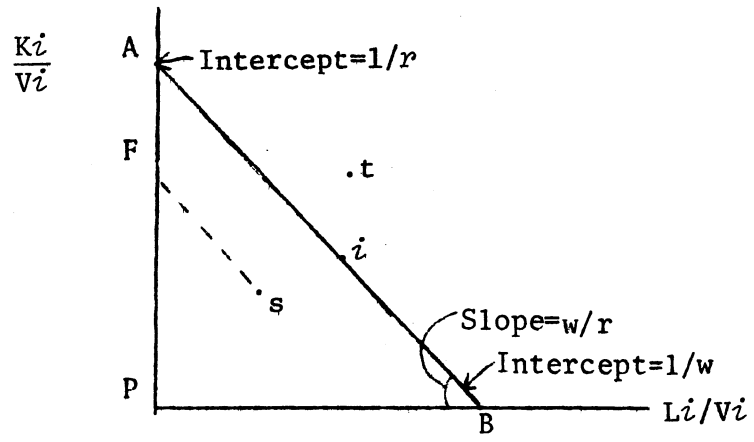
1/ Practically, prices and value-added in these calculations are averages of the actual prices and amounts of value added accompanying the many products produced in a sector.

Figure 1

Capital and Labor Requirements Per Unit Value-Added



such an industry would be using less factors (capital and labor) to produce a dollar of value added. It would therefore be more efficient and its factors would earn $wi>w$ or $ri>r$ or both.

An industry at point t would take more factors to produce a dollar of value-added and hence would be less efficient than a point on the line AB. Either its employees would receive a lower wage or its investors would receive less profits or both. To the extent that resources are mobile over time, they would want to transfer from such industries to those such as i or s where they would earn more.

If some industries (such as s) were not on line AB, the use of the ratio w/r could be used to convert labor into capital units and sum them to FP, a measure of total factors used per dollar of value-added at average or "overall" relative factor prices. Thus, the distance FP would be a total factor cost measure, and its reciprocal could be defined as a measure of Comparative Efficiency(CE) for the sector "s" (1/FP≡CE). It would be the amount of value-added generated per unit factor (in capital units) in an industry at the average relative rate of factor return. It could be compared with CE measures in other sectors. Such a measurement assumes that capital values and numbers of employees move more slowly in time than prices and that capital and labor do move from sector to sector in response to prices as they affect their earnings. These are reasonable economic assumptions which are embedded in most economic analysis in one form or another. The model is static and therefore does not specify how fast resources will

move in response to price incentives (such information is the core of operation of a dynamic model).

The CE measure is not only one of relative efficiency between domestic industries, but it is also the only one of relative comparative efficiency in traded goods. If all output is tradeable, then a dollar earned (from adding value to any product) can be spent on any import at the given exchange rate. 1/ It is obvious that factors in industries such as s, because they use less of themselves to earn a dollar and thus a dollar's worth of foreign exchange, can buy more imports than the factors in industry t. Conversely, less factors are used to earn a dollar or a dollar's worth of foreign exchange via exports in industry s than in other industries. Hence the CE measure covers true comparative efficiency in the economic sense both in comparison of relative economic efficiency among domestic sectors and in relative efficiency in producing goods for foreign markets.

Part II showed that protected unit value-added (V) and free trade unit value-added (V^F) are related by the effective tariff rate, i.e., $Vi=Vi^F\ (1+ETi)$.

Assuming that points on the line AB in figure 1 represent an equilibrium in a protected price structure, application of the ET rate to Vi will give the free trade amount of factors needed to produce a dollar of value-added assuming protection is removed. 2/

1/ If some sector's output is not traded, the same efficiency arguments apply.

2/ This statement also involves an assumption of no relative factor price changes or non-traded goods price changes or exchange rate changes occurring when protection is removed. These assumptions must be paid some attention in terms of a more realistic model. (See Evans and Roningen, op. cit); but as a first approximation and considering measurement problems for even the simple model, these assumptions are not too restrictive.

Thus an ET rate of 100 percent would mean that $Vi^F = Vi/(1+100/100) = Vi/2$. Then twice as many resources would be needed to produce a dollar of free trade value-added. The free trade resource requirements of such a sector would be represented by a point twice as far from the origin as the protected point.

Conversion of points in Figure 1 to their free trade equivalents can be done by multiplying the protected point by one plus the ET rate. A definition of comparative advantage would then be the above comparative efficiency measure adjusted to the free trade level stated by the effective tariff rate.

Such a model gives a logical definition of comparative advantage in terms of total resource productivity and protection-caused divergencies between domestic and foreign prices. Comparative advantage so defined sounds reasonable and simple, although the measurement problems are difficult.

The Data

Various data sources were used to derive measures for the model described above and to use regression analysis in testing various hypotheses. Data variables will be simply defined in the text where necessary and will be referenced by their computerbank names. Appendix F contains sources for the variables.

The problems involved in applying data to the model described in Figure 1 are readily apparent when one looks at the scattered data points in Charts 5 and 6. Here, for most 10-SIC manufacturing sectors,

are plots of capital per unit value-added versus labor per unit value-added. Chart 5 uses data for 1967 while Chart 6 gives 1970 data. A hypothetical equilibrium line has been drawn in each graph. The intercepts were calculated using the average wage (total wage bill/total employment) and the average rate of return to capital (total value-added minus (taxes plus depreciation) minus wage bill/total capital stock). For 1967 this represented a rate of return to capital slightly over 20 percent and an average wage of about $7,000. 1/ It is evident from the charts that the observed measures are not in equilibrium. Since the data used are from standard sources and are used in most studies of trade and industrial performance, why is the scatter of points so far from the theoretical equilibrium situation?

There are two possibilities. First, the data may be incorrect; second, the model might be inadequate because it does not account for the true equilibrium (or dis-equilibrium as the case may be). Something can be said about each of these aspects.

The possibilities for data error are considerable. Capital stock estimates are not known for their reliability; indeed, the method of valuation is questionable if asset values are a strong function of returns earned. Capital here includes total values of fixed assets, estimates of rented assets, and average inventory stocks held. These data items do not originate from the same source as the labor data (number of total employees); hence there might be a category matching

1/ Only a uniform depreciation figure has been subtracted. Ten percent of fixed assets was subtracted from value-added. The intercept rates of return to capital and labor were in effect sector size weighted averages for the manufacturing sector.

CHART 5: Observed 1967 capital and labor requirements per dollar of value-added.

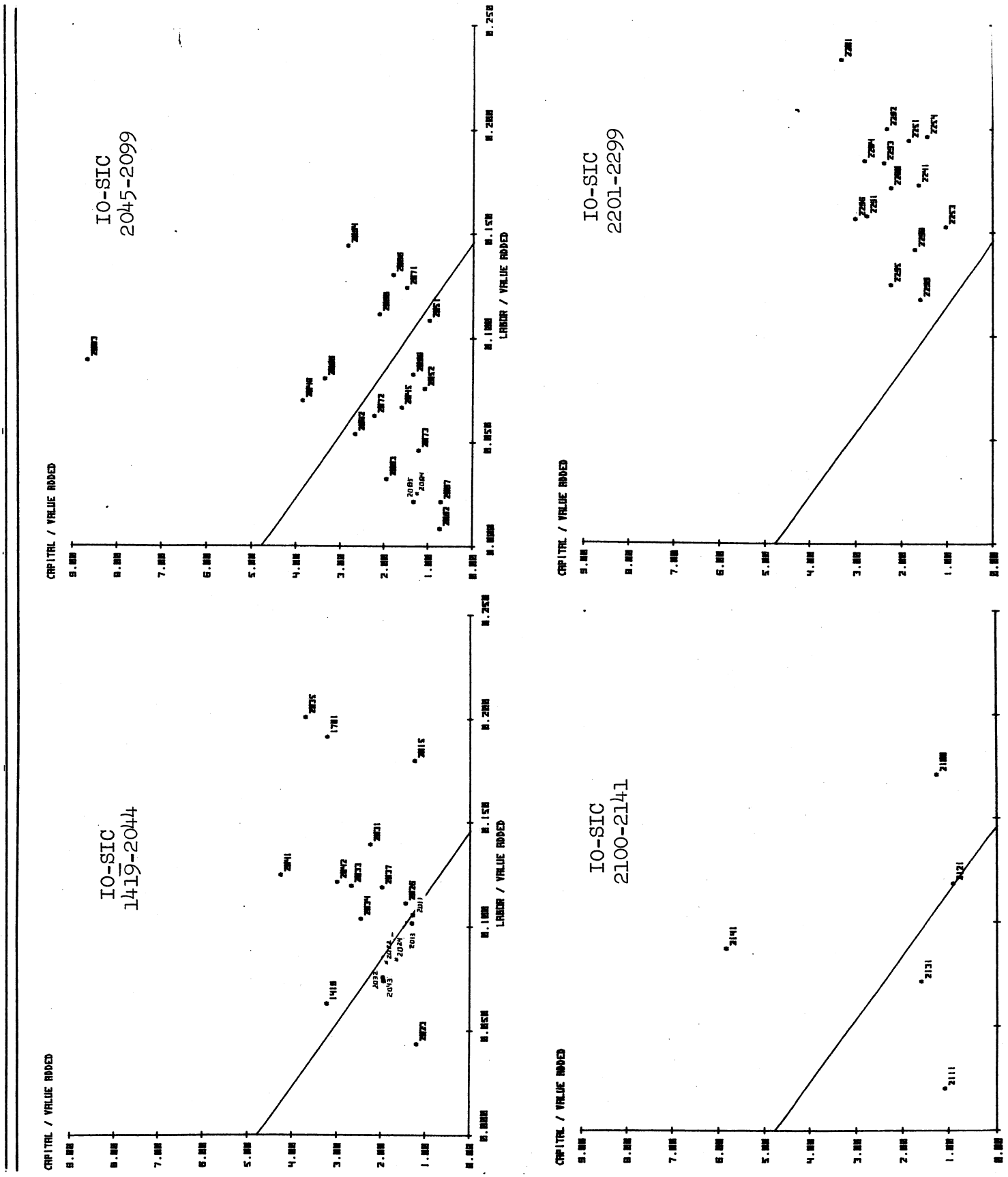


CHART 5: Observed 1967 capital and labor requirements per dollar of value-added--Continued

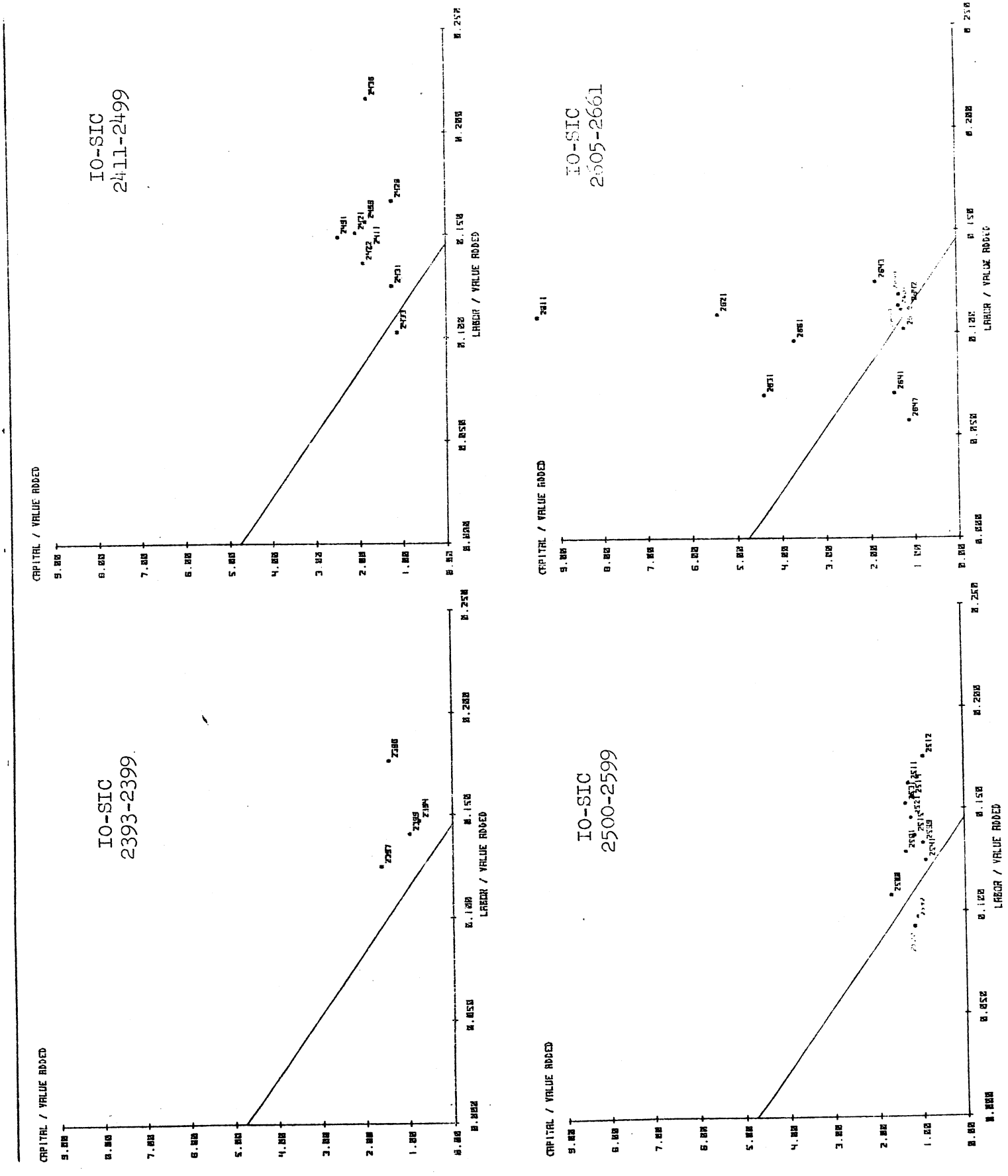


CHART 5: Observed 1967 capital and labor requirements per dollar of valued-added--Continued

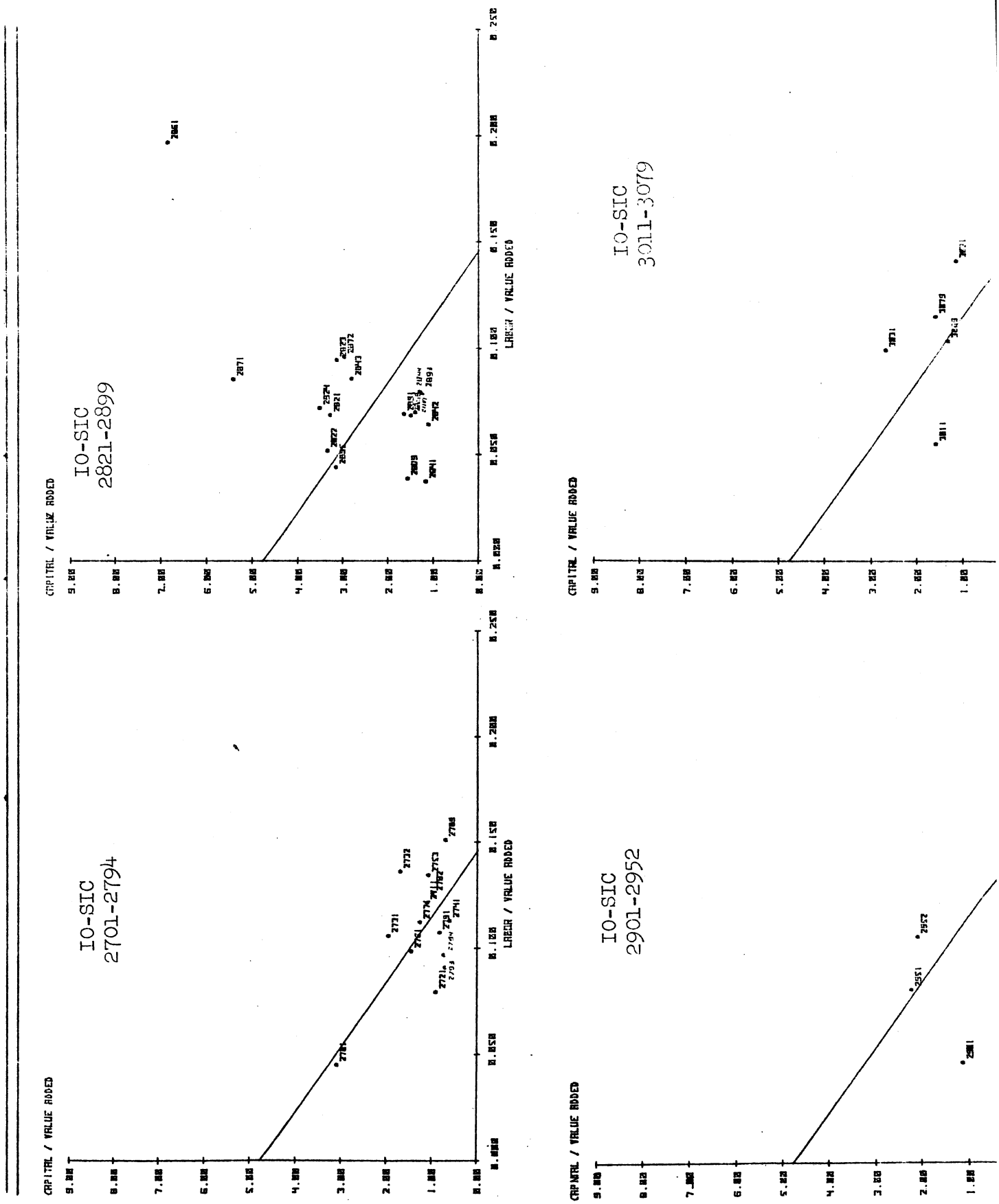
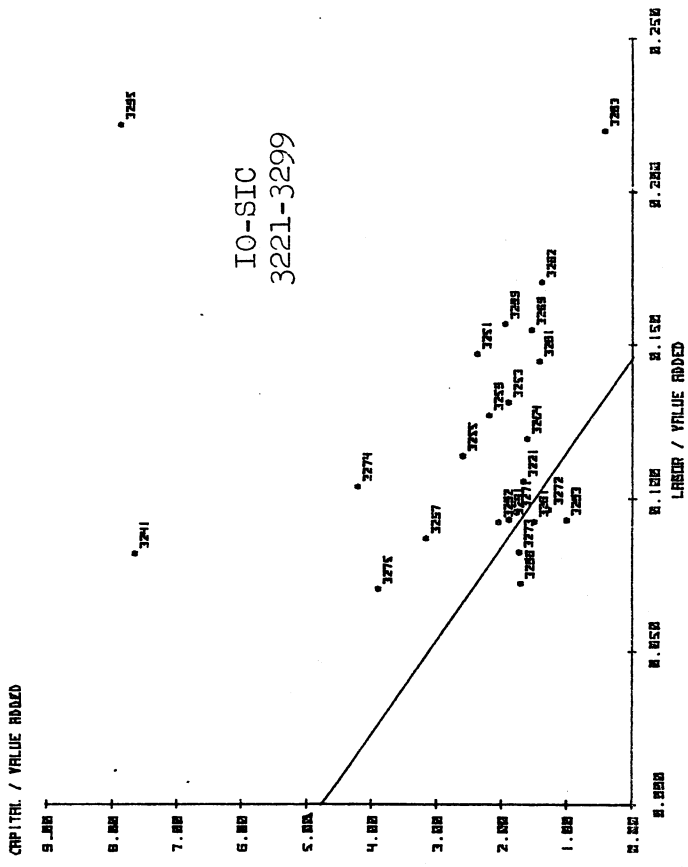
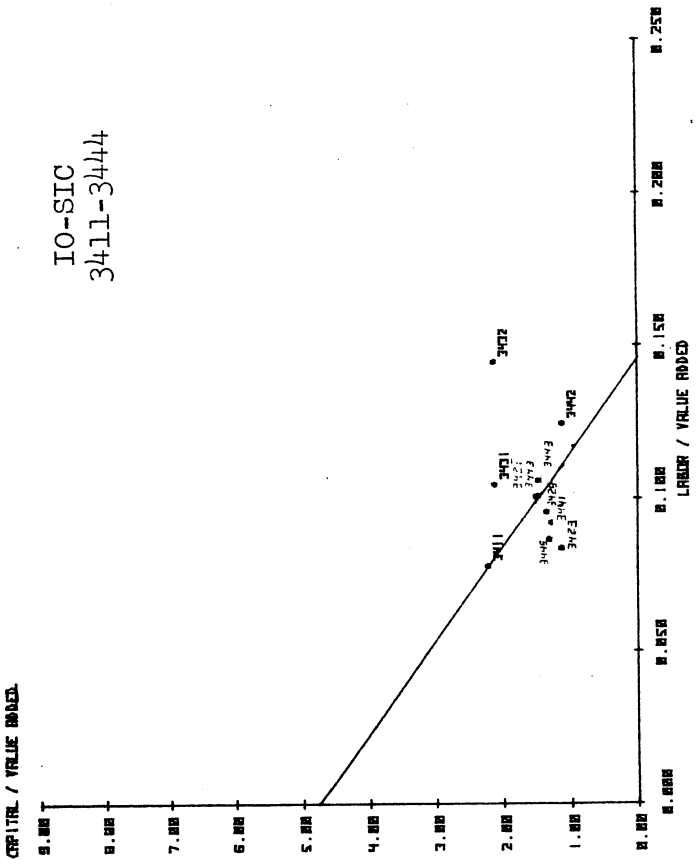
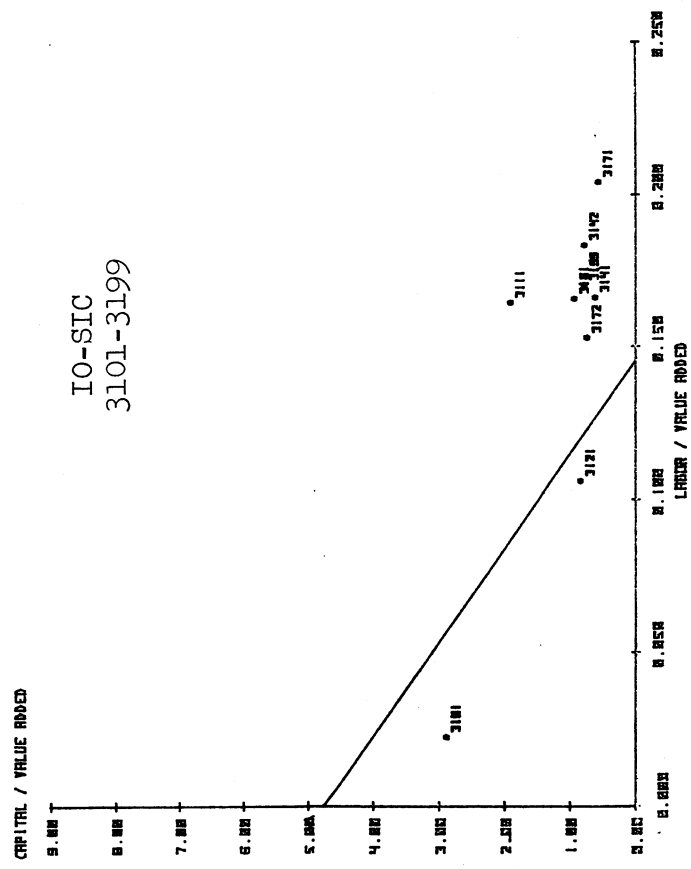


CHART 5: Observed 1967 capital and labor requirements per dollar of value-added--Continued







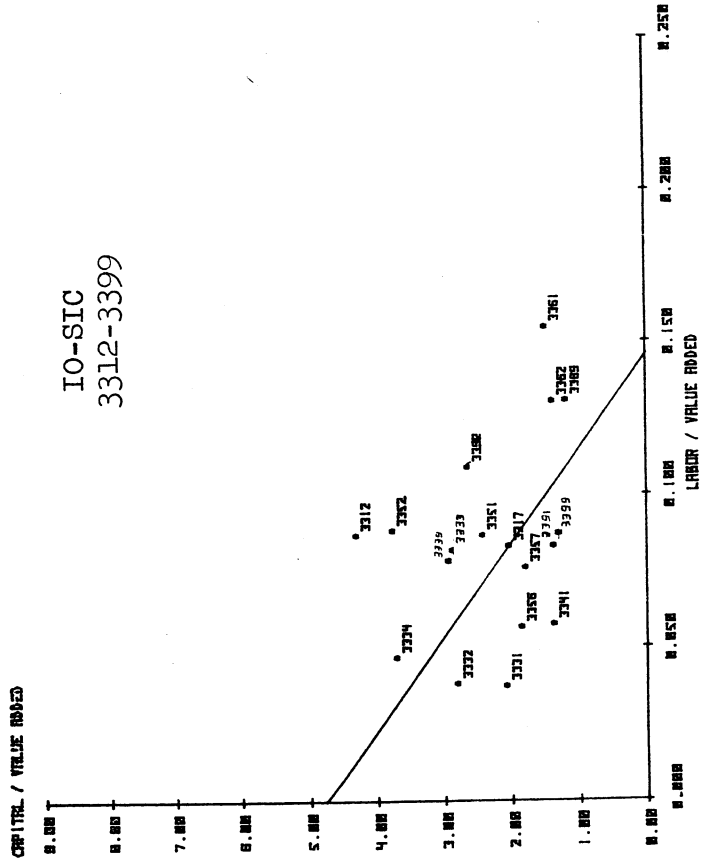


CHART 5: Observed 1967 capital and labor requirements per dollar of value-added--Continued

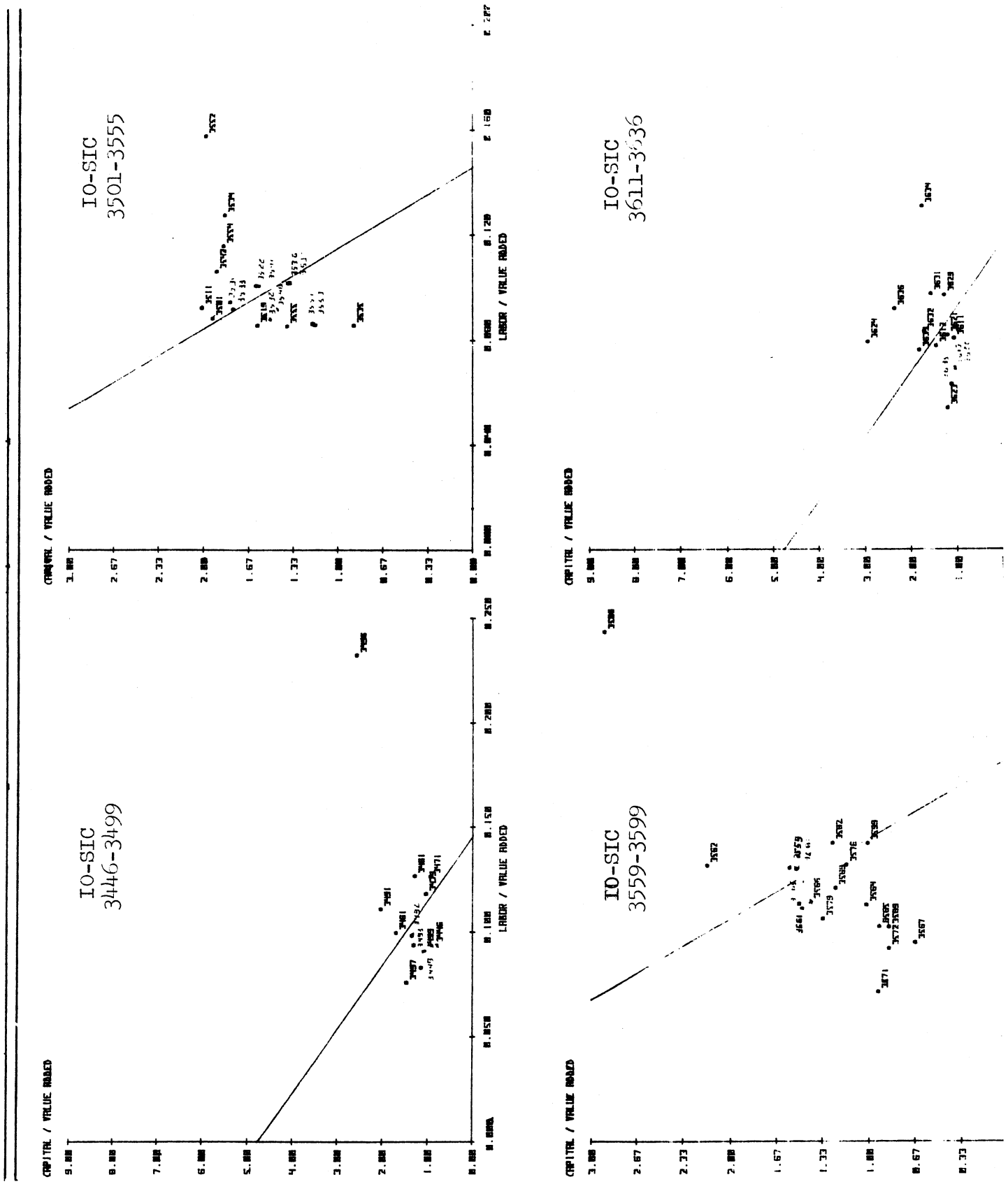
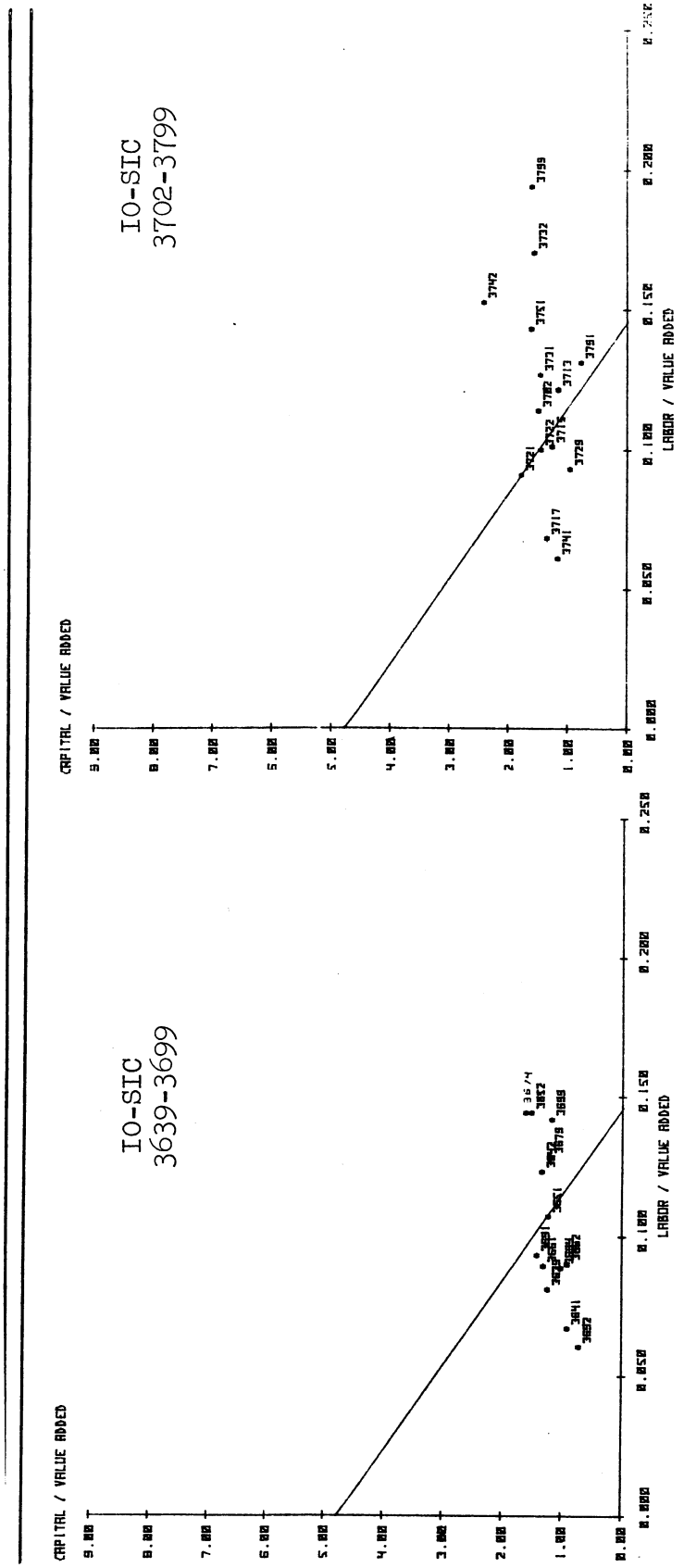


CHART 5: Observed 1967 capital and labor requirements per dollar of value-added--Continued



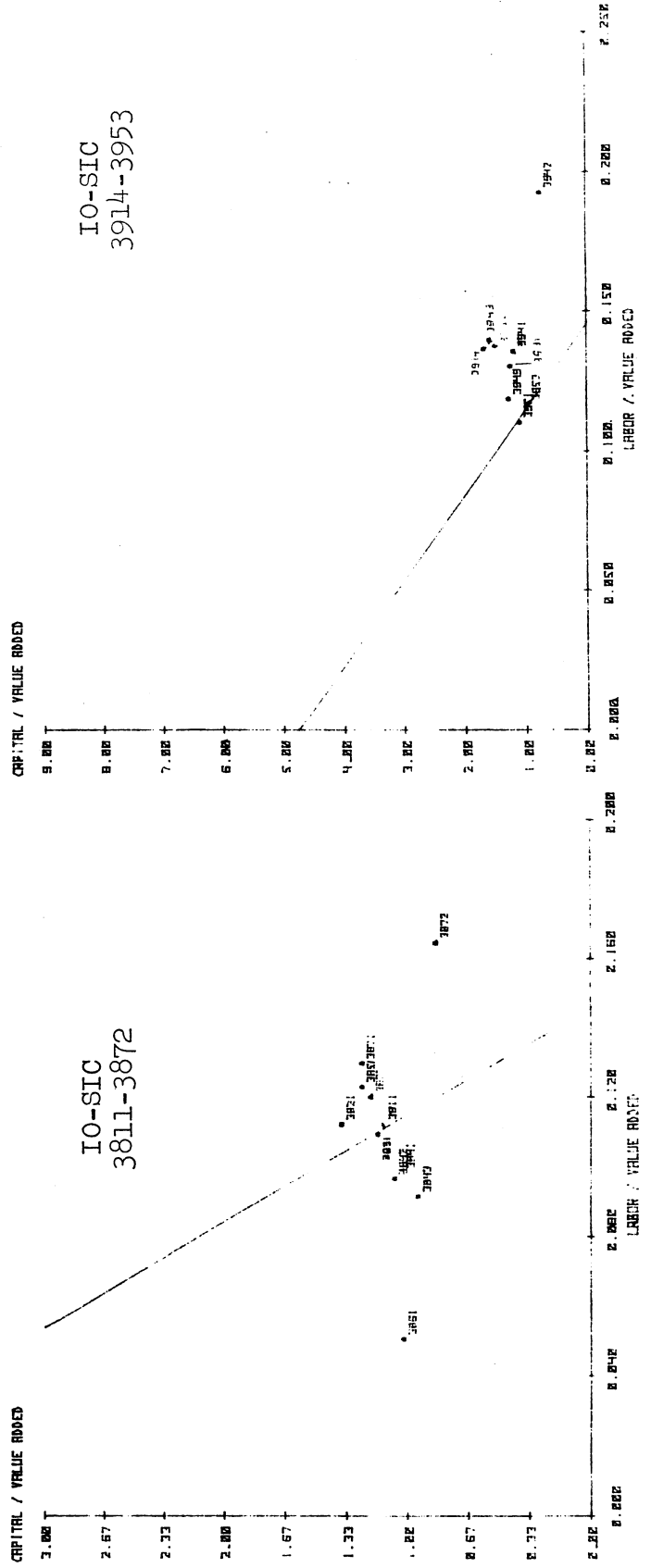
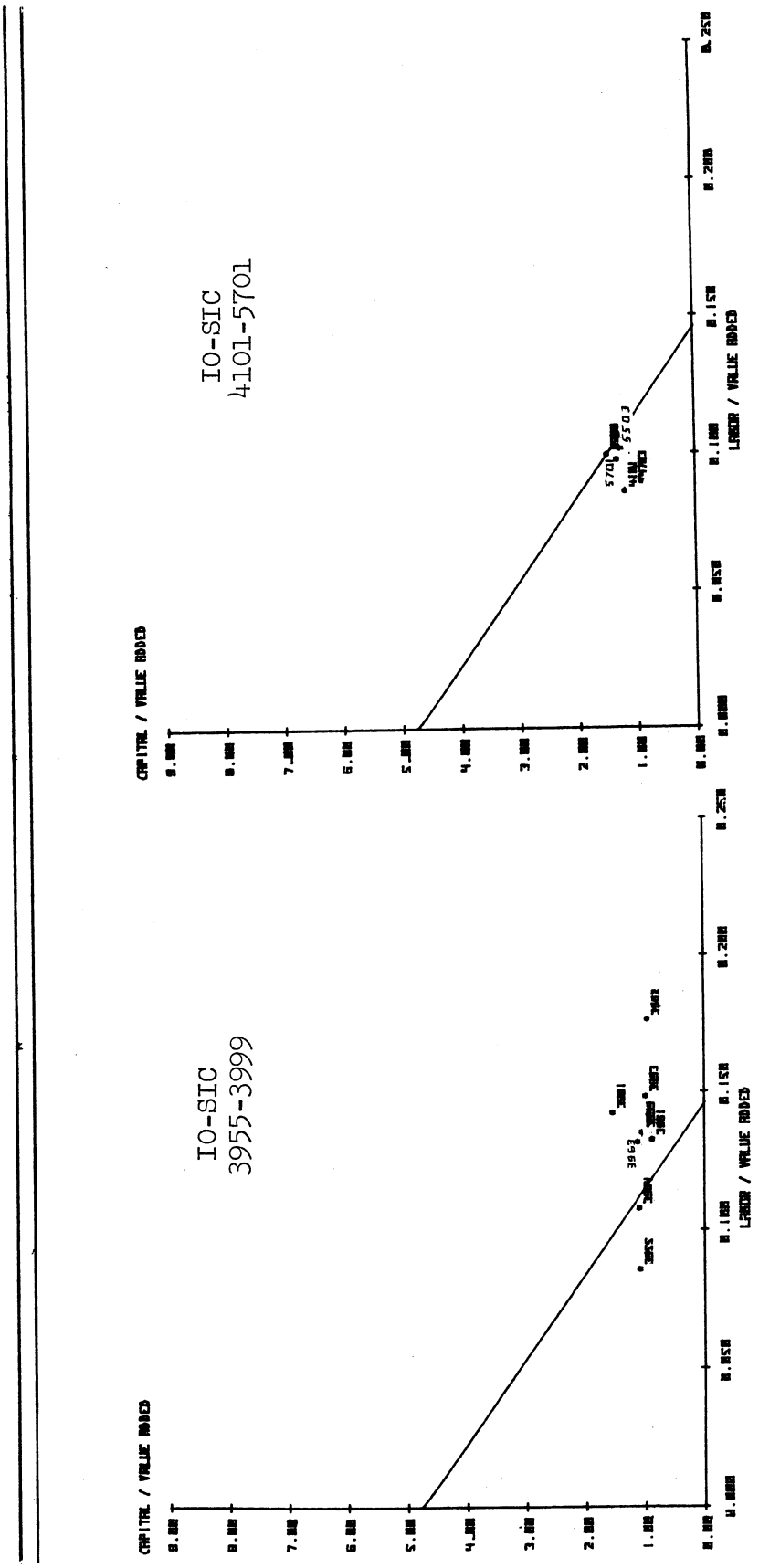
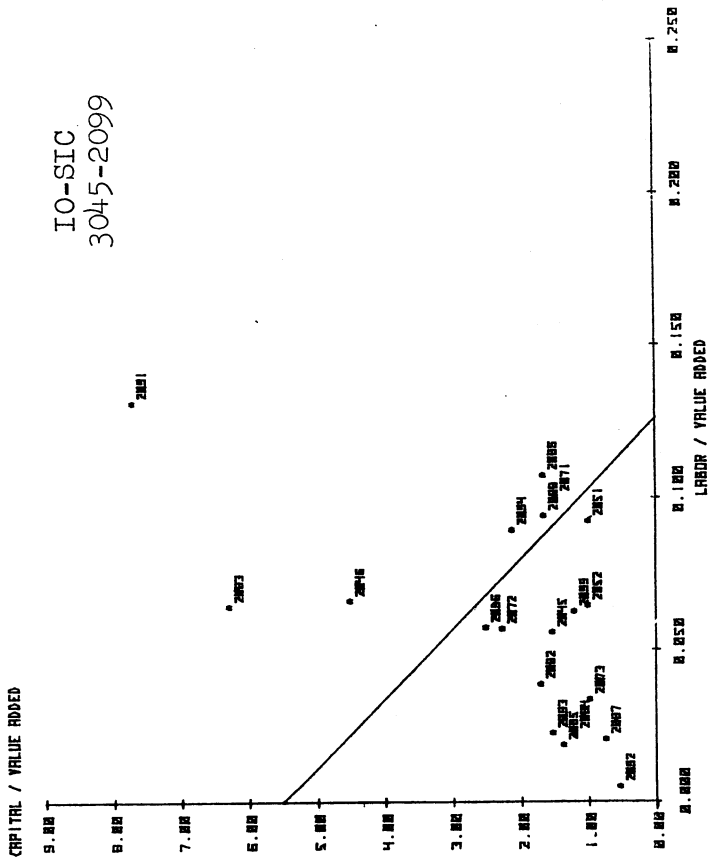
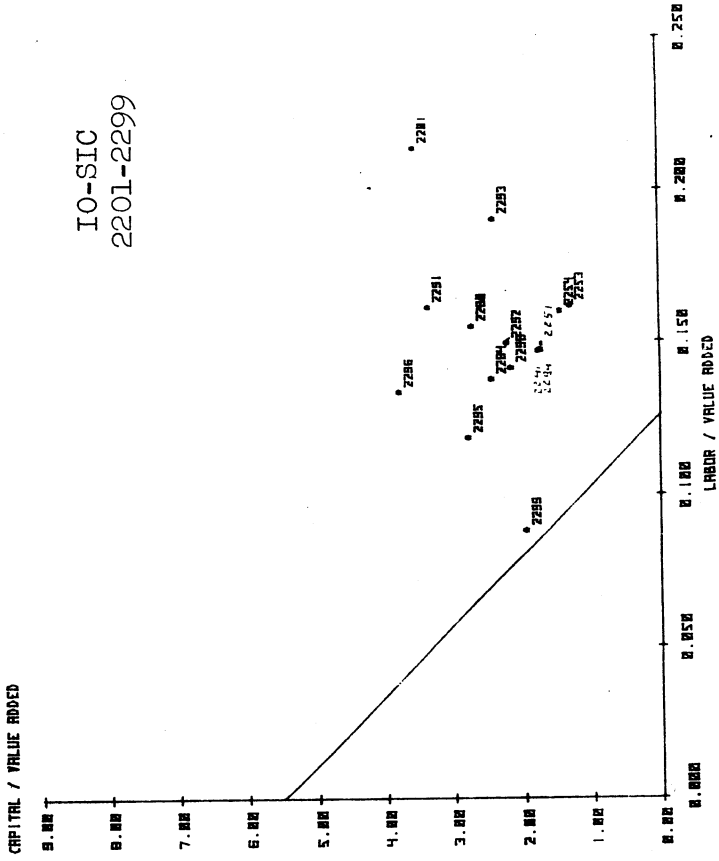


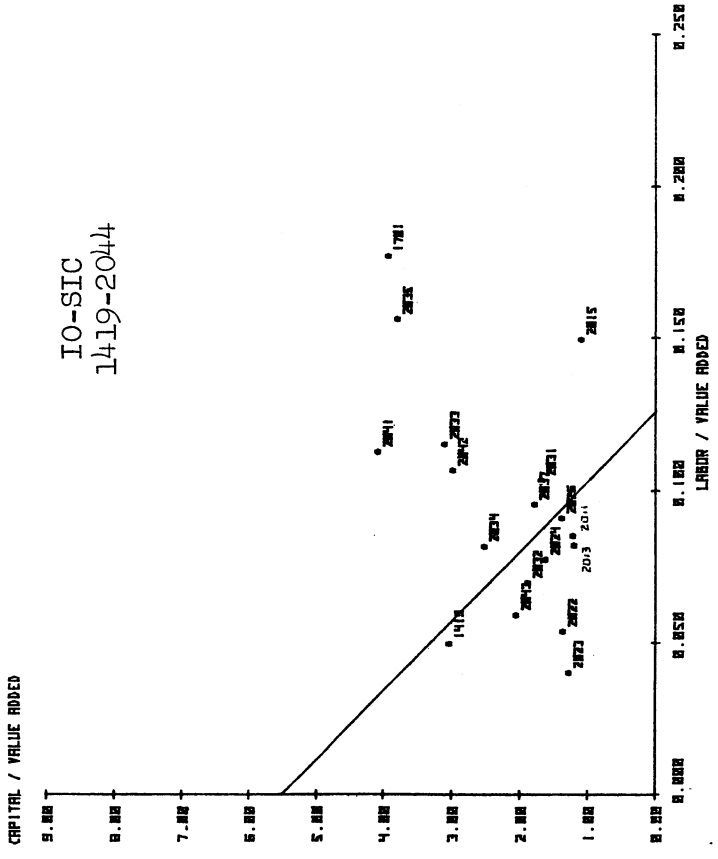
CHART 5: Observed 1967 capital and labor requirements per dollar of value-added--Cont.



ART 6: Observed 1970 capital and labor requirements per dollar of value-added.







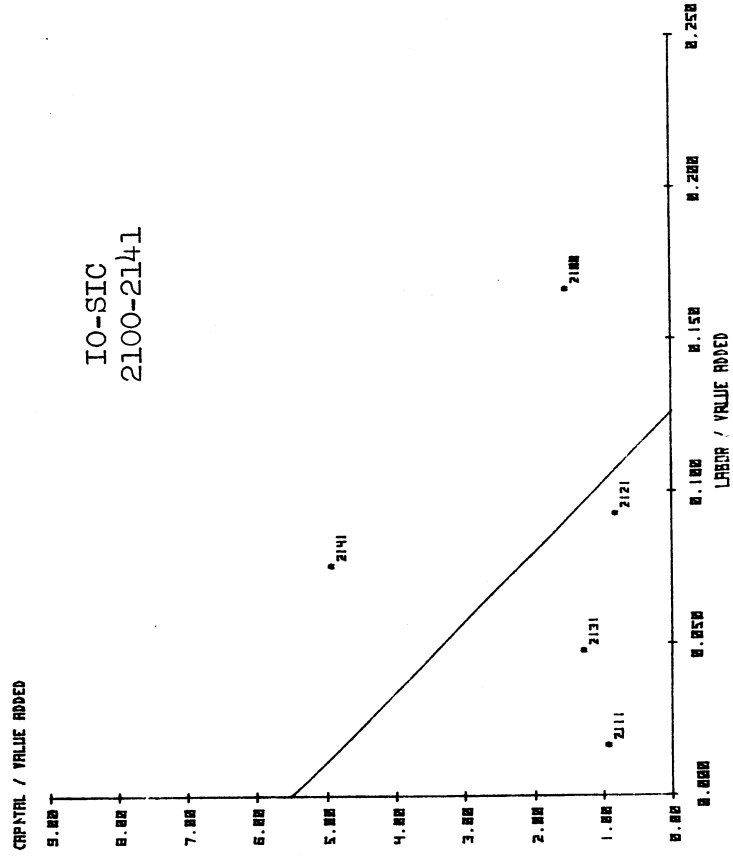


CHART 6: Observed 1970 capital and labor requirements per dollar of value-added--Continued

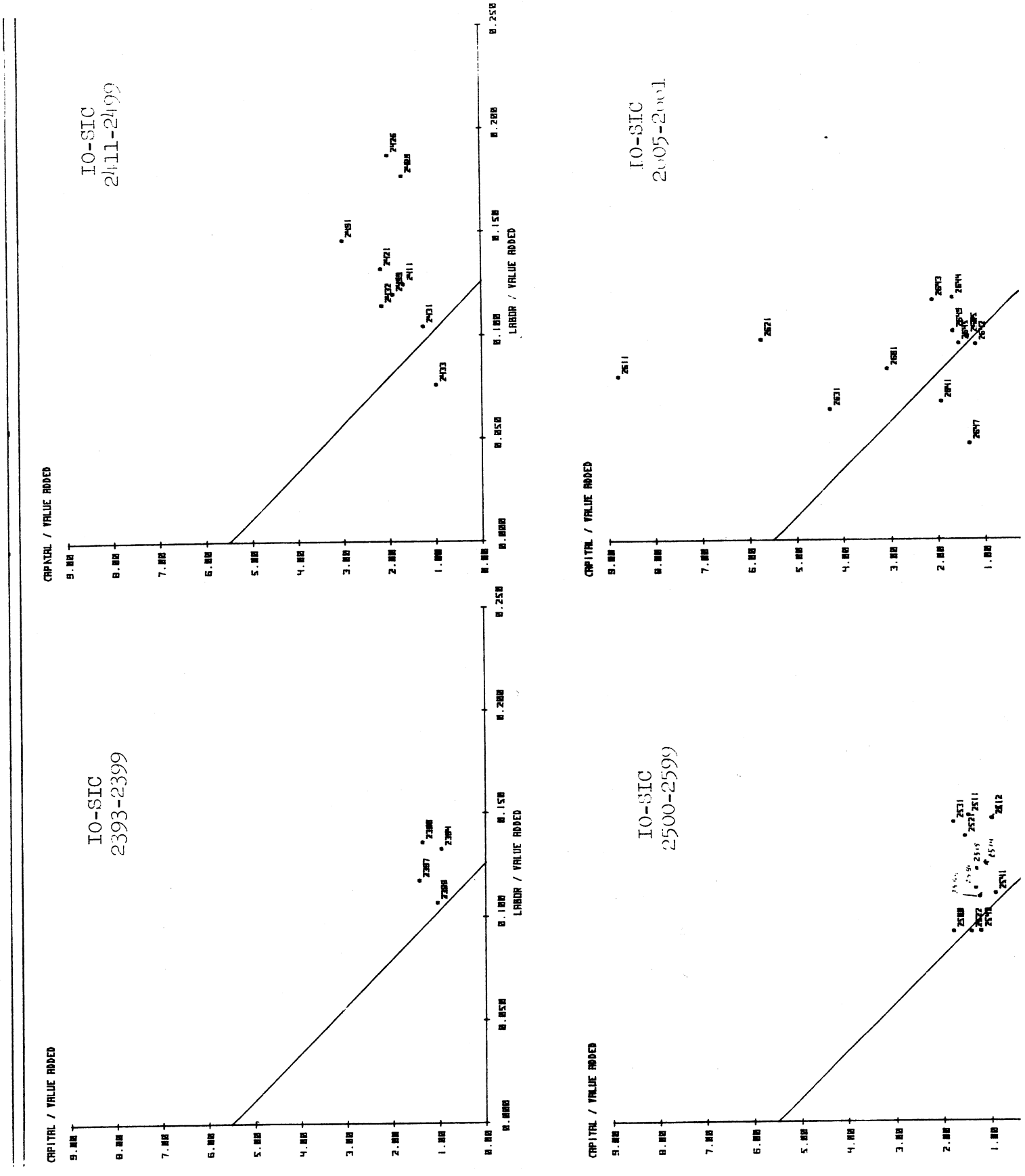


CHART 6: Observed 1970 capital and labor requirements per dollar of value-added--Continued

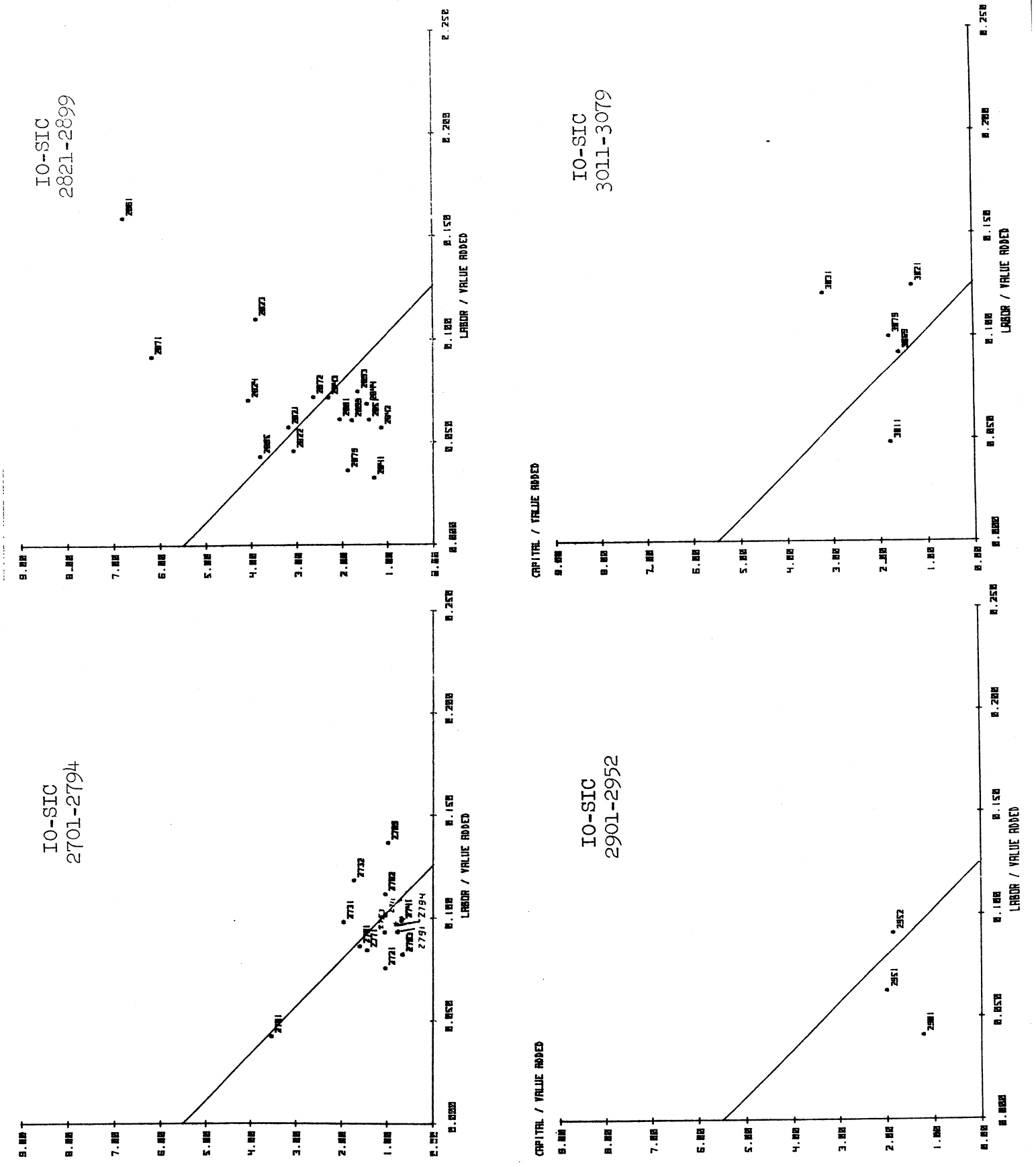


CHART 6: Observed 1970 capital and labor requirements per dollar of value-added--Continued

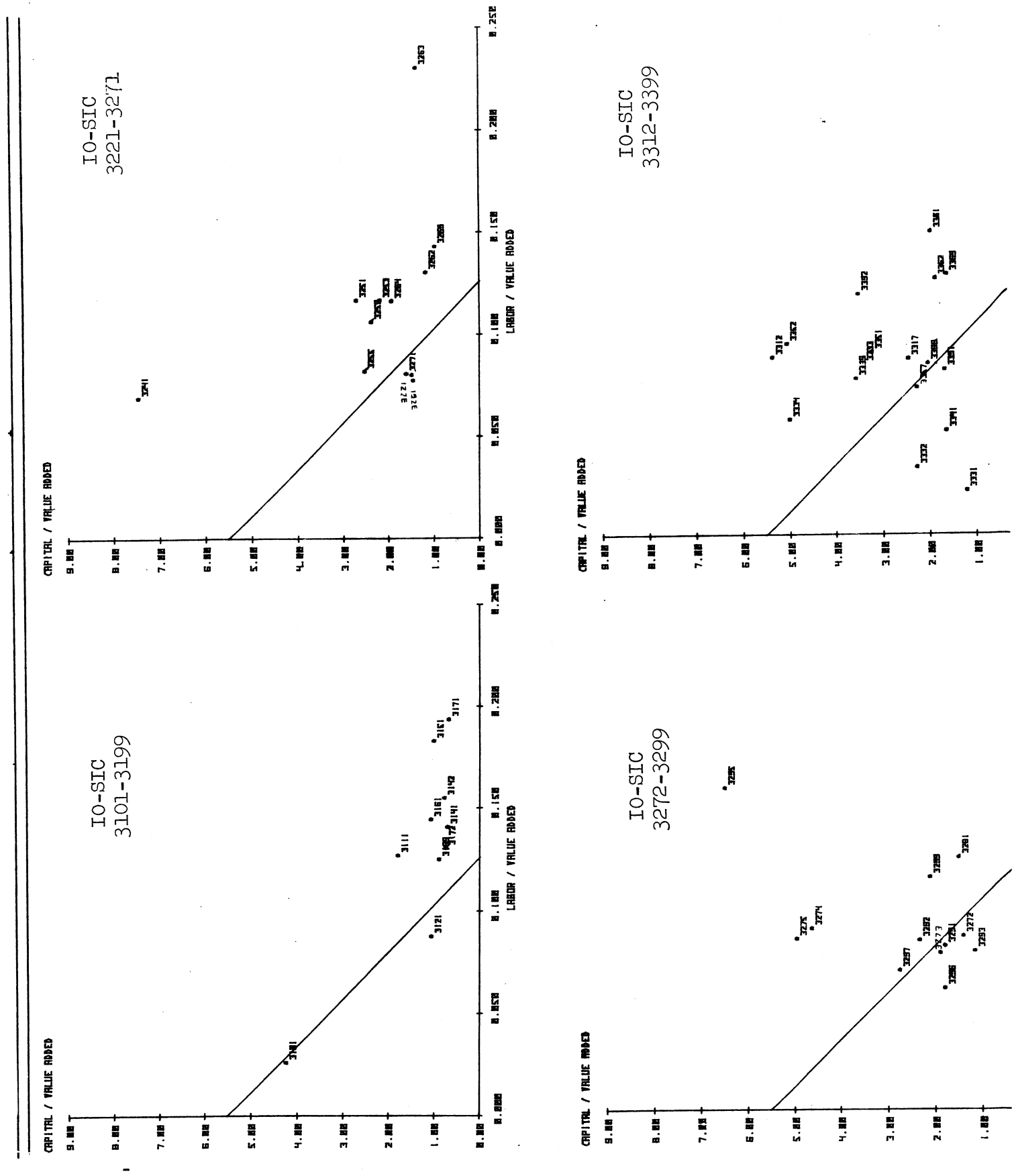


CHART 6: Observed 1970 capital and labor requirements per dollar of value-added--Continued

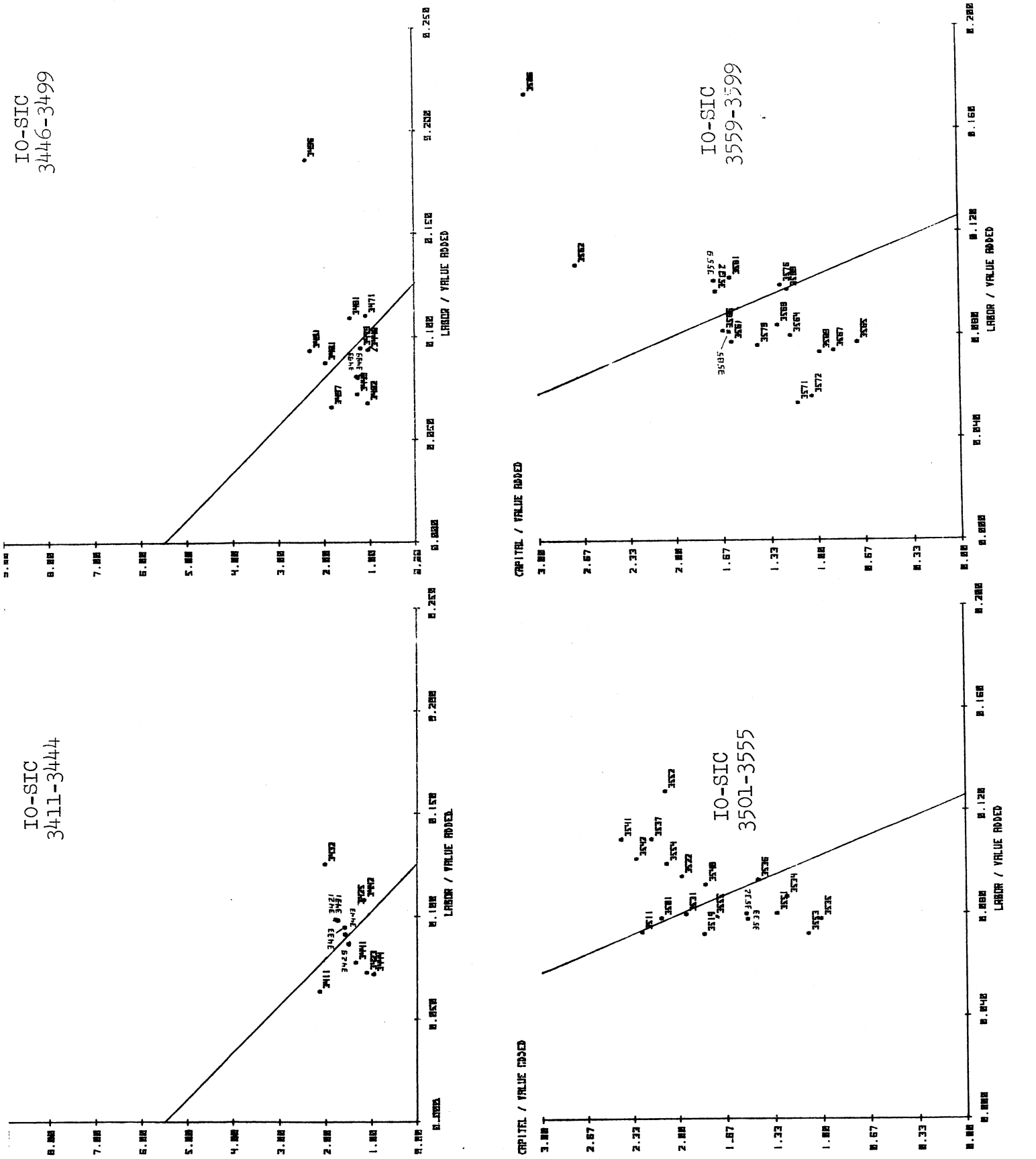
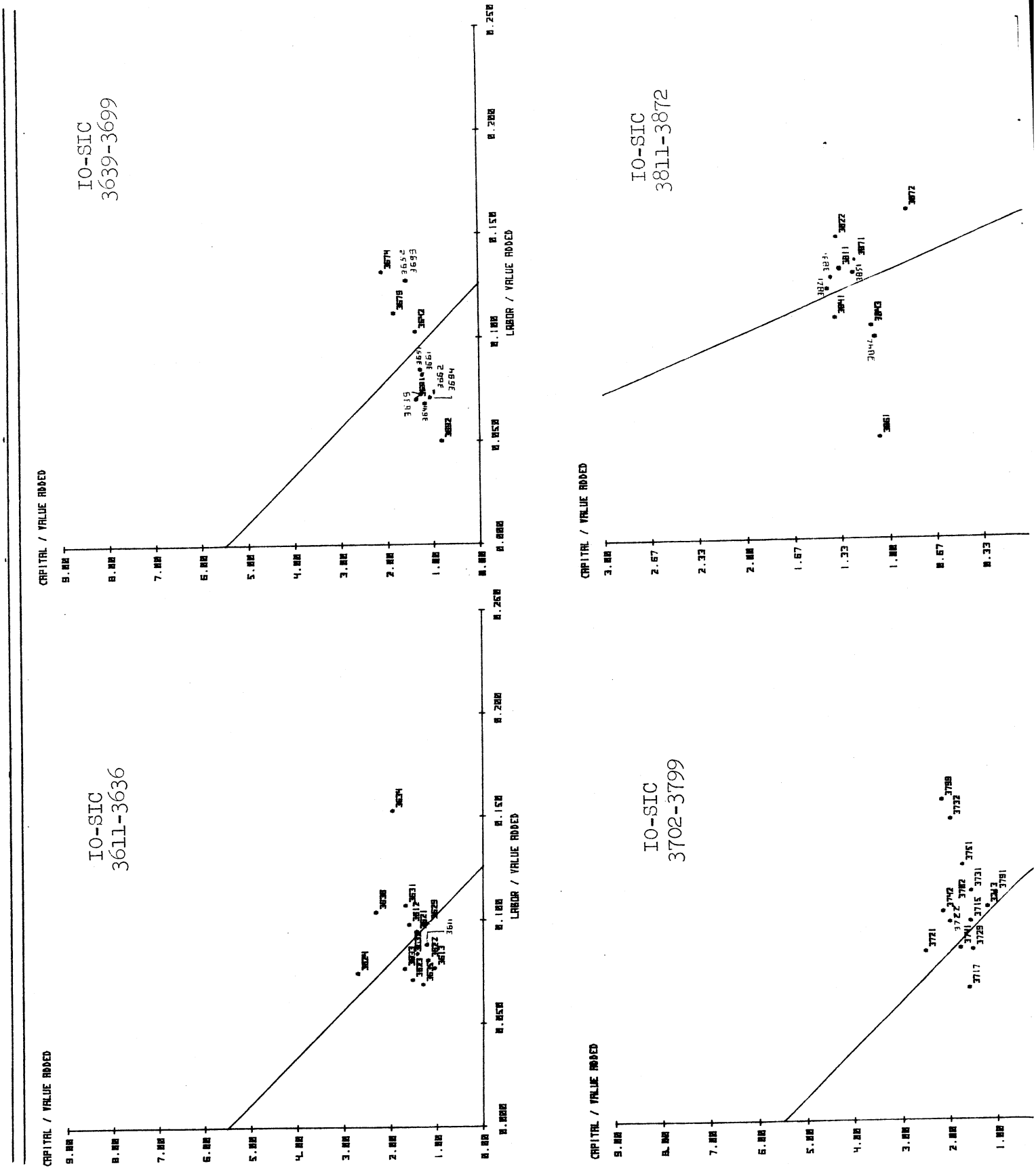
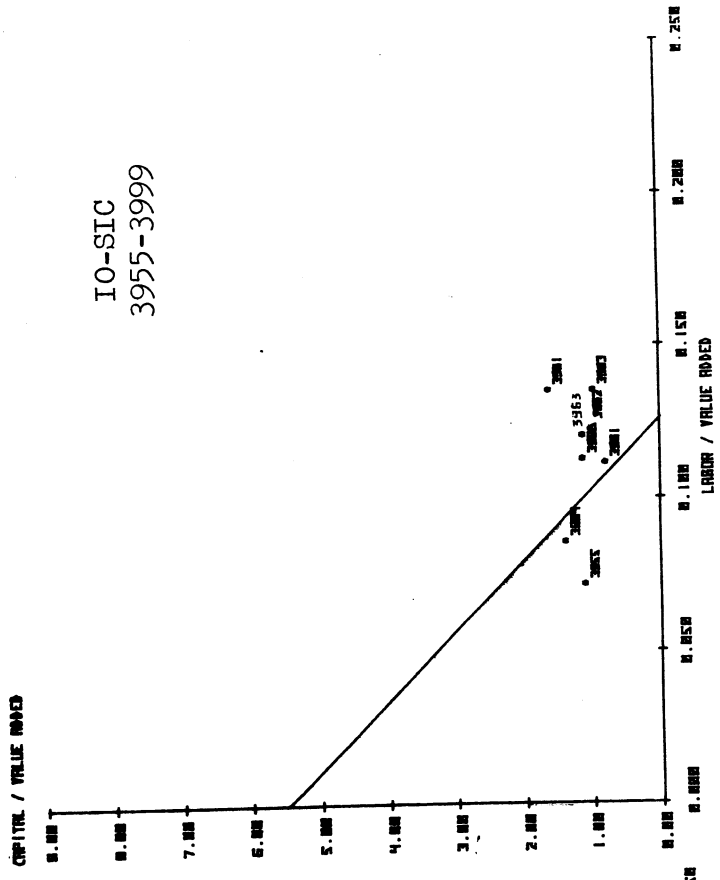
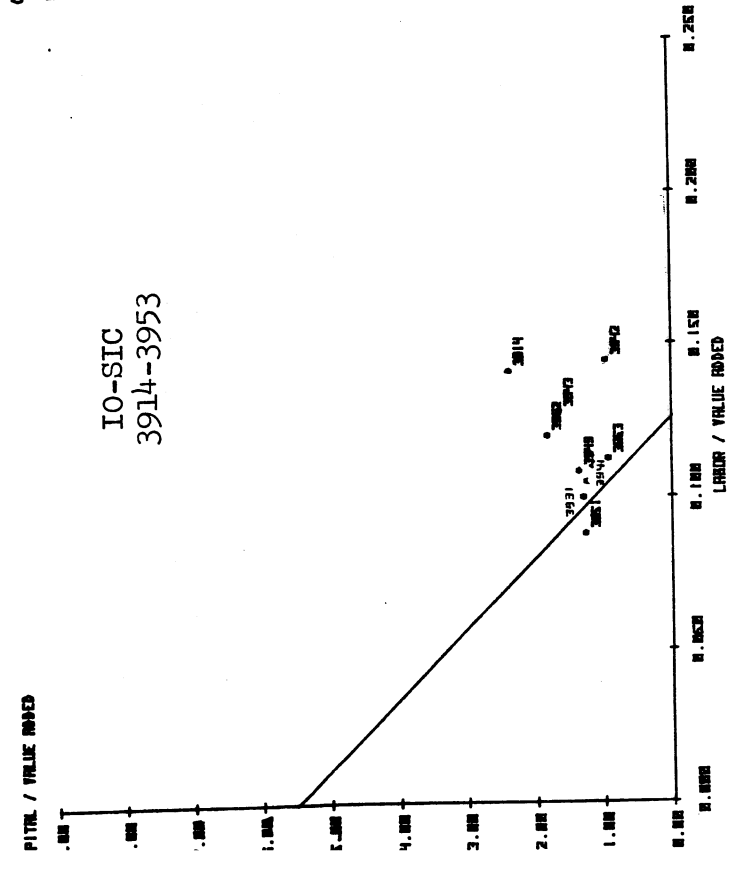


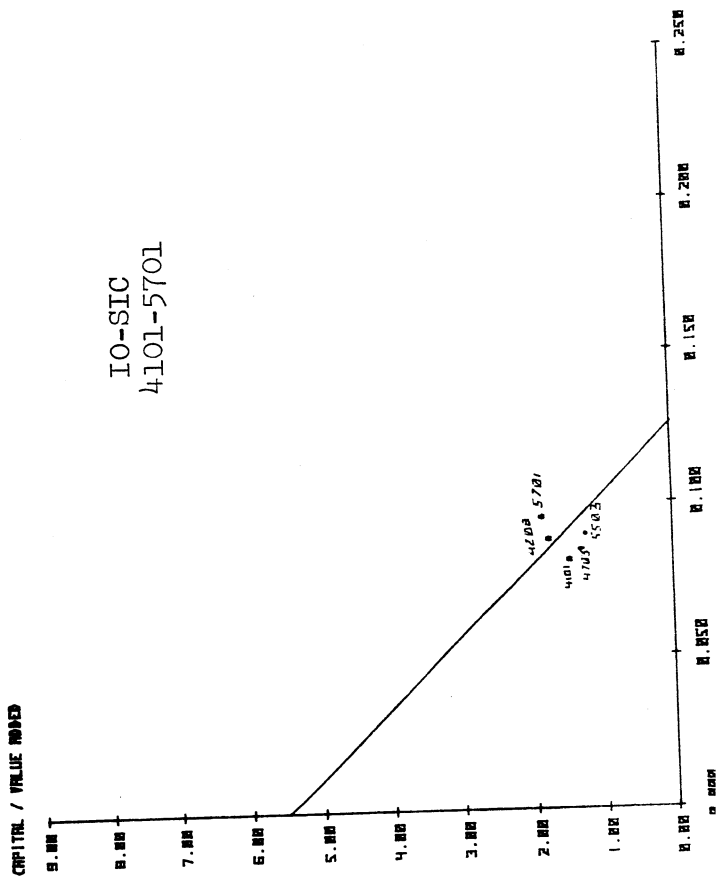
CHART 6: Observed 1970 capital and labor requirements per dollar of value-added--Continued



CARFT 6: Observed 1970 capital and labor requirements per dollar of value-added--Continued







problem. Value-added was calculated using an adjusted input-output definition and may therefore contain errors found in the input-output table values. Value-added, as calculated for the input-output table, is a residual and it carries and accumulates errors entering elsewhere. 1/ Tax data were used to remove direct taxes from value-added, but this originally was more aggregated than the IO-SIC level. For all of these reasons, it may be incorrect to apply such data to the type of static model used here. These data are normally used for time series analysis where changes in values over time are used and absolute value errors are not important.

On the other hand, the model might be inadequate. It may not be sufficiently detailed to reveal a correct portrayal of the extisting equilibrium. For example, labor could be divided to show different labor markets. A seemingly inefficient industry by the criteria in Charts 5 and 6 might be earning a sufficient rate of return to capital if the industry is located in a low wage region. Conversely, an industry which seems to be doing much better than average may be only earning an average return on its capital because union power may bring higher than average wages. Thus, the model as specified makes no assumptions about industrial structure or labor markets that might account for part of the scatter.

Next, there is the question of equilibrium itself. Some industries are growing due to an expanding demand, others are declining,

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1/ See Walderhoug, op. cit.

perhaps because of declining demand or because they cannot compete with imports. Furthermore, profits fluctuate considerably and with different patterns in various industries during the business cycle.

Finally, there is the question of the relative movements of comparative efficiency measures, given price movements. A simple illustration will show that a given price change can cause a much larger CE change. Suppose a particular industry experiences a 20 percent price increase in its output products. Applying a 20 percent price increase to a value-added calculation can typically lead to a 50 percent increase in value-added. This in turn causes the capital per unit value-added and labor per unit value-added figures to decrease by one-third. Hence, in Figure 1, a point on the equilibrium line in an industry experiencing a 20 percent price increase would move inward by a full third of the distance to the origin. 1/

The effective tariff rate theoretically is a meaure of static comparative advantage if an equilibrium exists in the factor markets (all industries would lie in the straight line in Figure 1 in the protected situation). However, if some industries are doing much better relative to others, then similar effective rates would have to be given different considerations for different industries. For example, if an industry such as "s" in Figure 1 had a 20 percent ET rate, removal of all protection might simply move its CE measure out near the average efficiency line. On the other hand, the removal of a 20 percent ET rate from industry "t" would probably deal a severe blow, since that industry is not very competitive with existing protection. This

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1/ It can be shown that if the base price structure for a sector changes, the effective rate will also change because value added may have changed.

implies that industries' general competitive health must be strongly considered when using effective tariff rate changes to measure the possible price import effects of tariff cuts.

The comparative efficiency measures, theoretically and empirically, do not serve well as total explanations of sector trade performance. The prices included in value-added are determined both by domestic and foreign demand and domestic and foreign supply. For most U.S. industries in the past, the domestic aspect has outweighed the foreign. Every U.S. industry, to survive in the long run, must compete relatively well with all other sectors for capital and labor resources, and its relative value-added price must roughly reflect that fact. A particular industry may, for example, have substantial exports because of products characterized by high technology; however, on a comparative efficiency basis it may be no better off than another U.S. industry which produces low-technology products. In other words, product or industry characteristics reflecting trade patterns may not be fully reflected in comparative (static) efficiency measures because many other factors also influence the latter. Therefore, even if comparative efficiency measures were to be considered in conjunction with effective tariff rates in judging adverse effects of tariff reductions, these efficiency measures should not be fully relied on as explanations of trade performance.

Empirical Work

Various types of regressions were run to examine aspects of the model described above as well as general aspects of sectors' trade

performance. The most difficult problem in this type of cross-section analysis seems to be multicollinearity, i.e., the situation where many of the explanatory variables are related to each other. This situation means that regression analysis cannot distinguish which of the related variables is the true explanatory one. There are essentially two methods around this problem. One is the use of factor analysis, principal components analysis, or some theoretical device to combine many related variables into a single variable. 1/ The other way out of multicollinearity is simply to select a set of roughly orthogonal variables for regression. Where one variable used is related to others that are discarded, one can assume that the chosen variable adequately represents the phenomena described by all of the related variables. The shortcoming in this or any other technique (such as factor analysis) is that some explanatory variables may be related even though there is no known theoretical reason for the relationship and in that event one may discard a variable which has some explanatory power.

Table 14 presents some evidence on the scatter pattern in Charts 5 and 6. The elasticity equivalents summarize the results. Some of the scatter is explained by differing wages in industries and some by differing total demand growth rates. While the percent of total variance explained is very small for the entire sample (7-8 percent), if 40 of the 246 observations are deleted, the R^2 rises to 23-27 percent.

1/ See An Industry Characteristics Analysis of the Competitiveness of U.S. Industries, U.S. International Trade Commission, a study that uses factor analysis to combine various industry characteristics into an orthogonal set of explanatory variables. These new "combined" variables then can be used in regression analysis.

Table 14.--Regression equations or factor comparative efficiency measures

REGRESSION OF FP267 FOR OBSERVATIONS 1 TO 246.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(243)	P-VALUE	PARTIAL-R
WPH67	0.39667E-01	0.1144E-01	3.468	0.000619	0.21710
GRTC	0.79457E-03	0.2356E-03	3.373	0.000864	0.21150

INTERCEPT= 0.8654E-01 STD.-ERROR= 0.337E-01 T-RATIO= 2.535

VARIABLE	MEAN	STD.-DEVIATION
WPH67	2.8918	0.51868
GRTC	16.186	25.185

DEGREES OF FREEDOM= 243
SUM OF SQUARES OF RESIDUALS= 2.103
VARIANCE OF ESTIMATE= 0.8653E-02
STANDARD ERROR OF ESTIMATE= 0.9302E-01
COEFFICIENT OF DETERMINATION (R-SQ)=0.0896
F(2, 243)= 11.959 P-VALUE= 0.000011
MULTIPLE CORRELATION COEFFICIENT (R)=0.2993
CORRECTED R-SQ=0.0821
BARTEN'S R-SQ=0.0825
STANDARD ERROR AS PERCENT OF MEAN= 43.65031
DURBIN-WATSON STATISTIC= 1.80

CORRELATION MATRIX:

	WPH67	GRTC
WPH67	1.0000	0.0214
GRTC	0.0214	1.0000

REGRESSION OF FP267 FOR OBSERVATIONS 1 TO 246.

THE OBSERVATIONS WERE WEIGHTED BY THE VARIABLE WT

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(206)	P-VALUE	PARTIAL-R
WPH67	0.39687E-01	0.6801E-02	5.836	0.000000	0.37664
GRTC	0.71930E-03	0.1433E-03	5.018	0.000001	0.33062

INTERCEPT= 0.8956E-01 STD.-ERROR= 0.200E-01 T-RATIO= 4.466

DEGREES OF FREEDOM= 206
SUM OF SQUARES OF RESIDUALS= 0.4857
VARIANCE OF ESTIMATE= 0.2358E-02
STANDARD ERROR OF ESTIMATE= 0.4856E-01
COEFFICIENT OF DETERMINATION (R-SQ)=0.2269
F(2, 206)= 30.574 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.4764
CORRECTED R-SQ=0.2214
BARTEN'S R-SQ=0.2220
STANDARD ERROR AS PERCENT OF MEAN= 22.57381
DURBIN-WATSON STATISTIC= 1.78

REGRESSION OF FP270 FOR OBSERVATIONS 1 TO 246.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(243)	P-VALUE	PARTIAL-R
WPH70	0.27021E-01	0.1108E-01	2.439	0.015432	0.15460
GRTC	0.91316E-03	0.2760E-03	3.308	0.001082	0.20759

INTERCEPT= 0.8338E-01 STD.-ERROR= 0.384E-01 T-RATIO= 2.174

VARIABLE	MEAN	STD.-DEVIATION
WPH70	3.3963	0.62759
GRTC	16.186	25.185

DEGREES OF FREEDOM= 243
SUM OF SQUARES OF RESIDUALS= 2.885
VARIANCE OF ESTIMATE= 0.1187E-01
STANDARD ERROR OF ESTIMATE= 0.1090
COEFFICIENT OF DETERMINATION (R-SQ)=0.0672
F(2, 243)= 8.752 P-VALUE= 0.000214
MULTIPLE CORRELATION COEFFICIENT (R)=0.2592
CORRECTED R-SQ=0.0595
BARTEN'S R-SQ=0.0598
STANDARD ERROR AS PERCENT OF MEAN= 57.37282
DURBIN-WATSON STATISTIC= 1.93

CORRELATION MATRIX:

	WPH70	GRTC
WPH70	1.0000	0.0759
GRTC	0.0759	1.0000

REGRESSION OF FP270 FOR OBSERVATIONS 1 TO 246.

THE OBSERVATIONS WERE WEIGHTED BY THE VARIABLE WT

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(203)	P-VALUE	PARTIAL-R
WPH70	0.26524E-01	0.5030E-02	5.273	0.000000	0.34710
GRTC	0.81250E-03	0.1258E-03	6.460	0.000000	0.41297

INTERCEPT= 0.8534E-01 STD.-ERROR= 0.172E-01 T-RATIO= 4.963

DEGREES OF FREEDOM= 203
SUM OF SQUARES OF RESIDUALS= 0.3813
VARIANCE OF ESTIMATE= 0.1878E-02
STANDARD ERROR OF ESTIMATE= 0.4334E-01
COEFFICIENT OF DETERMINATION (R-SQ)=0.2717
F(2, 203)= 37.861 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.5212
CORRECTED R-SQ=0.2645
BARTEN'S R-SQ=0.2650
STANDARD ERROR AS PERCENT OF MEAN= 23.13514
DURBIN-WATSON STATISTIC= 1.87

Table 14.--Regression equations on factor comparative efficiency measures--Continued

Definition of the variables

FP267, FP270	-	1967 and 1970 comparative efficiency measures for each sector. These are value-added per total factor at average (weighted by size) factor price ratios.
WPH67, WPH70	-	1967 and 1970 average hourly wages in each sector.
GRTC	-	percentage growth of real domestic and foreign consumption for each sector from 1965 to 1970. It is calculated as the growth of production and imports minus the growth of the price deflator for each sector.

Source: Calculated from a databank at the International Trade Commission.

Note.--The point elasticity equivalents of the regression coefficients are as follows (calculated at sample means):

	WPH	GRTC
1967	0.54	0.060
1970	0.48	0.078

The equations omitting about forty observations produce a considerably better fit. Multicollinearity is not a problem for the variables shown. These equations are the second and fourth in the Table. (The ones stating observations were weighted by WT.)

Envisioning data problems, this is reasonably satisfactory for a typical cross-section analysis. One concludes that some of the scatter is explained by differing sector growth rates and by differing wage rates. The latter may be regional wage differences and/or union bargaining power differences in industries. There is obviously much left to be explained by other factors and data problems. 1/

The scatter of points did not explain trade performance in any satisfactory manner. However, it might be worthwhile to pursue some theories which would link poor comparative efficiency performance to stiff import competition. The reasoning is that as imports compete more on a price basis with domestic production, domestic prices have to be kept low, value-added is kept low, and therefore comparative efficiency is low. Such industries would either lose resources (resulting in slow or negative growth) or switch out of production of import competing items.

Table 15 includes more variables in an explanation of total comparative factor cost per unit value-added in a two and three factor model (note that these are the reciprocal of the measures in Table 14). Here wages are included as average hourly wage rates. Demand growth is represented by the growth of value-added while the price effect is included as the growth of a value-added price index. The results are quite strong in spite of some small multicollinearity problems.

1/ Multicollinearity is not a problem for the two variables related, as can be seen from the low correlation coefficient between them.

Table 15.--Regression results for total factor costs for a two- and three-factor model

REGRESSION OF FP267MTA FOR OBSERVATIONS 1 TO 240.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(233)	P-VALUE	PARTIAL-R
GVA6570	-0.27551E-01	0.4243E-02	-6.493	0.000000	-0.39141
WPH67	-1.1040	0.2544	-4.339	0.000021	-0.27345
RMC	0.36048E-01	0.1204E-01	2.994	0.003048	0.19249
DEP	0.63249E-03	0.1177E-03	5.373	0.000000	0.33203
GVP6570	-0.10147E-01	0.3668E-02	-2.767	0.006118	-0.17834
CONCR467	-0.10779E-01	0.6368E-02	-1.693	0.091841	-0.11022

INTERCEPT= 9.529 STD.-ERROR= 0.734 T-RATIO= 12.985

DEGREES OF FREEDOM= 233
SUM OF SQUARES OF RESIDUALS= 817.3
VARIANCE OF ESTIMATE= 3.508
STANDARD ERROR OF ESTIMATE= 1.873
COEFFICIENT OF DETERMINATION (R-SQ)=0.3794
F(6, 233)= 23.738 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.6159
CORRECTED R-SQ=0.3634
BARTEN'S R-SQ=0.3641
STANDARD ERROR AS PERCENT OF MEAN= 34.24985
DURBIN-WATSON STATISTIC= 1.44

VARIABLE	MEAN	STD.-DEVIATION
GVA6570	20.727	29.537
WPH67	2.8734	0.51471
RMC	6.2175	10.445
DEP	87.414	1054.0
GVP6570	15.273	33.901
CONCR467	41.005	20.340

CORRELATION MATRIX:

	GVA6570	WPH67	RMC	DEP	GVP6570	CONCR467
GVA6570	1.0000	-0.0954	-0.1103	-0.1374	0.1086	-0.1396
WPH67	-0.0954	1.0000	-0.1017	-0.1366	0.0488	0.3074
RMC	-0.1103	-0.1017	1.0000	-0.0293	0.1506	0.1011
DEP	-0.1374	-0.1366	-0.0293	1.0000	-0.0927	0.0068
GVP6570	0.1086	0.0488	0.1506	-0.0927	1.0000	-0.0538
CONCR467	-0.1396	0.3074	0.1011	0.0068	-0.0538	1.0000

REGRESSION OF FP367MTA FOR OBSERVATIONS 1 TO 240.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
GVA6570	-0.26090E-01	0.4147E-02	-6.291	0.000000	-0.38037
WPH67	-1.0619	0.2364	-4.491	0.000011	-0.28171
RMC	0.29665E-01	0.1169E-01	2.539	0.011781	0.16371
DEP	0.63434E-03	0.1153E-03	5.500	0.000000	0.33835
GVP6570	-0.97900E-02	0.3585E-02	-2.731	0.006793	-0.17576

INTERCEPT= 8.925 STD.-ERROR= 0.719 T-RATIO= 12.412

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 789.3
VARIANCE OF ESTIMATE= 3.373
STANDARD ERROR OF ESTIMATE= 1.837
COEFFICIENT OF DETERMINATION (R-SQ)=0.3619
F(5, 234)= 26.542 P-VALUE= 0.0
MULTIPLE CORRELATION COEFFICIENT (R)=0.6016
CORRECTED R-SQ=0.3483
BARTEN'S R-SQ=0.3489
STANDARD ERROR AS PERCENT OF MEAN= 33.86356
DURBIN-WATSON STATISTIC= 1.85

VARIABLE	MEAN	STD.-DEVIATION
GVA6570	20.727	29.537
WPH67	2.8734	0.51471
RMC	6.2175	10.445
DEP	87.414	1054.0
GVP6570	15.273	33.901

VARIANCE-COVARIANCE MATRIX OF THE COEFFICIENTS

CORRELATION MATRIX:

	GVA6570	WPH67	RMC	DEP	GVP6570
GVA6570	1.0000	-0.0954	-0.1103	-0.1374	0.1086
WPH67	-0.0954	1.0000	-0.1017	-0.1366	0.0488
RMC	-0.1103	-0.1017	1.0000	-0.0293	0.1506
DEP	-0.1374	-0.1366	-0.0293	1.0000	-0.0927
GVP6570	0.1086	0.0488	0.1506	-0.0927	1.0000

Table 15.--Regression results for total factor costs for a two- and three-factor model--Continued

Dependent variables:

FP267MTA - total factor cost per unit value-added (after taxes) in 1967 in a two-factor model. The two factors in this model were capital and labor.

FP367MTA - total factor cost per unit value-added in 1967 for a three-factor model. The three factors were capital, production workers, and white collar or non-production employees.

Independent variables:

GVA6570 - Percentage growth in value-added from 1965 to 1970.

WPH67 - Average hourly wage in 1967.

RMC - 1970 import consumption ratio.

DEP - 1970 effective tariff rate (using unweighted nominal tariff averages).

GVP6570 - Growth of value-added price indices from 1965 to 1970.

CONCR467 - 1967 concentration ratio.

Note.--the elasticity equivalents of the regression coefficients at the sample means are given below:

	FP267MTA	FP367MTA
GVA 6570	-0.104	-0.100
WPH	-0.580	-0.563
RMC	0.041	0.034
DEP	0.010	0.010
GVP 6570	-0.028	-0.028

The means for the effective rate are unusually high because a few effective ratios in a few sectors are very large.

There is some small multicollinearity problem for a few of the variables. The worst is for CONCR467 and WPH 67. However, CONCR467 is not statistically significant in the first equation and is omitted in the second equation. The coefficients seem relatively stable.

Static resource costs to produce a dollar value-added in 1967 seem to be (a) greater in the industries experiencing slower growth in value-added (they can't compete, hence they are not expanding as fast as other industries); (b) greater in industries with lower hourly wages (this may mean low wage areas or poor wage-paying ability due to non-competitiveness); (c) greater in industries experiencing higher import penetration ratios; (d) greater in industries with high effective tariff protection rates; and (e) greater in industries experiencing a slow growth in value-added prices.

The signs of all of the coefficients are reasonable. Other attempts at regression analysis do not show that tariffs or tariff changes are strong determinants of U.S. price changes in general. The analysis so far indicates that while protection is not the moving price force in the U.S. economy, it is associated more with the less competitive industries. The next step is to look at industry characteristics explaining trade performance.

Trade Performance

A rank correlation matrix for various trade performance variables is shown in Table 16. Variables 2-8 are derived from U.S. data sources while variables 9-12 are U.S. trade data from U.N. sources. ET rates for 1965 and 1970 are given as variables 13 and 14. All of the trade variables are for 1970.

The concordance problems crop up again as one inspects the difference between variables when sourced from the U.S. and the U.N. The U.N. data went through the same concordance route as the GATT Tariff while the U.S. sourced data went the direct route to the IO-SIC. This is evidenced by rank correlation of only 0.6 between equivalent types of measures using U.S. and U.N. data (specifically the trade balance and trade ratio measures).

Measurement of trade performance, especially for an economy when trade is a small portion of GNP, is a difficult problem. Part of the problem is that goods in some sectors are generally traded more than goods produced in others. The trade distortions caused by tariffs and NTB's complicate the problems. The concordance problems of matching trade and production data make certain kinds of trade measures very difficult to quantify accurately.

Finally, most sectors show both imports and exports; therefore, one cannot usually characterize a sector as a total exporting or importing competing sector. Note that import/consumption and export/production ratios are weakly but positively correlated.

Table 16.--Rank correlation matrix of trade performance measures by IO-SIC

VARIABLE (NO) (FOR 263 OBSERVATIONS)

TBUS	(2)
TRUS	(3)
RMC	(4)
REP	(5)
RMCA	(6)
REPA	(7)
PCHM6570	(8)
UNUSTB	(9)
UNUSTRWD	(10)
UNUSTR	(11)
XUSSXWD	(12)
EP65%	(13)
EP70%	(14)

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
(2)	******	0.955	-0.730	0.299	-0.735	0.308	-0.087	0.607	0.526	0.565	0.322	-0.057	-0.029
(3)	51.844	******	-0.688	0.296	-0.690	0.304	-0.048	0.631	0.550	0.604	0.360	-0.094	-0.064
(4)	******	******	******	0.360	0.996	0.347	-0.068	-0.428	-0.333	-0.387	-0.087	-0.057	-0.059
(5)	5.065	5.015	6.228	******	0.351	0.995	-0.207	0.309	0.335	0.297	0.397	-0.197	-0.165
(6)	******	******	******	6.060	******	0.346	-0.055	-0.427	-0.332	-0.387	-0.094	-0.054	-0.054
(7)	5.229	5.162	5.975	******	5.952	******	-0.200	0.313	0.338	0.298	0.390	-0.195	-0.154
(8)	-1.408	-0.784	-1.099	-3.423	-0.868	-3.299	******	0.039	0.083	0.057	0.138	-0.090	-0.093
(9)	12.347	13.152	-7.644	5.258	-7.630	5.321	0.630	******	0.945	0.969	0.746	-0.199	-0.189
(10)	9.989	10.625	-5.710	5.751	-5.694	5.800	1.343	46.509	******	0.915	0.846	-0.219	-0.200
(11)	11.061	12.245	-6.773	5.034	-6.771	5.051	0.927	63.339	36.738	******	0.738	-0.224	-0.213
(12)	5.504	6.240	-1.410	6.981	-1.522	6.839	2.252	18.120	25.658	17.672	******	-0.301	-0.294
(13)	-0.916	-1.530	-0.917	-3.248	-0.870	-3.208	-1.463	-3.277	-3.626	-3.718	-5.105	******	0.871
(14)	-0.467	-1.038	-0.949	-2.696	-0.878	-2.514	-1.502	-3.115	-3.292	-3.514	-4.976	28.618	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 261

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1925	260.0	262.0	10.5	17.5	2.5	16.5	21.5	251.0	258.0	252.0	258.0	32.0	39.0
1929	227.0	229.0	40.0	106.0	38.0	101.0	256.0	251.0	258.0	252.0	258.0	17.0	25.0
1931	255.0	257.0	69.0	260.0	61.0	261.0	101.5	261.0	261.0	262.0	261.0	6.0	95.0
1951	114.0	116.0	224.0	231.5	226.0	237.0	117.0	158.0	207.0	159.0	225.0	194.0	187.5
1961	99.0	101.0	205.0	193.0	210.0	195.5	238.0	221.0	253.0	222.0	254.0	49.5	58.0
1990	243.0	245.0	26.5	137.0	22.0	116.0	257.0	251.0	258.0	252.0	258.0	26.0	35.0
2011	65.0	67.0	192.0	117.5	187.0	107.0	125.0	40.0	43.0	44.0	61.0	217.0	7.0
2015	210.0	212.0	40.0	88.0	43.5	92.0	149.5	213.0	156.0	214.0	104.0	83.5	193.0
2021	122.0	124.0	26.5	8.5	27.0	5.5	73.5	101.0	96.0	102.0	4.0	247.0	232.0
2022	20.0	22.0	168.0	17.5	171.0	21.0	112.0	10.0	49.0	14.0	11.0	240.0	245.0
2023	199.0	201.0	144.0	238.0	133.0	236.0	30.5	201.0	178.5	202.0	142.0	3.0	3.0
2026	136.0	138.0	10.5	2.0	20.0	2.5	48.0	77.0	85.0	81.0	37.0	90.5	59.0
2031	58.0	60.0	244.0	204.0	247.0	211.5	40.0	33.0	38.0	37.0	47.0	154.5	176.0
2032	168.0	170.0	40.0	34.5	40.0	43.0	200.5	137.0	120.0	138.0	77.0	183.0	145.0
2033	98.0	100.0	182.5	163.5	191.5	166.0	82.5	65.0	57.0	69.0	98.0	181.0	217.0
2034	205.0	207.0	153.0	246.0	146.5	248.0	40.0	228.0	227.0	229.0	210.0	204.0	210.0
2035	179.0	181.0	54.5	80.5	54.5	77.0	66.0	179.0	194.0	180.0	197.5	164.5	53.0
2036	111.0	113.0	220.0	223.5	219.0	222.0	108.5	14.0	6.0	18.0	36.0	13.5	16.0
2037	222.0	224.0	40.0	83.5	34.5	80.0	135.0	47.0	50.5	51.0	63.0	195.0	229.0
2041	226.0	228.0	72.5	194.5	67.5	185.0	134.0	256.0	244.0	257.0	237.0	5.0	70.0
2042	180.0	182.0	62.0	93.5	62.5	94.5	131.5	191.0	190.0	192.0	177.5	2.0	2.0
2043	241.0	243.0	40.0	167.0	36.0	169.5	79.5	138.0	141.0	139.0	133.0	45.0	36.5
2044	254.0	256.0	84.5	262.0	84.0	262.0	6.0	260.0	255.0	261.0	253.0	164.5	243.0
2046	197.0	199.0	105.5	207.0	111.0	216.0	6.0	79.0	80.0	83.0	62.0	123.0	163.5
2051	46.0	48.0	62.0	8.5	67.5	9.0	136.5	90.0	90.0	94.0	137.0	49.5	47.0
2071	72.0	74.0	138.5	75.0	137.5	69.5	88.5	121.0	116.0	122.0	91.0	207.5	202.0
2072	18.0	20.0	209.5	46.5	200.0	36.0	157.5	8.0	29.0	12.0	9.5	77.5	51.5
2073	152.0	154.0	77.5	88.0	80.5	97.0	221.0	41.0	55.0	45.0	49.0	87.5	95.0
2082	16.0	18.0	94.0	2.0	91.0	2.5	72.5	45.0	60.0	49.0	41.0	94.0	87.0
2083	234.0	236.0	40.0	128.5	37.0	134.0	26.5	132.0	102.0	133.0	25.0	73.0	157.0
2084	1.0	3.0	247.0	17.5	248.0	20.0	115.0	2.0	25.0	6.0	5.5	132.0	165.5
2085	14.0	16.0	246.0	80.5	249.0	81.5	76.0	6.0	1.0	10.0	15.0	170.5	173.0
2086	171.0	173.0	10.5	8.5	17.5	4.0	208.5	190.0	133.0	191.0	67.0	11.5	10.0
2087	212.0	214.0	72.5	181.0	71.0	177.0	52.5	71.5	73.0	75.5	82.0	201.0	225.0
2091	236.0	238.0	94.0	243.0	95.0	246.0	4.0	255.0	256.0	256.0	256.0	1.0	1.0
2092	262.5	1.5	10.5	255.0	2.5	258.0	21.5	93.0	93.5	2.5	2.0	261.0	260.0
2093	59.0	61.0	256.0	248.0	257.0	250.0	61.0	180.0	191.0	181.0	192.0	95.0	196.0
2094	202.0	204.0	205.0	259.0	185.0	256.0	35.5	206.0	228.0	207.0	221.0	22.0	21.0
2095	77.0	79.0	128.5	68.0	135.0	72.5	252.0	26.0	18.0	30.0	57.0	11.5	12.0
2096	261.0	263.0	10.5	176.5	2.5	173.0	21.5	263.0	252.0	2.5	251.0	263.0	263.0
2098	21.0	23.0	107.0	8.5	108.5	11.5	179.0	11.0	40.0	15.0	13.0	54.0	43.0
2099	89.0	91.0	101.5	61.5	99.0	56.5	40.0	176.0	202.0	177.0	205.0	92.5	116.5
2111	258.0	260.0	10.5	188.5	8.5	192.0	253.0	259.0	251.0	260.0	246.0	251.0	257.0
2121	79.0	81.0	101.5	46.5	101.0	50.5	165.0	51.0	75.0	54.5	23.0	8.0	227.5
2131	177.0	179.0	199.5	249.0	173.0	238.0	198.0	178.0	235.0	179.0	248.0	77.5	153.5
2241	130.0	132.0	156.0	163.5	157.0	169.5	26.5	73.0	71.0	77.0	111.0	213.0	212.0
2251	224.0	226.0	10.5	17.5	17.5	19.0	8.0	185.0	119.0	186.0	48.0	235.0	252.0
2252	49.0	51.0	173.0	68.0	179.0	69.5	243.0	48.0	67.0	52.0	35.0	243.0	258.0
2256	93.0	95.0	155.5	106.0	153.0	102.0	244.0	58.0	74.0	62.0	29.0	259.0	259.0
2284	126.0	128.0	123.5	128.5	125.0	133.0	177.0	80.0	84.0	84.0	53.5	216.0	239.0
2291	189.0	191.0	62.0	117.5	59.5	113.5	3.0	207.0	103.0	208.0	16.0	260.0	261.0
2292	84.0	86.0	212.0	179.5	213.0	181.0	35.5	87.0	89.0	91.0	55.0	249.0	254.0
2293	231.0	233.0	40.0	117.5	39.0	120.0	72.5	115.0	106.0	116.0	66.0	262.0	262.0
2295	149.0	151.0	166.5	198.0	168.5	203.0	251.0	164.0	146.0	165.0	123.0	38.0	30.0
2296	216.0	218.0	50.0	111.0	50.0	125.0	197.0	96.0	97.0	97.0	94.0	4.0	247.0

Table 16.--Rank correlation matrix of of trade performance measures by IO-SIC--Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
2391	242.0	244.0	10.5	34.5	14.0	41.0	246.0	53.0	47.0	57.0	75.0	173.5	127.5
2392	73.0	75.0	180.5	117.5	151.0	83.5	101.5	62.0	59.0	66.0	81.0	236.0	216.0
2393	178.0	180.0	54.5	75.0	52.5	72.5	43.0	199.0	112.0	200.0	24.0	65.5	4.0
2394	228.0	230.0	26.5	68.0	30.5	68.0	149.5	93.0	93.5	2.5	2.0	104.5	76.5
2395	146.0	148.0	62.0	55.0	58.0	56.5	81.0	122.0	111.0	123.0	69.0	252.0	248.0
2396	174.0	176.0	40.0	34.5	34.5	32.5	35.5	142.0	155.0	143.0	169.0	242.0	246.0
2399	175.0	177.0	115.0	191.5	115.0	190.0	141.0	161.0	158.0	162.0	152.0	218.0	201.0
2411	225.0	227.0	150.5	256.0	144.0	254.0	56.0	244.0	215.0	245.0	174.0	20.0	22.0
2421	80.0	82.0	230.5	202.0	232.0	207.0	55.0	60.0	53.0	64.0	86.5	34.0	38.0
2426	88.0	90.0	179.0	140.0	181.5	140.5	166.0	66.0	52.0	70.0	122.0	211.0	191.5
2429	44.0	46.0	252.0	199.5	251.0	198.5	30.5	74.0	46.0	78.0	218.0	28.0	31.5
2431	30.0	32.0	96.0	8.5	98.0	13.0	86.5	61.0	64.0	65.0	65.0	31.0	55.0
2432	32.0	34.0	230.5	106.0	233.0	116.0	62.0	20.0	16.0	24.0	33.0	202.0	237.5
2499	47.0	49.0	214.0	111.0	216.0	109.0	72.5	37.0	41.0	41.0	52.0	185.0	194.5
2500	198.0	200.0	26.5	34.5	27.0	37.5	162.0	197.0	176.0	198.0	139.0	178.0	185.5
2515	185.0	187.0	10.5	8.5	17.5	7.5	230.0	30.0	34.5	34.0	44.0	225.5	237.5
2522	248.0	250.0	10.5	46.5	8.5	43.0	223.0	31.0	34.5	35.0	44.0	207.5	198.0
2591	262.5	1.5	10.5	24.5	2.5	26.5	21.5	32.0	34.5	36.0	44.0	220.0	207.5
2611	129.0	131.0	261.0	261.0	256.0	260.0	40.0	91.0	91.0	95.0	197.5	13.5	16.0
2621	51.0	53.0	235.0	167.0	237.0	171.0	45.0	59.0	39.0	63.0	120.0	21.0	20.0
2631	250.0	252.0	40.0	228.0	43.5	233.0	60.0	210.0	153.0	211.0	102.0	69.0	66.5
2641	200.0	202.0	72.5	163.5	76.0	176.0	189.0	182.0	186.0	183.0	176.0	239.0	214.0
2642	144.0	146.0	26.5	8.5	23.5	11.5	148.0	119.0	107.0	120.0	60.0	229.0	223.5
2643	246.0	248.0	10.5	55.0	8.5	53.0	50.5	3.0	14.0	7.0	8.0	245.0	235.5
2644	91.0	93.0	228.5	211.5	231.0	214.0	146.5	57.0	68.0	61.0	42.0	146.5	141.5
2645	238.0	240.0	26.5	88.0	27.0	94.5	104.5	105.5	98.5	106.5	33.0	206.0	199.0
2646	28.0	30.0	160.0	24.5	163.0	26.5	161.0	151.0	177.0	152.0	202.0	107.5	112.5
2647	252.0	254.0	10.5	46.5	8.5	45.0	24.0	226.0	161.0	227.0	105.0	215.0	194.5
2649	94.0	96.0	123.5	88.0	120.0	86.0	117.0	160.0	144.0	161.0	118.0	212.0	204.0
2661	167.0	169.0	77.5	111.0	80.5	123.0	33.0	69.0	70.0	73.0	80.0	49.5	40.0
2701	169.0	171.0	177.0	231.5	179.0	234.0	129.0	155.0	189.0	156.0	213.0	124.0	138.5
2721	203.0	205.0	69.0	150.0	70.0	157.0	232.0	192.0	199.0	193.0	196.0	18.5	18.5
2731	155.0	157.0	160.0	201.0	154.5	195.5	133.0	148.0	187.0	149.0	214.0	49.5	33.0
2761	237.0	239.0	10.5	8.5	8.5	7.5	106.0	105.5	98.5	106.5	33.0	214.0	203.0
2782	42.0	44.0	157.5	46.5	164.0	47.5	248.0	54.0	44.0	58.0	84.0	184.0	179.0
2821	239.0	241.0	89.0	245.0	74.5	239.0	108.5	227.0	197.5	228.0	150.5	234.0	221.0
2822	193.0	195.0	185.5	253.0	177.0	252.0	125.0	84.0	76.0	88.0	208.0	43.5	45.0
2824	147.0	149.0	153.0	187.0	158.0	191.0	142.0	102.0	109.0	103.0	97.0	154.5	207.5
2841	240.0	242.0	26.5	102.5	27.0	112.0	15.0	212.0	178.5	213.0	131.0	67.5	91.0
2842	244.0	246.0	26.5	143.0	23.5	143.0	40.0	254.0	206.0	255.0	160.0	52.0	56.0
2843	191.0	193.0	118.5	219.0	100.0	197.0	143.0	243.0	216.0	244.0	193.0	237.0	222.0
2844	117.0	119.0	62.0	34.5	57.0	28.0	48.0	146.0	138.0	147.0	107.0	248.0	241.0
2851	251.0	253.0	10.5	111.0	17.5	113.5	14.0	257.0	204.0	258.0	140.0	58.0	65.0
2861	215.0	217.0	180.5	257.0	189.0	259.0	12.0	234.0	239.0	235.0	232.0	18.5	24.0
2871	165.0	167.0	184.0	233.0	197.0	240.0	93.0	162.0	195.0	163.0	209.0	7.0	5.0
2879	209.0	211.0	123.5	235.0	110.0	227.0	76.0	225.0	210.0	226.0	179.0	228.0	230.0
2891	138.0	140.0	147.0	176.5	142.0	165.0	91.0	126.0	140.0	127.0	161.0	219.0	206.0
2892	124.0	126.0	138.5	143.0	139.0	148.0	250.0	86.0	82.0	90.0	200.0	33.0	28.0
2893	204.0	206.0	62.0	150.0	67.5	152.0	175.0	219.0	197.5	220.0	162.0	24.5	26.5
2899	150.0	152.0	170.0	205.5	167.0	202.0	54.0	215.0	221.0	216.0	206.0	72.0	68.0
2901	156.0	158.0	133.0	183.0	143.0	187.0	103.0	203.0	231.0	204.0	236.0	153.0	149.0
2952	219.0	221.0	26.5	55.0	30.5	58.5	242.0	246.0	213.0	247.0	168.0	62.0	47.0
3011	82.0	84.0	173.0	123.5	179.0	130.0	227.0	49.0	48.0	53.0	70.0	100.5	63.5
3031	217.0	219.0	89.0	209.5	85.5	208.0	129.5	196.0	217.0	197.0	216.0	15.0	14.0
3069	188.0	190.0	82.0	176.5	83.0	178.0	225.0	208.0	185.0	209.0	144.0	96.0	88.0
3079	31.0	33.0	164.5	34.5	160.0	31.0	217.0	167.0	157.0	168.0	146.0	115.0	122.5
3111	61.0	63.0	221.0	171.5	222.0	175.0	58.0	56.0	61.0	60.0	56.0	134.5	141.5
3141	5.0	7.0	228.5	24.5	229.0	23.5	222.0	1.0	8.0	5.0	5.5	129.0	180.0
3142	23.0	25.0	144.0	17.5	146.5	16.0	239.0	55.0	17.0	59.0	183.0	127.0	100.5
3151	27.0	29.0	253.0	171.5	253.0	163.0	32.0	18.0	3.0	22.0	46.0	250.0	256.0
3161	54.0	56.0	214.0	137.0	217.0	140.5	211.5	13.0	12.0	17.0	27.0	230.0	233.0
3171	10.0	12.0	243.0	55.0	244.0	54.0	113.0	15.0	13.0	19.0	28.0	222.5	240.0
3199	8.0	10.0	232.0	34.5	228.0	29.5	140.0	21.0	10.0	25.0	53.5	131.0	120.5
3221	187.0	189.0	50.0	88.0	52.5	93.0	171.5	204.0	171.0	205.0	129.0	133.0	138.5
3241	41.0	43.0	138.5	34.5	140.0	35.0	157.5	24.0	37.0	28.0	21.0	47.0	44.0
3251	64.0	66.0	82.0	24.5	82.0	22.0	177.0	81.0	83.0	85.0	71.0	256.0	51.5
3253	12.0	14.0	238.0	55.0	241.0	61.0	16.5	7.0	54.0	11.0	7.0	209.0	242.0
3255	245.0	247.0	50.0	237.0	51.0	241.0	52.5	249.0	224.0	250.0	201.0	103.0	103.5
3261	83.0	85.0	89.0	34.5	92.5	43.0	82.5	166.0	127.0	167.0	72.0	227.0	215.0
3262	7.0	9.0	257.0	123.5	259.0	126.0	97.0	4.0	9.0	8.0	9.5	254.0	255.0
3263	15.0	17.0	258.0	167.0	260.0	168.0	117.0	5.0	2.0	9.0	14.0	224.0	213.0
3264	141.0	143.0	194.0	221.0	206.0	229.0	95.0	120.0	139.0	121.0	194.0	175.5	191.5
3274	100.0	102.0	123.5	98.0	132.0	103.0	13.0	88.0	87.0	92.0	78.0	81.5	76.5
3275	195.0	197.0	26.5	34.5	27.0	32.5	258.0	71.5	81.0	75.5	39.0	139.0	146.0
3291	135.0	137.0	201.0	223.5	202.5	220.0	67.5	131.0	143.0	132.0	155.0	30.0	31.5
3292	101.0	103.0	162.5	140.0	162.0	142.0	125.0	125.0	123.0	126.0	113.0	43.5	49.0
3293	211.0	213.0	62.0	146.5	59.5	149.0	203.0	100.0	110.0	101.0	141.0	56.5	60.0
3295	153.0	155.0	123.5	171.5	119.0	164.0	88.5	123.0	131.0	124.0	134.0	221.0	54.0
3297	201.0	203.0	123.5	230.0	123.0	230.0	50.5	248.0	223.0	249.0	199.0	119.0	116.5
3299	87.0	89.0	219.0	188.5	221.0	194.0	59.0	130.0	134.0	131.0	124.0	173.5	9.0
3315	34.0	36.0	192.0	61.5	136.0	23.5	28.0	29.0	7.0	33.0	92.0	24.5	18.5
3333	6.0	8.0	241.0	34.5	240.0	39.0	86.5	12.0	22.0	16.0	18.0	79.5	120.5
3334	143.0	145.0	217.5	241.0	208.0	235.0	11.0	112.0	122.0	113.0	143.0	65.5	76.5
3339	50.0	52.0	262.0	258.0	258.0	245.0	84.0	27.0	20.0	31.0	50.0	27.0	23.0
3351	67.0	69.0	166.5	88.0	170.0	90.0	70.0	36.0	56.0	40.0	30.0	87.5	126.0
3352	154.0	156.0	118.5	171.5	124.0	174.0	76.0	144.0	154.0	145.0	165.0	177.0	189.5
3356	173.0	175.0	175.0	234.0	174.0	232.0	108.5	107.0	124.0	108.0	173.0	36.0	47.0
3357	104.0	106.0	133.0	111.0	131.0	108.0	195.0	70.0	72.0	74.0	76.0	241.0	231.0
3361	159.0	161.0	40.0	34.5	46.5	40.0	146.5	98.0	101.0	99.0	115.0	233.0	234.0
3362	95.0	97.0	62.0	24.5	65.0	25.0	46.0	64.0	58.0	68.0	88.0	166.0	187.5
3369	166.0	168.0	54.5	68.0	54.5	66.0	153.5	140.0	263.0	141.0	263.0	187.0	170.5
3391	161.0	163.0	101.5	153.0	92.5	138.0	224.0	214.0	219.0	215.0	203.0	41.0	36.5
3392	56.0	58.0	211.0	137.0	204.0	119.0	25.0	136.0	132.0	137.0	108.0	39.5	13.0
3399	142.0	144.0	138.5	176.5	128.5	160.0	94.0	170.0	196.0	171.0	204.0	39.5	41.0
3411	214.0	216.0	26.5	24.5	21.0	29.5	182.0	128.5	125.5	129.5	109.5	149.0	129.5
3421	48.0	50.0	223.0	133.0	230.0	150.0	72.5	38.0	32.0	42.0	64.0	255.0	253.0
3423	45.0	47.0	202.5	93.5	202.5	88.0	171.5	114.0	128.0	115.0	163.0	169.0	155.5
3425	110.0	112.0	185.5	183.0	194.0	184.0	114.0	95.0	93.5	96.0	89.0	81.5	85.5
3429	62.0	64.0	115.0	55.0	122.0	55.0	193.5	110.0	121.0	111.0	138.0	146.5	118.0
3431	256.0	258.0	10.5	102.5	8.5	106.0	177.0	34.0	19.0	38.0	83.0	225.5	211.0
3432	229.0	231.0	50.0	146.5	48.0	145.5	19.0	152.0	160.0	153.0	170.0	231.5	227.5
3433	140.0	142.0	77.5	75.0	77.5	79.0	159.5	177.0	147.0	178.0	116.5	144.5	140.0
3441	116.0	118.0	109.0	102.5	115.0	104.0	205.5	85.0	86.0	89.0	106.0	89.0	89.0
3442	249.0	251.0	10.5	68.0	14.0	71.0	35.5	108.0	118.0	109.0	135.0	192.0	185.5
3443	194.0	196.0	54.5	111.0	56.0	105.0	255.0	241.0	203.0	242.0	150.5	180.0	170.5
3444	183.0	185.0	40.0	61.5	41.0	58.5	234.0	188.0	163.0	189.0	127.0	98.0	80.0
3446	190.0	192.0	26.5	46.5	32.5	46.0	235.0	188.0	163.0	189.0	127.0	92.5	76.5
3449	257.0	259.0	10.5	98.0	8.5	90.0	237.0	188.0	163.0	189.0	127.0	110.0	73.5
3461	70.0	72.0	62.0	17.5	64.0	14.5	167.0	116.0	135.0	117.0	188.0	37.0	61.5

Table 16.--Rank correlation matrix of trade performance measures by IO-SIC-Cont.

RANKS OF THE VARIABLES (FROM LOW TO HIGH VALUES)

SIC	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
3481	86.0	88.0	197.5	160.5	175.0	128.0	92.0	43.0	50.5	47.0	59.0	125.0	109.0
3491	37.0	39.0	162.5	34.5	161.0	37.5	182.0	128.5	125.5	129.5	109.5	161.0	143.5
3492	102.0	104.0	84.5	55.0	87.0	60.0	212.0	97.0	100.0	98.0	114.0	210.0	205.0
3493	33.0	35.0	236.5	123.5	225.0	99.0	192.0	39.0	5.0	43.0	180.0	75.5	16.0
3497	97.0	99.0	207.0	190.0	188.0	162.0	68.0	67.0	63.0	71.0	90.0	61.0	26.5
3499	25.0	27.0	222.0	75.0	215.0	64.0	120.0	109.0	170.0	110.0	252.0	167.0	178.0
3511	13.0	15.0	123.5	8.5	118.0	5.5	214.0	83.0	79.0	87.0	99.0	130.0	155.5
3519	158.0	160.0	187.0	229.0	186.0	225.0	200.5	113.0	145.0	114.0	231.0	56.5	57.0
3522	107.0	109.0	197.5	196.0	205.0	198.5	57.0	147.0	201.0	148.0	226.0	9.0	6.0
3531	220.0	222.0	157.5	254.0	165.0	255.0	163.0	236.0	243.0	237.0	240.0	109.0	102.0
3532	232.0	234.0	97.5	239.5	102.0	243.0	210.0	253.0	247.0	254.0	244.0	90.5	91.0
3533	221.0	223.0	89.0	216.5	94.0	221.0	191.0	237.0	241.0	238.0	234.0	75.5	98.5
3534	119.0	121.0	89.0	75.0	90.0	76.0	228.0	232.0	237.0	232.0	229.0	107.5	105.0
3535	172.0	174.0	89.0	143.0	89.0	147.0	218.0	232.0	237.0	234.0	229.0	102.0	97.0
3536	103.0	105.0	177.0	171.5	184.0	179.5	182.0	232.0	237.0	233.0	229.0	111.0	93.0
3537	162.0	164.0	134.0	191.5	130.0	189.0	260.0	217.0	234.0	218.0	233.0	70.0	111.0
3541	157.0	159.0	202.5	239.5	211.0	242.0	104.5	172.0	168.0	173.0	158.0	179.0	147.0
3542	163.0	165.0	173.0	227.0	176.0	226.0	254.0	171.0	167.0	172.0	154.0	157.0	159.0
3548	170.0	172.0	133.0	197.0	137.5	201.0	218.0	194.0	193.0	195.0	175.0	143.0	131.5
3551	123.0	125.0	209.5	218.0	212.0	217.0	99.5	195.0	184.0	196.0	159.0	127.0	122.5
3552	92.0	94.0	250.0	243.0	250.0	247.0	182.0	89.0	88.0	93.0	95.0	162.0	158.0
3553	137.0	139.0	192.0	214.5	199.0	219.0	96.0	183.0	173.0	184.0	148.0	117.0	100.5
3554	106.0	108.0	216.0	209.5	214.0	209.0	125.0	134.0	137.0	135.0	125.0	85.5	83.0
3555	69.0	71.0	208.0	153.0	207.0	151.0	111.0	143.0	159.0	144.0	185.0	106.0	106.5
3559	108.0	110.0	77.5	46.5	74.5	52.0	215.5	150.0	166.0	151.0	177.5	85.5	82.0
3561	181.0	183.0	138.5	216.5	141.0	215.0	211.5	216.0	230.0	217.0	222.0	79.5	84.0
3562	11.0	13.0	190.0	17.5	196.0	14.5	144.5	117.0	129.0	118.0	157.0	168.0	162.0
3564	121.0	123.0	123.5	117.5	121.0	122.0	249.0	200.0	225.0	201.0	220.0	67.5	69.0
3566	85.0	87.0	115.0	68.0	113.0	67.0	144.5	220.0	211.0	221.0	186.0	150.0	127.5
3567	120.0	122.0	133.0	133.0	134.0	137.0	128.0	211.0	200.0	212.0	171.0	140.0	124.5
3569	36.0	38.0	236.5	133.0	234.0	131.0	139.0	205.0	209.0	206.0	195.0	97.0	98.5
3572	52.0	54.0	233.0	160.5	238.0	179.5	120.0	76.0	66.0	80.0	147.0	29.0	34.0
3576	196.0	198.0	109.0	214.5	115.0	218.0	44.0	223.0	182.0	224.0	130.0	170.5	167.0
3579	71.0	73.0	240.0	213.0	236.0	206.0	236.0	229.0	254.0	230.0	255.0	112.5	115.0
3581	207.0	209.0	94.0	203.0	88.0	200.0	96.0	238.0	249.0	239.0	249.0	137.5	131.5
3582	160.0	162.0	196.0	236.0	193.0	231.0	184.5	139.0	136.0	140.0	116.5	148.0	168.0
3586	176.0	178.0	101.5	179.5	106.0	183.0	263.0	230.0	232.0	231.0	223.0	151.0	160.5
3589	186.0	188.0	69.0	117.5	67.5	121.0	156.0	173.0	169.0	174.0	164.0	119.0	112.5
3599	39.0	41.0	77.5	8.5	77.5	10.0	182.0	124.0	151.0	125.0	212.0	53.0	50.0
3611	164.0	166.0	199.5	243.0	201.0	244.0	168.5	209.0	240.0	210.0	239.0	112.5	149.0
3612	105.0	107.0	150.5	133.0	156.0	139.0	213.0	165.0	175.0	166.0	181.0	142.0	160.5
3621	113.0	115.0	155.5	150.0	159.0	153.0	187.0	156.0	165.0	157.0	166.0	119.0	129.5
3622	118.0	120.0	77.5	61.5	79.0	63.0	204.0	168.0	181.0	169.0	191.0	59.0	106.5
3623	208.0	210.0	101.5	220.0	104.0	224.0	229.0	222.0	214.0	223.0	190.0	74.0	71.5
3624	115.0	117.0	205.0	208.0	209.0	213.0	173.0	103.0	117.0	104.0	149.0	60.0	61.5
3629	125.0	127.0	101.5	98.0	96.0	87.0	240.0	133.0	152.0	134.0	187.0	127.0	149.0
3631	230.0	232.0	40.0	93.5	32.5	85.0	226.0	68.0	62.0	72.0	93.0	186.0	175.0
3632	81.0	83.0	147.0	83.5	181.5	129.0	220.0	93.0	93.5	2.5	2.0	121.5	109.0
3633	213.0	215.0	40.0	88.0	43.5	96.0	215.5	242.0	142.0	243.0	68.0	190.0	177.0
3634	132.0	134.0	111.5	128.5	112.0	127.0	196.0	16.0	15.0	20.0	26.0	196.0	189.5
3635	145.0	147.0	89.0	102.5	97.0	118.0	136.5	127.0	130.0	128.0	119.0	152.0	151.5
3636	53.0	55.0	260.0	251.0	261.0	253.0	78.0	42.0	28.0	46.0	86.5	100.5	109.0
3639	40.0	42.0	226.0	123.5	223.0	116.0	231.0	82.0	78.0	86.0	103.0	137.5	133.0
3641	131.0	133.0	169.0	185.5	172.0	186.0	151.0	104.0	114.0	105.0	121.0	63.0	80.0
3642	55.0	57.0	144.0	61.5	148.0	62.0	125.0	99.0	108.0	100.0	132.0	200.0	223.5
3651	29.0	31.0	251.0	163.5	252.0	172.0	207.0	22.0	11.0	26.0	51.0	134.5	137.0
3661	75.0	77.0	97.5	46.5	103.0	50.5	193.5	118.0	113.0	119.0	79.0	158.5	151.5
3662	68.0	70.0	128.5	61.5	128.5	65.0	247.0	157.0	205.0	158.0	224.0	35.0	73.5
3674	148.0	150.0	225.0	250.0	224.0	251.0	254.0	174.0	220.0	175.0	238.0	141.0	135.5
3679	151.0	153.0	111.5	157.5	117.0	158.0	209.0	169.0	208.0	170.0	219.0	136.0	124.5
3691	139.0	141.0	109.0	133.0	107.0	135.5	129.5	141.0	150.0	142.0	153.0	197.0	134.0
3692	128.0	130.0	160.0	171.5	152.0	159.0	67.5	111.0	115.0	112.0	101.0	172.0	173.0
3694	112.0	114.0	164.5	157.5	168.5	161.0	241.0	135.0	172.0	136.0	215.0	42.0	42.0
3702	218.0	220.0	50.0	123.5	49.0	124.0	120.0	224.0	226.0	225.0	211.0	55.0	66.5
3713	74.0	76.0	138.5	75.0	145.0	78.0	261.0	159.0	218.0	160.0	243.0	10.0	11.0
3721	247.0	249.0	62.0	252.0	72.0	257.0	6.0	258.0	260.0	259.0	260.0	121.5	103.5
3722	192.0	194.0	72.5	153.0	73.0	154.0	85.0	247.0	250.0	248.0	250.0	83.5	85.5
3731	235.0	237.0	40.0	155.0	46.5	156.0	199.0	153.5	104.5	154.5	19.5	64.0	71.5
3732	109.0	111.0	189.0	185.5	190.0	182.0	202.0	153.5	104.5	154.5	19.5	71.0	80.0
3741	259.0	261.0	10.5	183.0	8.5	188.0	1.0	262.0	245.0	263.0	227.0	246.0	244.0
3742	134.0	136.0	62.0	46.5	62.5	49.0	29.0	202.0	149.0	203.0	96.0	205.0	219.5
3751	2.0	4.0	259.0	68.0	262.0	75.0	131.5	9.0	4.0	13.0	22.0	160.0	169.0
3799	26.0	28.0	249.0	146.5	245.0	132.0	245.0	50.0	30.0	54.5	100.0	16.0	8.0
3811	96.0	98.0	171.0	146.5	166.0	135.5	99.5	198.0	233.0	199.0	242.0	163.0	95.0
3821	223.0	225.0	130.0	247.0	126.0	249.0	185.5	240.0	248.0	241.0	247.0	203.0	182.0
3822	233.0	235.0	40.0	128.5	43.5	145.5	190.0	259.0	242.0	240.0	235.0	158.5	153.5
3831	63.0	65.0	242.0	211.5	239.0	204.0	108.5	75.0	65.0	79.0	145.0	231.5	226.0
3842	3.0	5.0	82.0	2.0	85.5	1.0	174.0	218.0	229.0	219.0	217.0	115.0	114.0
3843	76.0	78.0	147.0	80.5	150.0	81.5	152.0	235.0	246.0	236.0	245.0	175.5	173.0
3851	66.0	68.0	214.0	157.5	218.0	167.0	164.0	44.0	31.0	48.0	85.0	191.0	209.0
3861	133.0	135.0	188.0	205.5	195.0	210.0	134.0	145.0	183.0	146.0	207.0	104.5	119.0
3871	9.0	11.0	239.0	46.5	242.0	47.5	90.0	17.0	34.5	21.0	17.0	258.0	249.0
3913	90.0	92.0	263.0	263.0	263.0	263.0	69.0	35.0	45.0	39.0	40.0	193.0	184.0
3931	43.0	45.0	227.0	140.0	227.0	144.0	64.0	52.0	27.0	56.0	112.0	198.0	200.0
3941	4.0	6.0	217.5	17.5	220.0	16.5	170.0	28.0	23.0	32.0	58.0	257.0	250.0
3949	17.0	19.0	234.0	75.0	235.0	74.0	188.0	63.0	26.0	67.0	172.0	199.0	197.0
3951	206.0	208.0	105.5	222.0	105.0	223.0	155.0	181.0	192.0	182.0	189.0	238.0	235.5
3952	78.0	80.0	142.0	80.5	149.0	83.5	65.0	149.0	148.0	150.0	136.0	189.0	182.0
3955	253.0	255.0	10.5	98.0	14.0	90.0	44.0	245.0	212.0	246.0	167.0	99.0	91.0
3964	19.0	21.0	195.0	34.5	198.0	34.0	153.5	78.0	77.0	82.0	73.5	244.0	219.5
3981	60.0	62.0	177.0	98.0	183.0	100.0	168.5	46.0	42.0	50.0	73.5	222.5	218.0
3982	182.0	184.0	115.0	199.5	127.0	211.5	16.5	186.0	180.0	187.0	156.0	156.0	143.5
3999	22.0	24.0	245.0	111.0	243.0	110.5	208.0	193.0	262.0	194.0	262.0	182.0	163.5
4703	127.0	129.0	115.0	123.5	108.5	110.5	159.5	163.0	174.0	164.0	184.0	144.5	165.5
5503	57.0	59.0	182.5	93.5	191.5	98.0	233.0	184.0	188.0	185.0	182.0	188.0	182.0
5701	184.0	186.0	149.0	225.0	154.5	228.0	9.5	175.0	222.0	176.0	241.0	115.0	135.5

Table 16.--Rank Correlation matrix of trade performance measures by IO-SIC--Continued

Variable definitions: Variables 2-8 use data directly from U.S. sources. Variables 9-12 use U.S. and other data from United Nations sources. All of the data are for 1970.

TBUS	-	(U.S. exports-imports)/(exports + imports)
TRUS	-	U.S. exports/U.S. imports
RMC	-	Imports/ (Production + Imports-Exports)
REP	-	U.S. Exports/Production
RMCA, REPA	-	Imports/consumption and export/production ratios adjusted to a product basis. This is done by correcting production data from an establishment to a product basis by multiplying by the specialization ratio and dividing by the coverage ratio as defined in the Industry Profiles data book.
PCHM6570	-	Percentage change in imports from 1965 to 1970.

Note that the U.N. prefixed variables denote U.S. data from United Nations sources.

UNUSTB	-	Same as TBUS
UNUSTBWD	-	(U.S. exports-imports)/world exports
UNUSTR	-	Same as TRUS
XUSSXWD	-	U.S. exports/world exports
EP65W, EP70W	-	U.S. 1965 and 1970 effective tariff rates (Nominal tariffs are imports weighted). These rates are the ones given in columns 3 and 5 of Table 8.

Although theories exploring trade performance abound, data to verify or reject them at the product level are not available. Therefore, researchers generally try ot explain trade performance using production sector data. Because of the problems noted above, most explanations account for only 20 to 30 percent of the variation in trade measures.

It is notable that the ET rate correlates negatively with trade performance measures such as trade balances and U.S. export shares of world exports (evidence of the validity of the ET rate as a measure of comparative advantage). Effective protection rates tend to be low in those sectors having good trade performance.

One can observe that export performance measures such as export shares do not correlate with import penetration measures. Trade balance measures seem to catch, to some extent, both good export performance and import competition.

One might expect to find different explanations for export performance than for imports. There are many theories calling for several types of explanatory variables. Unfortunately, this study does not have all of the variables, hence it cannot test all the proposed theories. Furthermore, multicollinearity makes a simultaneous test impossible. The study presents only a few variables explaining trade performance. The number was kept low because of the multicollinearity problem.

Table 17 gives several regression equations of trade performance with four explanatory variables. Some trade performance measures are not explained very well by the variable while others offer better results. 1/

1/ In all cases the number of variables was restricted to a set exhibiting almost no multicollinearity. The R^2 could perhaps have been improved by trial and error addition of more orthogonal variables. It also could be improved significantly by deleting 40-50 of the worst residuals on grounds of data or concordance problems. Size ordered plots of the residuals seemed to indicate that heteroscedasticity was not a problem (though no tests were performed).

Table 17.--Regression results for trade performance measures

REGRESSION OF UNUSTR FOR OBSERVATIONS 1 TO 239.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
KLR	0.16678	0.8925E-01	1.869	0.062915	0.12126
PROFESS	6.2447	1.248	5.002	0.000001	0.31083
GUEPUS	-22.360	13.37	-1.672	0.095762	-0.10849
EPNTBUS	-0.54497	2.120	-0.257	0.797378	-0.01680

INTERCEPT= 125.0 STD.-ERROR= 73.0 T-RATIO= 1.712

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 163.9
VARIANCE OF ESTIMATE= 0.7006
STANDARD ERROR OF ESTIMATE= 0.8370
COEFFICIENT OF DETERMINATION (R-SQ)=0.1229
F(4, 234)= 8.199 P-VALUE= 0.000003
MULTIPLE CORRELATION COEFFICIENT (R)=0.3506
CORRECTED R-SQ=0.1079
BARTEN'S R-SQ=0.1086
STANDARD ERROR AS PERCENT OF MEAN= 18.53738
DURBIN-WATSON STATISTIC= 2.16

REGRESSION OF UNUSTBWD FOR OBSERVATIONS 1 TO 239.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
KLR	0.45620E-01	0.1920E-01	2.376	0.018330	0.15446
PROFESS	1.5848	0.2686	5.900	0.000000	0.35986
GUEPUS	-5.5876	2.877	-1.942	0.053296	-0.12596
EPNTBUS	-0.25520	0.4562	-0.559	0.576440	-0.03654

INTERCEPT= 35.35 STD.-ERROR= 15.7 T-RATIO= 2.250

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 7.591
VARIANCE OF ESTIMATE= 0.3244E-01
STANDARD ERROR OF ESTIMATE= 0.1801
COEFFICIENT OF DETERMINATION (R-SQ)=0.1667
F(4, 234)= 11.702 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.4083
CORRECTED R-SQ=0.1524
BARTEN'S R-SQ=0.1531
STANDARD ERROR AS PERCENT OF MEAN= 3.89062
DURBIN-WATSON STATISTIC= 2.14

REGRESSION OF UNUSTR FOR OBSERVATIONS 1 TO 239.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
KLR	0.13007	0.8601E-01	1.512	0.131816	0.09838
PROFESS	5.8843	1.203	4.891	0.000002	0.30455
GUEPUS	-16.964	12.88	-1.317	0.189257	-0.08575
EPNTBUS	-2.1665	2.043	-1.060	0.290134	-0.06914

INTERCEPT= 101.7 STD.-ERROR= 70.4 T-RATIO= 1.445

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 152.3
VARIANCE OF ESTIMATE= 0.6508
STANDARD ERROR OF ESTIMATE= 0.8067
COEFFICIENT OF DETERMINATION (R-SQ)=0.1149
F(4, 234)= 7.593 P-VALUE= 0.000009
MULTIPLE CORRELATION COEFFICIENT (R)=0.3389
CORRECTED R-SQ=0.0998
BARTEN'S R-SQ=0.1004
STANDARD ERROR AS PERCENT OF MEAN= 74.21809
DURBIN-WATSON STATISTIC= 2.04

REGRESSION OF XUSSXRD FOR OBSERVATIONS 1 TO 239.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
KLR	0.27771E-01	0.8337E-01	0.333	0.739359	0.02177
PROFESS	8.1373	1.166	6.978	0.000000	0.41502
GUEPUS	-11.948	12.49	-0.957	0.339726	-0.06242
EPNTBUS	-3.9037	1.981	-1.971	0.049912	-0.12779

INTERCEPT= 85.84 STD.-ERROR= 68.2 T-RATIO= 1.258

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 143.1
VARIANCE OF ESTIMATE= 0.6114
STANDARD ERROR OF ESTIMATE= 0.7819
COEFFICIENT OF DETERMINATION (R-SQ)=0.1687
F(4, 234)= 13.605 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.4344
CORRECTED R-SQ=0.1748

Table 17.--Regression results for trade performance measures--Cont.

REGRESSION OF TRUS FOR OBSERVATIONS 1 TO 239.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
KLR	0.39762	0.1151	3.454	0.000655	0.22027
PROFESS	3.9322	1.619	2.442	0.015334	0.15756
GUEPUS	-12.820	17.24	-0.743	0.457927	-0.04855
EPNTBUS	2.7115	2.735	0.992	0.322422	0.06464

INTERCEPT= 56.35 STD.-ERROR= 94.2 T-RATIO= 0.598

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 272.7
VARIANCE OF ESTIMATE= 1.165
STANDARD ERROR OF ESTIMATE= 1.080
COEFFICIENT OF DETERMINATION (R-SQ)=0.0829
F(4, 234)= 5.265 P-VALUE= 0.000461
MULTIPLE CORRELATION COEFFICIENT (R)=0.2879
CORRECTED R-SQ=0.0672
BARTEN'S R-SQ=0.0878
STANDARD ERROR AS PERCENT OF MEAN= 25.36046
DURBIN-WATSON STATISTIC= 2.17

CORRELATION MATRIX:

	KLR	PROFESS	GUEPUS	EPNTBUS
KLR	1.0000	0.1122	-0.0733	-0.0441
PROFESS	0.1122	1.0000	0.0786	-0.0258
GUEPUS	-0.0733	0.0786	1.0000	-0.1129
EPNTBUS	-0.0441	-0.0258	-0.1129	1.0000

REGRESSION OF TRUS FOR OBSERVATIONS 1 TO 239.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
KLR	0.38854	0.1250	3.109	0.002109	0.19917
PROFESS	0.21839	1.748	0.125	0.900676	0.00817
GUEPUS	-3.3076	18.72	-0.177	0.859909	-0.01155
EPNTBUS	3.6485	2.969	1.229	0.220335	0.08008

INTERCEPT= -1.871 STD.-ERROR= 102. T-RATIO= -0.018

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 321.4
VARIANCE OF ESTIMATE= 1.374
STANDARD ERROR OF ESTIMATE= 1.172
COEFFICIENT OF DETERMINATION (R-SQ)=0.0456
F(4, 234)= 2.795 P-VALUE= 0.026942
MULTIPLE CORRELATION COEFFICIENT (R)=0.2135
CORRECTED R-SQ=0.0293
BARTEN'S R-SQ=0.0296
STANDARD ERROR AS PERCENT OF MEAN=105.23836
DURBIN-WATSON STATISTIC= 1.94

REGRESSION OF RMC FOR OBSERVATIONS 1 TO 239.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
KLR	-0.53019E-01	0.1107	-0.479	0.632321	-0.03130
PROFESS	0.41430	1.548	0.268	0.789205	0.01749
GUEPUS	33.733	16.58	2.035	0.042995	0.13186
EPNTBUS	-0.75684	2.629	-0.288	0.773698.	-0.01882

INTERCEPT= -173.4 STD.-ERROR= 90.5 T-RATIO= -1.915

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 252.1
VARIANCE OF ESTIMATE= 1.077
STANDARD ERROR OF ESTIMATE= 1.038
COEFFICIENT OF DETERMINATION (R-SQ)=0.0201
F(4, 234)= 1.200 P-VALUE= 0.311496
MULTIPLE CORRELATION COEFFICIENT (R)=0.1418
CORRECTED R-SQ=0.0034
BARTEN'S R-SQ=0.0038
STANDARD ERROR AS PERCENT OF MEAN= 77.09563
DURBIN-WATSON STATISTIC= 1.96

REGRESSION OF RLP FOR OBSERVATIONS 1 TO 239.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(234)	P-VALUE	PARTIAL-R
KLR	0.52639	0.7868E-01	6.690	0.000000	0.40069
PROFESS	4.7746	1.101	4.338	0.000021	0.27284
GUEPUS	15.691	11.79	1.331	0.184417	0.08670
EPNTBUS	1.1888	1.869	0.636	0.525431	0.04154

INTERCEPT= -90.22 STD.-ERROR= 64.4 T-RATIO= -1.402

DEGREES OF FREEDOM= 234
SUM OF SQUARES OF RESIDUALS= 127.4
VARIANCE OF ESTIMATE= 0.5446
STANDARD ERROR OF ESTIMATE= 0.7380
COEFFICIENT OF DETERMINATION (R-SQ)=0.2393
F(4, 234)= 18.398 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.4891
CORRECTED R-SQ=0.2262
BARTEN'S R-SQ=0.2269

Table 17.--Regression results for trade performance measures--Cont'd.

Variable definitions: All variables are in log form, hence the coefficients can be read as elasticities.

Dependent variable: (Complete definitions are given in Table 16). These are all for 1970.

TBUS	-	U.S. trade balance
TRUS	-	Exports/imports
RMC	-	Ratic of imports to consumption
REP	-	Ratio of exports to production
UNUSTB	-	U.S. trade balance
UNUSTBWP	-	U.S. trade balance divided by world exports
UNUSTN	-	Exports/imports
XUSSXWD	-	U.S. exports as a source of world exports
KLR	-	U.S. capital per employee ratio for 1970
PROFESS	-	Professional capital per employee ratio for 1970.
GUEPUS	-	PKR U.S. effective tariff rates from GATT nominal tariff sources. This rate is from column 8 of Table 10.
EPNTBUS	-	U.S. nontariff barrier indices run through the effective tariff rate formula.

The most significant variables explaining export performance are the capital labor ratio and professionals as a percent of the labor force. The latter measure reflects technology and perhaps some concept of human capital.

U.S. exporting industries tend to have much higher percentages of professional employees than those that do not export very much. Also, U.S. export industries seem to be capital intensive by some measures. The NTB measure is not statistically significant, and the effective tariff measure is significant and positive only in the equation explaining the import consumption ratio. 1/

The import consumption ratio is the poorest performing equation, though the significance of the ET rate is consistent with the rank correlation evidence in Table 16.

Based on the variables used here, good export performance seems to be associated with professionals in the work force (or the technology and human capital factor associated with this variable). Also, by most trade performance measures, U.S. exports are in (physical) capital-intensive industries. Industries not competing well with imports tend to be more highly protected. They may also be more labor intensive and have less professionalization of the work force, though the evidence

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1/ The ET measure does have the correct sign in the trade balance equation; however, it is not statistically significant at the 95 percent level.

presented is not strong. More work needs to be done on the import side.

Tariff Patterns

Regression equations in Table 18 give some evidence of the industry characteristics associated with nominal tariff patterns.

The tariff rates seem to be (a) inversely related to the average wage rate, (b) directly related to the degree of industrial concentration, and (c) inversely related to the share of transportation input to production. These variables are reasonable and consistent with other evidence in this study. High wage industries do not need protection, they are competitive. Low wage industries are not as competitive and have protection because of or in relation to their non-competitiveness. Industries with high transport costs in production may incur some of the costs because of the nature of the product. Goods costly to transport or needing costly inputs transported are not as likely to be traded, hence they need less protection. Finally, higher tariffs in more concentrated industries are consistent with the political clout that large companies and unions can wield, thus extracting higher tariffs. Attempts to use these variables to explain effective rate patterns were very weak statistically. This is also a reasonable result since the effective tariff concept was not available when U.S. tariffs were legislated. 1/

1/ This does not mean that the ET concept is not relevant. Desired nominal rates yield a set of ET rates which may be different enough from the nominal rates in absolute terms to yield a quite different linear correlation pattern.

Table 18.--Regression results for tariff levels

REGRESSION OF USIT7070 FOR OBSERVATIONS 1 TO 306.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(302)	P-VALUE	PARTIAL-R
CONCR467	0.60124E-01	0.1683E-01	3.573	0.000410	0.20141
LF470	-4.1231	0.5574	-7.398	0.000000	-0.39467
TRPIMP63	-0.41042	0.1329	-3.088	0.002200	-0.17497

INTERCEPT= 21.78 STD.-ERROR= 1.80 T-RATIO= 12.123

DEGREES OF FREEDOM= 302
SUM OF SQUARES OF RESIDUALS= 0.1056E 05
VARIANCE OF ESTIMATE= 34.96
STANDARD ERROR OF ESTIMATE= 5.912
COEFFICIENT OF DETERMINATION (R-SQ)=0.2016
F(3, 302)= 25.419 P-VALUE= 0.0
MULTIPLE CORRELATION COEFFICIENT (R)=0.4490
CORRECTED R-SQ=0.1937
BARTLETT'S R-SQ=0.1941
STANDARD ERROR AS PERCENT OF MEAN= 64.93069
DURBIN-WATSON STATISTIC= 1.59

CORRELATION MATRIX:

	CONCR467	LF470	TRPIMP63
CONCR467	1.0000	0.2540	-0.2968
LF470	0.2540	1.0000	0.3467
TRPIMP63	-0.2968	0.3467	1.0000

REGRESSION OF USUT70 FOR OBSERVATIONS 1 TO 306.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(302)	P-VALUE	PARTIAL-R
CONCR467	0.65590E-01	0.1505E-01	4.358	0.000010	0.25033
LF470	-4.1474	0.6088	-6.817	0.000000	-0.36516
TRPIMP63	-0.22080	0.1505	-1.468	0.143250	-0.08415

INTERCEPT= 21.48 STD.-ERROR= 2.03 T-RATIO= 10.537

DEGREES OF FREEDOM= 302
SUM OF SQUARES OF RESIDUALS= 0.1353E 05
VARIANCE OF ESTIMATE= 44.80
STANDARD ERROR OF ESTIMATE= 6.693
COEFFICIENT OF DETERMINATION (R-SQ)=0.1638
F(3, 302)= 19.722 P-VALUE= 0.0
MULTIPLE CORRELATION COEFFICIENT (R)=0.4047
CORRECTED R-SQ=0.1555
BARTLETT'S R-SQ=0.1559
STANDARD ERROR AS PERCENT OF MEAN= 65.04976
DURBIN-WATSON STATISTIC= 1.67

REGRESSION OF LUSUT FOR OBSERVATIONS 1 TO 306.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(302)	P-VALUE	PARTIAL-R
LCONC	0.22102	0.5767E-01	3.833	0.000154	0.21535
LWPH	-1.2521	0.1791	-6.992	0.000000	-0.37428
LTRP	-0.22105	0.7312E-01	-3.023	0.002717	-0.17138

INTERCEPT= 3.221 STD.-ERROR= 0.278 T-RATIO= 11.586

DEGREES OF FREEDOM= 302
SUM OF SQUARES OF RESIDUALS= 111.1
VARIANCE OF ESTIMATE= 0.3678
STANDARD ERROR OF ESTIMATE= 0.6065
COEFFICIENT OF DETERMINATION (R-SQ)=0.1786
F(3, 302)= 21.886 P-VALUE= 0.0
MULTIPLE CORRELATION COEFFICIENT (R)=0.4226
CORRECTED R-SQ=0.1704
BARTLETT'S R-SQ=0.1708
STANDARD ERROR AS PERCENT OF MEAN= 27.19466
DURBIN-WATSON STATISTIC= 1.59

REGRESSION OF LUSWT FOR OBSERVATIONS 1 TO 306.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(302)	P-VALUE	PARTIAL-R
LCONC	0.19390	0.6494E-01	2.986	0.003059	0.16934
LWPH	-1.3504	0.2016	-6.696	0.000000	-0.35962
LTRP	-0.28590	0.8234E-01	-3.472	0.000591	-0.19594

INTERCEPT= 3.372 STD.-ERROR= 0.314 T-RATIO= 10.751

DEGREES OF FREEDOM= 302
SUM OF SQUARES OF RESIDUALS= 140.9
VARIANCE OF ESTIMATE= 0.4664
STANDARD ERROR OF ESTIMATE= 0.6829
COEFFICIENT OF DETERMINATION (R-SQ)=0.1686
F(3, 302)= 20.441 P-VALUE= 0.0
MULTIPLE CORRELATION COEFFICIENT (R)=0.4106
CORRECTED R-SQ=0.1605
BARTLETT'S R-SQ=0.1609
STANDARD ERROR AS PERCENT OF MEAN= 32.74797

CORRELATION MATRIX:

	LCONC	LWPH	LTRP
LCONC	1.0000	0.2155	-0.0152
LWPH	0.2155	1.0000	-0.0574
LTRP	-0.0152	-0.0574	1.0000

Table 18.--Regression results for tariff levels--Continued

Variable definition--Dependent variables:

USTT7070	-	U.S. nominal tariff rate for 1970, 1970 import weights were used for aggregation. This rate appears in column 3 of Table 1.
USUT70	-	Same as above except that no weights were used for aggregation. This rate appears in column 3 of Table 3.
LUSWT, LUSUT	-	The above respective variables in log form.

Independent variables:

CONTR467	-	1967 concentration ratio, the percent of sales by the 4 largest companies.
WPH70	-	1970 average hourly wage.
TRPINP63	-	Percent of input purchases from the transportation sector in the 1963 input-output table.
LCONC, LWPH, LTRP	-	The above variables in log form.

Comparative Advantage

Table 19 gives lists of sectors' ranks by a definition of comparative advantage (for 1970). The measure is derived by first regressing the observed comparative efficiency measure on explanatory variables such as wages and real growth rates. Then the fitted values are taken on the true protected comparative efficiency measures. This is done in order to smooth out some of the extreme points observed in the data and to account for the observed disequilibrium in the factor markets. These fitted points are then deflated by the 1970 unweighted ET rate and an NTB deflator. 1/ The NTB deflator was run through the IO table to give an effective NTB index. This does not give much weight to NTB's but it does give some weight for most sectors where they occur and it gives a lot for a few sectors. 2/

The comparative advantage rankings in Table 19 try to incorporate, into one measure, a relative status quo of industries, the ET rate, and some indicator of NTB's. 3/ These rankings are intended for use in comparison with rankings of effective rates alone. They are consistent with the model and the evidence presented explaining the status quo of comparative efficiency measures. They should be better than simple ET rates because they try to account for the existing relative health of industries in the base on which the ET (and NTB) rate is applied. The

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1/ The NTB index was inserted in a different manner for some variables; see the table explanation.

2/ Hence there is an assumption that the NTB index run through the IO table does measure the "height" of the restriction. Practically, to the extent that the assumption is false, the NTB deflator will be close to unity and then will not affect the results.

3/ This is a theoretical way around the multicollinearity problem.

reader must be cautioned that data problems may cause some sector rankings to be wrong; hence, other supplementary data should be used if possible when determining a final ranking of comparative advantage.

The rank correlation matrix shows that the derived CA measures do rank correlate with trade performance measures a bit better than do ET rates above.

Table 19.--Comparative advantage measures, their ranks, and associated data

IO-SIC	CA2A	RCA2A	CA3A	RCA3A	CA2B	RCA2B	CA3B	RCA3B	REP	RMC	UNUSTBWD UNUSTB	XUSSAWD	EP70U	EPNTRUS
2015.	0.221	215.	0.222	216.	0.204	193.	0.206	195.	1.2	0.2	65.4	8.3	10.5	2.4	-6.3
2022.	0.057	7.	0.059	7.	0.147	83.	0.149	87.	0.2	3.9	-88.5	-11.1	0.7	84.3	114.6
2023.	0.145	85.	0.147	86.	0.186	168.	0.188	173.	11.4	2.8	57.4	11.0	15.0	22.1	23.2
2026.	0.145	84.	0.145	82.	0.144	78.	0.144	78.	0.0	0.0	-17.3	-1.7	4.0	12.0	-0.4
2032.	0.138	75.	0.139	74.	0.136	67.	0.137	68.	0.4	0.2	26.6	3.5	8.0	11.2	-1.1
2033.	0.113	34.	0.115	33.	0.112	30.	0.114	31.	3.1	5.2	-30.6	-8.7	9.9	35.5	-0.9
2034.	0.177	147.	0.178	150.	0.177	146.	0.178	148.	14.6	3.2	73.0	19.9	23.5	15.7	0.1
2035.	0.175	144.	0.178	149.	0.164	119.	0.166	124.	1.0	0.4	46.4	12.8	20.2	2.0	-5.4
2037.	0.162	119.	0.162	120.	0.162	116.	0.162	118.	1.1	0.2	-45.9	-10.8	6.4	21.7	0.0
2041.	0.129	56.	0.128	54.	0.169	132.	0.168	128.	5.0	0.7	85.8	28.1	30.4	14.9	24.5
2042.	0.210	204.	0.210	206.	0.212	203.	0.211	205.	1.3	0.5	51.7	12.5	18.3	-16.7	0.6
2043.	0.244	227.	0.241	226.	0.237	224.	0.234	223.	3.2	0.2	27.1	6.1	14.3	0.2	-2.5
2044.	0.067	9.	0.067	8.	0.088	14.	0.088	13.	55.4	1.0	98.7	49.9	50.3	42.0	21.9
2046.	0.137	70.	0.135	67.	0.140	72.	0.138	70.	6.2	1.6	-16.0	-2.4	6.3	27.3	1.6
2051.	0.180	161.	0.181	160.	0.182	163.	0.183	163.	0.1	0.5	-1.6	-0.5	14.6	-5.1	0.9
2071.	0.124	49.	0.125	49.	0.153	98.	0.154	101.	0.9	2.6	16.6	2.7	9.6	30.6	18.7
2072.	0.163	122.	0.165	125.	0.171	135.	0.173	137.	0.5	8.3	-92.3	-16.8	0.7	0.1	3.8
2073.	0.194	181.	0.194	182.	0.210	201.	0.209	202.	1.2	0.8	-49.3	-10.1	5.2	15.2	6.9
2082.	0.224	216.	0.219	215.	0.227	218.	0.222	217.	0.0	1.2	-47.4	-8.0	4.4	10.5	1.4
2083.	0.192	178.	0.186	169.	0.181	160.	0.176	146.	2.0	0.2	23.4	1.2	3.1	-0.6	-4.6
2084.	0.178	149.	0.177	147.	0.189	173.	0.188	174.	0.2	22.9	-97.6	-19.3	0.2	49.9	5.5
2085.	0.137	71.	0.137	69.	0.144	79.	0.144	77.	1.0	23.8	-94.3	-52.0	1.6	37.3	4.2
2086.	0.206	195.	0.208	200.	0.202	191.	0.205	193.	0.1	0.0	51.5	4.6	6.8	-7.5	-1.5
2087.	0.168	130.	0.168	131.	0.165	123.	0.165	121.	3.8	0.7	-21.8	-4.8	8.6	31.6	-1.6
2091.	0.028	2.	0.029	2.	0.025	2.	0.027	2.	13.2	1.2	85.0	56.2	61.2	500.0	-6.8
2092.	0.197	186.	0.195	186.	0.194	180.	0.193	181.	19.2	0.0	0.0	0.0	0.0	75.6	-1.3
2093.	0.139	76.	0.140	75.	0.136	63.	0.136	65.	16.5	43.9	46.8	12.5	19.6	4.0	-2.0
2094.	0.122	45.	0.124	44.	0.121	42.	0.122	41.	28.5	7.7	61.5	20.4	26.8	4.1	-0.7
2096.	0.049	5.	0.049	5.	0.064	6.	0.064	6.	3.4	0.0	100.0	43.2	43.2	401.9	27.1
2098.	0.179	157.	0.181	163.	0.171	134.	0.173	135.	0.1	1.7	-87.7	-14.2	1.0	-2.3	-4.0
2099.	0.183	168.	0.184	167.	0.185	166.	0.186	167.	0.7	1.5	43.5	14.1	23.2	8.5	1.0
2111.	0.159	113.	0.158	108.	0.159	112.	0.158	105.	4.5	0.0	98.0	36.3	36.6	65.4	0.0
2121.	0.097	21.	0.101	23.	0.097	18.	0.101	20.	0.5	1.5	-44.7	-4.5	2.8	3.2	0.0
2131.	0.115	36.	0.117	36.	0.115	34.	0.117	34.	16.6	7.2	46.2	23.7	37.6	55.3	0.0
2241.	0.129	57.	0.133	60.	0.133	59.	0.136	63.	3.1	3.2	-20.1	-5.5	11.0	26.4	1.9
2251.	0.140	77.	0.141	78.	0.150	92.	0.151	95.	0.2	0.0	48.7	3.3	5.0	51.1	6.1
2284.	0.116	38.	0.120	40.	0.118	38.	0.121	39.	2.0	2.2	-15.7	-2.0	5.4	31.6	1.1
2291.	0.046	4.	0.047	4.	0.055	5.	0.056	5.	1.8	0.5	62.3	1.3	1.6	76.0	12.9
2292.	0.100	25.	0.102	25.	0.108	26.	0.110	25.	3.7	8.8	-4.8	-0.6	5.6	46.2	6.4
2293.	0.072	11.	0.073	10.	0.076	10.	0.077	9.	1.8	0.2	13.9	1.6	6.7	56.3	4.5
2295.	0.147	89.	0.148	90.	0.141	75.	0.142	74.	5.3	3.8	38.5	6.9	12.4	12.8	-3.6
2296.	0.088	16.	0.090	16.	0.111	28.	0.113	29.	1.7	0.3	2.9	0.5	9.7	30.7	19.9
2298.	0.076	13.	0.079	13.	0.086	13.	0.089	14.	2.9	20.7	-73.7	-22.2	4.0	34.5	9.6
2299.	0.144	82.	0.147	88.	0.148	87.	0.151	94.	5.0	42.4	-73.4	-20.5	3.7	20.6	2.2
2393.	0.090	18.	0.092	18.	0.116	35.	0.119	37.	0.9	0.4	56.4	2.1	2.9	10.6	21.0
2394.	0.161	116.	0.163	121.	0.158	107.	0.160	114.	0.8	0.1	0.0	0.0	0.0	9.8	-1.5
2396.	0.166	127.	0.166	127.	0.181	159.	0.181	159.	0.4	0.2	30.1	8.2	17.6	13.7	7.5
2399.	0.209	200.	0.209	203.	0.219	214.	0.220	215.	4.8	2.0	37.8	8.8	16.0	24.3	4.3
2426.	0.071	10.	0.075	11.	0.073	8.	0.078	10.	2.3	5.0	-30.3	-10.8	12.4	15.2	2.4
2429.	0.089	17.	0.094	19.	0.089	15.	0.094	16.	5.4	26.2	-19.2	-12.4	26.0	5.1	0.0
2431.	0.178	152.	0.179	156.	0.178	150.	0.179	153.	0.1	1.5	-35.6	-7.3	6.6	2.3	0.0
2432.	0.108	29.	0.109	28.	0.108	25.	0.109	24.	1.6	13.9	-78.6	-27.4	3.7	30.6	0.0
2499.	0.158	109.	0.159	114.	0.157	106.	0.159	111.	1.7	9.2	-56.4	-14.0	5.4	21.3	-0.1
2500.	0.167	129.	0.168	130.	0.167	126.	0.168	127.	0.4	0.1	55.9	10.6	14.8	15.2	0.0
2515.	0.116	37.	0.117	37.	0.118	39.	0.119	38.	0.1	0.0	-62.5	-15.6	4.7	33.4	1.2
2522.	0.168	131.	0.169	133.	0.172	136.	0.172	134.	0.5	0.0	-62.5	-15.6	4.7	16.0	1.6
2591.	0.165	126.	0.166	126.	0.168	128.	0.169	131.	0.3	0.0	-62.5	-15.6	4.7	23.0	1.6
2611.	0.152	98.	0.152	101.	0.152	94.	0.152	96.	50.1	50.9	-0.6	-0.2	20.2	-4.4	-0.1
2621.	0.135	65.	0.135	65.	0.135	61.	0.134	61.	3.2	15.9	-37.4	-14.5	12.1	13.3	-0.2
2631.	0.152	100.	0.150	95.	0.152	97.	0.150	90.	8.7	0.2	64.5	8.1	10.3	4.8	-0.1
2641.	0.204	193.	0.203	194.	0.208	197.	0.207	197.	3.1	0.7	47.8	11.8	18.3	10.0	1.7
2642.	0.183	167.	0.182	166.	0.182	164.	0.182	162.	0.1	0.1	15.7	1.6	6.1	17.0	-0.1
2643.	0.181	163.	0.182	164.	0.180	157.	0.181	160.	0.6	0.0	-97.0	-29.6	0.5	20.1	-0.3
2644.	0.143	81.	0.145	83.	0.143	77.	0.145	80.	6.6	13.4	-40.1	-6.2	4.6	8.6	0.0
2645.	0.136	66.	0.136	68.	0.136	62.	0.136	64.	1.2	0.1	11.3	0.8	3.7	15.9	-0.1
2647.	0.252	230.	0.250	231.	0.251	230.	0.250	232.	0.5	0.0	72.6	9.0	10.7	12.3	-0.1
2649.	0.123	46.	0.125	46.	0.122	45.	0.125	46.	1.2	2.2	37.1	6.4	11.9	20.0	-0.1
2661.	0.130	59.	0.129	56.	0.130	54.	0.129	53.	1.7	0.8	-24.9	-5.6	8.5	24.4	-0.2
2701.	0.154	105.	0.151	100.	0.154	101.	0.152	97.	9.7	4.8	34.8	12.4	24.0	14.6	0.2
2721.	0.179	154.	0.177	148.	0.200	188.	0.198	187.	2.6	0.6	52.8	13.9	20.1	-5.8	9.5
2731.	0.202	192.	0.200	192.	0.215	208.	0.213	208.	5.5	3.5	33.3	12.1	24.3	1.2	5.5
2761.	0.202	191.	0.200	191.	0.200	189.	0.198	186.	0.1	0.0	11.3	0.8	3.7	16.9	-0.9
2782.	0.179	158.	0.181	162.	0.179	152.	0.181	158.	0.5	3.4	-42.4	-13.0	8.6	13.2	-0.1
2821.	0.163	123.	0.161	118.	0.164	122.	0.162	117.	14.2	1.1	72.9	13.4	15.9	22.3	0.5
2822.	0.195	182.	0.191	179.	0.194	181.	0.190	178.	18.4	5.4	-7.8	-4.0	23.4	4.1	-0.2
2823.	0.049	6.	0.051	6.	0.050	4.	0.051	4.	4.0	3.2	-54.9	-6.2	2.5	46.0	0.6
2824.	0.145	83.	0.143	80.	0.145	80.	0.144	79.	4.4	3.2	9.4	1.7	9.8	20.8	0.4
2841.	0.206	196.	0.203	195.	0.207	195.	0.204	192.	1.5	0.1	64.7	11.0	14.0	11.4	0.3
2842.	0.216	213.	0.215	214.	0.215	211.	0.215	211.	2.4	0.1	84.0	15.0	16.4	4.0	-0.3
2843.	0.232	222.	0.230	221.	0.233	221.	0.231	221.	7.6	2.1	80.2	17.5	19.7	25.4	0.5
2844.	0.167	128.	0.167	128.	0.166	124.	0.166	123.	0.4	0.5	32.4	5.3	10.7	37.8	-0.2
2851.	0.161	162.	0.161	161.	0.160	156.	0.160	157.	1.7	0.0	93.9	14.4	14.8	2.8	-0.3
2861.	0.100	24.	0.102	24.	0.103	21.	0.104	21.	24.5	5.1	73.4	24.4	28.8	7.8	2.0
2871.	0.091	19.	0.092	17.	0.090	16.	0.092	15.	9.9	5.3	37.8	12.9	23.4	-10.6	-0.2
2879.	0.292	238.	0.290	238.	0.292	238.	0.290	238.	10.5	2.2	72.2	15.4	18.3	1.1	0.0
2891.	0.189	175.	0.188	175.	0.187	170.	0.186	166.	3.4	2.9	20.0	5.5	16.5	19.4	-1.1
2893.	0.141	79.	0.142	79.	0.141	74.	0.142	75.	2.6	0.5	67.8	13.4	16.6	-2.6	-0.2
2899.	0.179	155.	0.179	157.	0.179	153.	0.180	156.	6.0	4.2	65.7	18.5	23.3	6.7	0.2
2901.	0.213	208.	0.211	208.	0.214	205.	0.211	204.	4.0	2.5	59.6	22.5	30.2	13.5	0.1
2952.	0.169	134.	0.169	134.	0.167	127.	0.167	126.	0.6	0.1	81.3	15.8	17.6	-6.3	-0.7
3011.	0.255	232.	0.251	232.	0.253	232.	0.248	231.	1.9	4.6	-44.8	-11.5	7.1	5.1	-0.8
3021.	0.108	28.	0.111	30.	0.107	24.	0.111	26.	0.2	27.1	-97.8	-42.2	0.5	24.7	-0.4
3031.	0.100	23.	0.099	21.	0.099	20.	0.099	18.	6.5	1.1	55.2	17.6	24.7	-5.0	-0.1
3069.	0.147	88.	0.147	87.	0.147	84.	0.148	84.	3.4	0.9	62.7	11.7	15.2	11.2	0.3
3079.	0.195	185.	0.196	187.	0.199	187.	0.199	189.	0.4	3.7	39.4	8.8	15.5	13.8	1.4
3111.	0.126	52.	0.127	52.	0.122	46.	0.124	45.	3.3	10.8	-40.9	-7.8	5.6	8.4	-2.3
3141.	0.129	54.	0.133	61.	0.129	52.	0.132	57.	0.3	13.4	-98.7	-35.3	0.2	18.5	-0.2
3142.	0.138	72.	0.141	77.	0.137	68.	0.140	72.	0.2	2.8	-41.8	-27.1	18.9	14.7	-0.6
3151.	0.075	12.	0.077	12.	0.075	9.	0.077	8.	3.3	28.7	-81.9	-43.7	4.8	166.7	-0.6
3161.	0.113	32.	0.115	34.	0.112	29.	0.114	32.	2.2	9.2	-83.7	-32.1	3.1	34.4	-0.8
3171.	0.105	26.	0.109	27.	0.104	22.	0.108	22.	0.6	20.0	-83.0	-31.4	3.2	33.3	-0.7
3199.	0.197	187.	0.199	189.	0.197	184.	0.199	188.	0.4	14.0	-76.2	-34.8	5.4	7.1	0.0
3221.	0.242	225.	0.241	225.	0.242	226.	0.240	226.	1.2	0.3	60.2	10.0	13.3	10.5	-0.1
3241.	0.136	67.	0.134	64.	0.136	66.	0.134	60.	0.4	2.6	-73.7	-15.1	2.7	1.5	0.0
3251.	0.093	20.	0.096	20.	0.093	17.	0.096	17.	0.3	0.9	-12.8	-2.1	7.1	11.4	0.0
3253.	0.065	8.	0.068	9.	0.066	7.	0.069	7.	0.6	17.2	-93.5	-10.3	0.4	35.3	1.3
3255.	0.169	133.	0.169	132.	0.169	130.	0.169	129.	11.2	0.3	83.6	19.3	21.2	12.5	0.0

Table 19.--Comparative advantage measures, their ranks, and associated data--Cont.

SIC	CA2A	RCA2A	CA3A	RCA3A	CA2B	RCA2B	CA3B	RCA3B	REI	RPL	UNUSTR	UNUSTRWI	XUSSRAC	EP70	EPNTRS
3261.	0.150	95.	0.150	94.	0.150	90.	0.149	89.	0.4	2.1	39.0	4.0	7.2	26.8	-0.1
3262.	0.106	27.	0.109	26.	0.106	23.	0.109	23.	1.9	46.5	-96.2	-35.2	0.7	54.3	0.0
3263.	0.076	14.	0.081	14.	0.076	11.	0.081	11.	3.2	48.6	-95.3	-49.3	1.2	33.8	-0.1
3264.	0.154	103.	0.154	104.	0.154	100.	0.154	100.	7.8	6.3	16.0	5.5	20.0	15.8	0.0
3274.	0.098	22.	0.099	22.	0.098	19.	0.099	19.	1.4	2.2	-4.3	-0.7	8.2	4.8	0.0
3275.	0.042	3.	0.042	3.	0.042	3.	0.042	3.	0.4	0.1	-21.6	-2.4	4.3	238.5	0.0
3291.	0.118	40.	0.119	39.	0.118	37.	0.118	36.	8.1	7.4	23.3	6.1	16.3	5.7	-0.3
3292.	0.143	80.	0.144	81.	0.143	76.	0.143	76.	2.3	3.6	19.5	3.7	11.2	0.9	-0.2
3293.	0.164	125.	0.165	124.	0.164	121.	0.165	122.	2.5	0.5	6.8	1.9	15.0	3.8	0.0
3295.	0.188	172.	0.189	176.	0.184	165.	0.185	164.	3.3	2.2	17.2	4.2	14.3	-1.0	-1.6
3297.	0.162	120.	0.161	119.	0.162	117.	0.161	116.	9.4	2.2	83.4	19.2	21.1	15.3	0.0
3299.	0.114	35.	0.117	35.	0.113	33.	0.116	33.	4.5	9.8	22.5	4.7	12.7	-5.3	-0.2
3312.	0.135	64.	0.133	63.	0.136	64.	0.134	59.	5.7	8.8	-16.2	-3.4	8.9	9.3	0.4
3331.	0.297	239.	0.299	239.	0.297	239.	0.299	239.	10.6	13.2	-34.4	-5.8	5.5	4.6	0.0
3332.	0.369	243.	0.366	243.	0.368	243.	0.365	243.	0.4	13.3	-71.1	-14.8	3.0	-1.6	-0.1
3333.	0.113	33.	0.114	32.	0.113	32.	0.114	30.	0.4	18.7	-85.2	-21.9	1.9	20.0	0.0
3334.	0.175	140.	0.173	137.	0.175	141.	0.173	136.	12.2	9.6	13.3	3.6	15.1	4.6	-0.1
3339.	0.180	160.	0.187	173.	0.180	154.	0.187	171.	27.9	69.2	-69.3	-23.6	5.2	10.4	-0.1
3351.	0.130	58.	0.130	58.	0.130	55.	0.130	55.	1.2	3.8	-57.5	-9.3	3.4	26.3	-0.1
3352.	0.131	61.	0.130	57.	0.131	57.	0.130	54.	3.3	2.1	31.3	8.1	17.0	19.3	0.0
3356.	-0.047	1.	-0.043	1.	-0.047	1.	-0.043	1.	10.0	4.7	11.6	3.7	17.9	14.1	0.0
3357.	0.195	184.	0.195	185.	0.195	183.	0.195	184.	1.7	2.5	-23.2	-4.8	7.9	7.8	-0.1
3361.	0.150	96.	0.151	96.	0.150	91.	0.151	91.	0.4	0.2	4.8	1.0	11.5	22.7	0.0
3362.	0.156	107.	0.158	109.	0.156	103.	0.158	106.	0.3	0.5	-31.5	-8.5	9.2	19.1	-0.1
3369.	0.160	115.	0.160	116.	0.160	113.	0.160	113.	0.8	0.4	27.7	105.8	100.0	15.1	0.0
3391.	0.198	189.	0.195	184.	0.198	186.	0.195	183.	2.7	1.5	65.4	17.8	22.5	0.9	-0.2
3392.	0.211	205.	0.209	202.	0.210	202.	0.209	199.	2.2	8.5	26.5	4.5	10.8	9.0	-0.1
3399.	0.207	198.	0.206	198.	0.207	196.	0.206	196.	3.4	2.6	40.4	13.3	23.0	10.8	0.0
3411.	0.227	219.	0.224	218.	0.226	217.	0.223	218.	0.3	0.1	22.0	3.9	10.9	18.6	-0.4
3421.	0.086	15.	0.088	15.	0.086	12.	0.088	12.	2.1	11.5	-55.0	-15.6	6.4	60.8	-0.1
3423.	0.175	139.	0.175	142.	0.174	139.	0.175	142.	1.3	7.5	13.6	4.0	16.9	11.9	-0.1
3425.	0.175	138.	0.176	146.	0.174	138.	0.175	145.	4.0	5.4	0.0	0.0	9.3	10.9	-0.1
3429.	0.134	63.	0.135	66.	0.134	60.	0.135	62.	0.6	2.0	13.1	3.4	14.7	20.4	-0.1
3431.	0.151	97.	0.150	93.	0.151	93.	0.149	88.	1.5	0.0	-59.7	-26.0	8.8	35.4	-0.1
3432.	0.137	69.	0.138	72.	0.137	69.	0.137	69.	2.5	0.5	34.0	8.9	17.6	23.8	-0.1
3433.	0.148	90.	0.148	89.	0.147	85.	0.147	83.	0.9	0.8	43.7	7.1	11.7	11.5	-0.2
3441.	0.204	194.	0.203	193.	0.204	192.	0.203	191.	1.5	1.8	-5.2	-1.2	10.7	11.3	-0.2
3442.	0.152	99.	0.153	102.	0.152	95.	0.153	98.	0.8	0.0	11.6	3.1	14.4	10.5	-0.1
3443.	0.207	199.	0.206	197.	0.217	213.	0.215	213.	1.7	0.4	80.1	14.1	15.9	13.1	3.9
3444.	0.198	188.	0.196	188.	0.197	185.	0.196	195.	0.7	0.2	51.4	9.0	13.3	9.9	-0.1
3446.	0.188	171.	0.188	174.	0.187	171.	0.187	172.	0.5	0.1	51.4	9.0	13.3	9.3	-0.1
3449.	0.230	220.	0.228	220.	0.230	219.	0.228	219.	1.4	0.0	51.4	9.0	13.3	10.4	-0.2
3461.	0.176	146.	0.174	140.	0.175	144.	0.174	140.	0.2	0.5	14.1	4.8	19.4	3.7	-0.2
3491.	0.146	87.	0.146	85.	0.145	82.	0.146	82.	0.4	3.6	22.0	3.9	10.9	20.6	-0.3
3493.	0.289	237.	0.287	237.	0.288	237.	0.286	237.	1.9	16.0	-52.5	-41.3	18.7	2.5	-0.2
3497.	0.260	233.	0.257	233.	0.259	233.	0.257	233.	4.6	7.9	-28.6	-7.6	9.4	14.8	-0.1
3499.	0.210	201.	0.210	205.	0.209	198.	0.209	201.	0.9	11.0	11.9	10.0	46.8	13.1	-0.1
3501.	0.146	86.	0.146	84.	0.145	81.	0.145	81.	4.0	7.6	-10.7	-3.2	13.4	21.7	-0.1
3511.	0.252	231.	0.248	230.	0.252	231.	0.248	230.	0.1	2.2	-11.6	-2.7	10.2	32.0	-0.1
3519.	0.242	224.	0.238	224.	0.242	225.	0.238	225.	8.8	5.5	13.5	6.9	28.7	2.1	0.0
3522.	0.186	169.	0.185	160.	0.185	167.	0.185	165.	5.1	7.0	33.1	14.0	28.2	-5.0	-0.1
3531.	0.213	207.	0.210	207.	0.212	204.	0.210	203.	18.8	3.4	74.6	27.6	32.3	9.5	-0.1
3532.	0.175	143.	0.174	139.	0.175	140.	0.174	139.	11.6	1.4	83.9	30.3	33.3	10.8	-0.2
3533.	0.188	173.	0.187	172.	0.188	172.	0.187	170.	7.0	1.1	74.7	25.4	29.7	16.0	-0.1
3534.	0.215	212.	0.214	211.	0.215	210.	0.214	209.	0.9	1.1	73.3	24.0	28.3	8.4	-0.1
3535.	0.195	183.	0.194	183.	0.195	182.	0.194	182.	2.4	1.1	73.3	24.0	28.3	7.1	-0.1
3536.	0.311	241.	0.308	241.	0.311	241.	0.307	241.	3.3	4.8	73.3	24.0	28.3	1.6	-0.1
3537.	0.176	145.	0.175	143.	0.176	145.	0.175	143.	4.8	2.5	66.9	23.5	29.3	8.3	-0.1
3541.	0.161	118.	0.160	117.	0.161	115.	0.160	115.	11.6	7.5	41.1	9.5	16.3	11.8	-0.1
3542.	0.174	137.	0.173	138.	0.174	137.	0.173	138.	8.6	4.6	41.0	9.4	16.2	12.8	-0.1
3548.	0.158	110.	0.159	110.	0.158	108.	0.158	107.	5.2	2.5	53.0	12.6	18.2	10.2	-0.1
3551.	0.175	141.	0.175	141.	0.175	142.	0.175	141.	7.3	8.3	53.6	11.4	16.3	8.0	-0.1
3552.	0.122	43.	0.123	43.	0.122	43.	0.123	43.	13.2	24.9	-3.5	-0.7	9.7	14.5	-0.1
3553.	0.163	121.	0.163	123.	0.163	118.	0.163	120.	6.9	6.0	48.4	10.3	15.8	7.2	-0.1
3555.	0.190	176.	0.189	177.	0.190	176.	0.189	176.	2.7	8.0	30.2	8.9	19.1	11.2	-0.1
3559.	0.215	210.	0.213	210.	0.215	207.	0.213	207.	0.5	0.8	33.8	9.2	18.3	2.8	-0.1
3561.	0.215	209.	0.213	209.	0.214	206.	0.213	206.	7.0	2.6	66.6	21.7	27.1	2.3	-0.1
3562.	0.138	74.	0.137	70.	0.138	71.	0.137	66.	0.2	5.8	14.4	4.1	16.3	12.1	-0.1
3564.	0.230	221.	0.230	222.	0.230	220.	0.230	220.	1.8	2.2	57.3	19.4	26.7	2.9	-0.1
3566.	0.164	124.	0.163	122.	0.164	120.	0.163	119.	0.8	2.0	68.3	15.6	19.2	18.1	-0.1
3567.	0.207	197.	0.206	196.	0.206	194.	0.205	194.	2.1	2.5	64.7	14.0	17.8	10.1	-0.1
3569.	0.168	132.	0.170	135.	0.168	129.	0.169	132.	2.1	16.0	60.3	15.1	20.1	5.3	-0.1
3571.	0.317	242.	0.314	242.	0.317	242.	0.314	242.	3.1	5.6	34.2	14.1	27.7	8.4	0.0
3572.	0.215	211.	0.214	212.	0.215	209.	0.214	210.	3.0	14.3	-18.6	-7.2	15.8	4.0	-0.1
3576.	0.179	153.	0.179	152.	0.178	149.	0.178	149.	6.9	1.8	70.5	11.3	13.6	7.4	-0.2
3579.	0.210	202.	0.210	204.	0.209	199.	0.209	200.	6.7	18.2	73.1	48.3	57.2	9.7	-0.1
3581.	0.126	50.	0.127	50.	0.126	49.	0.127	48.	5.8	1.2	76.2	33.7	39.0	10.2	-0.1
3582.	0.118	39.	0.118	38.	0.117	36.	0.118	35.	10.7	6.5	27.2	5.0	11.7	13.5	-0.3
3585.	0.270	236.	0.268	236.	0.270	236.	0.267	236.	6.2	1.0	77.8	35.1	40.1	1.7	-0.1
3586.	0.122	44.	0.124	45.	0.122	44.	0.124	44.	3.7	1.5	73.1	23.0	27.3	10.2	-0.1
3589.	0.217	214.	0.215	213.	0.217	212.	0.215	212.	1.8	0.6	41.1	9.9	16.9	9.2	-0.1
3599.	0.264	235.	0.263	235.	0.264	235.	0.263	235.	0.1	0.8	18.2	7.4	24.0	1.3	0.0
3611.	0.179	156.	0.179	155.	0.179	151.	0.179	152.	13.2	7.2	63.9	24.7	31.7	26.2	0.0
3612.	0.201	190.	0.200	190.	0.200	190.	0.199	190.	2.1	3.1	38.8	10.5	18.7	9.1	-0.2
3621.	0.159	112.	0.159	111.	0.158	110.	0.159	109.	2.6	3.3	35.3	9.1	17.5	16.3	-0.1
3622.	0.155	106.	0.156	107.	0.155	102.	0.156	103.	0.7	0.8	39.8	11.2	19.6	10.7	-0.1
3623.	0.194	180.	0.191	180.	0.193	179.	0.191	179.	7.7	1.5	70.2	16.1	19.6	5.5	-0.1
3624.	0.190	177.	0.189	178.	0.190	175.	0.189	175.	6.3	7.7	10.0	2.9	15.8	5.8	-0.2
3629.	0.175	142.	0.175	145.	0.175	143.	0.175	144.	1.4	1.5	23.9	7.4	19.2	11.7	-0.1
3631.	0.138	73.	0.138	73.	0.138	70.	0.138	71.	1.3	0.2	-28.4	-7.6	9.6	10.2	-0.1
3632.	0.181	165.	0.180	159.	0.181	158.	0.179	154.	1.1	2.9	0.0	0.0	0.0	7.8	-0.2
3633.	0.169	135.	0.167	129.	0.169	131.	0.167	125.	1.2	0.2	80.1	6.1	6.9	14.6	-0.2
3634.	0.136	68.	0.138	71.	0.136	65.	0.137	67.	2.0	1.9	-82.2	-28.8	3.1	18.0	-0.3
3635.	0.210	203.	0.208	199.	0.210	200.	0.208	198.	1.5	1.1	21.1	4.2	12.0	12.7	-0.1
3636.	0.123	48.	0.125	47.	0.123	47.	0.125	47.	17.6	49.8	-40.3	-17.0	9.1	11.0	-0.1
3639.	0.148	91.	0.148	92.	0.148	86.	0.148	86.	1.9	12.5	-12.3	-2.9	10.5	11.1	-0.1
3641.	0.180	159.	0.180	158.	0.180	155.	0.180	155.	4.2	4.7	10.8	2.4	12.3	6.4	0.0
3642.	0.154	104.	0.154	103.	0.157	105.	0.158	104.	0.7	2.8	6.4	1.7	14.0	29.3	2.0
3651.	0.121	42.	0.123	42.	0.120	41.	0.122	40.	3.1	25.1	-75.6	-32.5	5.2	4.8	-0.2
3661.	0.248	228.	0.245	228.	0.248	228.	0.245	228.	0.5	1.4	14.5	2.1	8.5	8.1	0.0
3662.	0.224	217.	0.222	217.	0.224	216.	0.222	216.	0.7	2.3	36.5	14.9	27.8	5.5	0.0
3674.	0.170	136.	0.170	136.	0.170	133.	0.170	133.	16.9	12.4	41.2	18.0	30.8	11.0	-0.1
3679.	0.159	114.	0.160	115.	0.159	111.	0.159	112.	2.9	1.9	40.3	15.0	26.1	9.8	-0.1
3691.	0.194	179.	0.192	181.	0.193	178.	0.192	180.	2.1	1.0	29.6	7.3	16.1	3.5	-0.1
3692.	0.182	166.	0.182	165.	0.182	162.	0.182	161.	3.3	3.5	13.3	2.4	10.3	14.8	0.0
3694.	0.237	223.	0.235	223.	0.237	223.	0.235	224.	2.9	3.7	26.4	10.3	24.5	1.8	0.0
3702.	0.149	92.	0.148	91.	0.149	88.	0.148	85.	1.9	0.3	70.7	19.6	23.6	10.4	-0.1

Table 19.--Comparative advantage measures, their ranks, and associated data--Cont.

SIC	CA2A	RCA2A		CA3A	RCA3A		CA2B	RCA2B		CA3B	RCA3B		RE	UNUSTRC		UNUSTRD		EP70	EPNTBUS
3713.	0.243	226.		0.242	227.		0.242	227.		0.241	227.		0.9	2.6	37.0	17.6	32.7	-1.0	-0.2
3717.	0.161	117.		0.159	112.		0.161	114.		0.159	108.		3.4	12.1	-17.7	-7.8	18.0	-0.4	-0.2
3721.	0.212	206.		0.208	201.		0.221	215.		0.217	214.		18.1	0.5	95.3	76.4	78.3	7.3	3.5
3722.	0.189	174.		0.187	170.		0.189	174.		0.187	169.		2.7	0.7	83.1	35.6	39.2	5.7	0.0
3731.	0.177	148.		0.175	144.		0.191	177.		0.189	177.		2.8	0.2	34.0	1.3	2.5	8.1	6.6
3732.	0.150	94.		0.151	98.		0.167	125.		0.169	130.		4.2	5.7	34.0	1.3	2.5	9.8	9.4
3741.	0.131	60.		0.129	55.		0.131	56.		0.129	52.		4.0	0.0	99.4	28.2	28.3	36.9	0.0
3742.	0.153	101.		0.151	97.		0.152	96.		0.151	92.		0.5	0.5	59.1	7.3	9.8	21.5	-0.2
3751.	0.178	150.		0.179	154.		0.178	147.		0.179	150.		0.8	49.3	-88.7	-43.2	2.8	36.2	-0.1
3799.	0.306	240.		0.307	240.		0.305	240.		0.306	240.		2.5	24.5	-44.7	-16.6	10.3	0.4	-0.2
3811.	0.248	229.		0.246	229.		0.248	229.		0.246	229.		2.5	4.4	56.2	23.4	32.5	14.3	0.0
3821.	0.140	78.		0.140	76.		0.140	73.		0.140	73.		15.0	2.4	80.1	32.6	36.7	33.7	-0.1
3822.	0.112	31.		0.113	31.		0.112	31.		0.113	28.		2.0	0.2	79.4	26.6	30.0	37.9	0.0
3831.	0.156	108.		0.156	106.		0.156	104.		0.156	102.		6.6	19.6	-19.0	-7.3	15.4	36.3	0.0
3842.	0.227	218.		0.226	219.		0.234	222.		0.233	222.		0.0	0.9	67.7	20.7	25.6	8.9	2.6
3843.	0.154	102.		0.154	105.		0.153	99.		0.154	99.		1.0	2.9	73.6	30.3	35.7	19.6	-0.1
3851.	0.187	170.		0.187	171.		0.186	169.		0.187	168.		2.9	9.2	-47.4	-16.0	8.9	29.0	-0.1
3861.	0.263	234.		0.259	234.		0.263	234.		0.260	234.		6.0	5.6	32.2	11.4	23.4	13.6	0.2
3871.	0.129	55.		0.131	59.		0.129	53.		0.131	56.		0.5	17.4	-81.9	-15.6	1.7	32.0	-0.1
3941.	0.123	47.		0.125	48.		0.125	48.		0.127	50.		0.2	9.6	-65.0	-21.0	5.7	41.4	1.3
3949.	0.119	41.		0.122	41.		0.120	40.		0.123	42.		0.9	15.8	-33.0	-17.7	17.9	17.4	0.6
3951.	0.126	51.		0.127	51.		0.126	50.		0.127	49.		8.0	1.6	47.2	12.5	19.5	32.7	-0.1
3952.	0.109	30.		0.111	29.		0.110	27.		0.112	27.		1.0	2.7	33.3	7.3	14.6	21.2	1.1
3955.	0.178	151.		0.179	151.		0.178	148.		0.178	147.		1.4	0.0	81.3	15.7	17.5	2.5	-0.2
3964.	0.131	62.		0.133	62.		0.131	58.		0.133	58.		0.4	6.4	-17.2	-3.2	7.7	33.3	-0.2
3999.	0.149	93.		0.151	93.		0.149	89.		0.151	93.		1.7	20.4	52.9	84.5	100.0	26.0	0.0
4703.	0.181	164.		0.179	153.		0.181	161.		0.179	151.		1.9	2.0	37.8	10.4	19.0	19.0	0.0
5503.	0.158	111.		0.159	113.		0.158	109.		0.159	110.		1.3	5.2	48.5	12.3	18.8	36.3	-0.1
5701.	0.128	53.		0.128	53.		0.128	51.		0.128	51.		8.4	3.0	41.6	19.0	32.3	13.9	0.0

A

REGRESSION OF FP270 FOR OBSERVATIONS 1 TO 243.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(236)	P-VALUE	PARTIAL-R
GVA6570	0.16265E-02	0.2123E-03	7.663	0.000000	0.44635
WPH70	0.37312E-01	0.1061E-01	3.516	0.000524	0.22313
RMC	-0.33213E-03	0.6488E-03	-0.512	0.609188	-0.03330
EP70U	0.23449E-03	0.1468E-03	1.598	0.111433	0.10345
GVP6570	0.88234E-04	0.1873E-03	0.471	0.638084	0.03064
EPNTBUS	-0.38375E-01	0.8050E-01	-0.477	0.634010	-0.03102

INTERCEPT= 0.6330E-01 STD.-ERROR= 0.925E-01 T-RATIO= 0.685

DEGREES OF FREEDOM= 236
SUM OF SQUARES OF RESIDUALS= 2.367
VARIANCE OF ESTIMATE= 0.1003E-01
STANDARD ERROR OF ESTIMATE= 0.1001
COEFFICIENT OF DETERMINATION (R-SQ)=0.2254
F(6, 236)= 11.447 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.4748
CORRECTED R-SQ=0.2057
BARTEN'S R-SQ=0.2067
STANDARD ERROR AS PERCENT OF MEAN= 52.47267
DURBIN-WATSON STATISTIC= 1.88

B

REGRESSION OF EP370 FOR OBSERVATIONS 1 TO 243.

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(236)	P-VALUE	PARTIAL-R
GVA6570	0.15985E-02	0.2121E-03	7.537	0.000000	0.44047
WPH70	0.34369E-01	0.1060E-01	3.242	0.001359	0.20648
RMC	-0.26995E-03	0.6482E-03	-0.416	0.677469	-0.02710
EP70U	0.24008E-03	0.1466E-03	1.637	0.102898	0.10598
GVP6570	0.10914E-03	0.1872E-03	0.583	0.560377	0.03793
EPNTBUS	-0.37719E-01	0.8043E-01	-0.469	0.639529	-0.03051

INTERCEPT= 0.7261E-01 STD.-ERROR= 0.924E-01 T-RATIO= 0.786

DEGREES OF FREEDOM= 236
SUM OF SQUARES OF RESIDUALS= 2.363
VARIANCE OF ESTIMATE= 0.1001E-01
STANDARD ERROR OF ESTIMATE= 0.1001
COEFFICIENT OF DETERMINATION (R-SQ)=0.2173
F(6, 236)= 10.923 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.4662
CORRECTED R-SQ=0.1974
BARTEN'S R-SQ=0.1984
STANDARD ERROR AS PERCENT OF MEAN= 52.37350
DURBIN-WATSON STATISTIC= 1.88

Table 19.--Comparative advantage measures, their ranks, and associated data--Cont.

C REGRESSION OF FP270 FOR OBSERVATIONS 1 TO 243.

THE OBSERVATIONS WERE WEIGHTED BY THE VARIABLE WT

THIS REGRESSION KEPT 31 OF THE WORST RESIDUALS FROM THE PREVIOUS REGRESSION OF FP270

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(205)	P-VALUE	PARTIAL-R
GVA6570	0.10076E-02	0.9274E-04	10.865	0.0	0.60449
WPH70	0.28461E-01	0.4439E-02	6.411	0.000000	0.40867
RMC	-0.96812E-03	0.3066E-03	-3.157	0.001832	-0.21534
EP70U	-0.12224E-04	0.5834E-04	-0.210	0.834258	-0.01463
GVP6570	0.11629E-03	0.8475E-04	1.372	0.171521	0.09540
EPNTBUS	0.51689E-04	0.3174E-03	0.163	0.870805	0.01137

INTERCEPT= 0.5721E-01 STD.-ERROR= 0.164E-01 T-RATIO= 3.485

DEGREES OF FREEDOM= 205
SUM OF SQUARES OF RESIDUALS= 0.3049
VARIANCE OF ESTIMATE= 0.1487E-02
STANDARD ERROR OF ESTIMATE= 0.3856E-01
COEFFICIENT OF DETERMINATION (R-SQ)=0.4415
F(6, 205)= 27.012 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.6645
CORRECTED R-SQ=0.4252
BARTEN'S R-SQ=0.4259
STANDARD ERROR AS PERCENT OF MEAN= 22.02097
DURBIN-WATSON STATISTIC= 1.60

D REGRESSION OF FP370 FOR OBSERVATIONS 1 TO 243.

THE OBSERVATIONS WERE WEIGHTED BY THE VARIABLE WT

THIS REGRESSION KEPT 31 OF THE WORST RESIDUALS FROM THE PREVIOUS REGRESSION OF FP370

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(205)	P-VALUE	PARTIAL-R
GVA6570	0.97853E-03	0.8949E-04	10.935	0.0	0.60696
WPH70	0.25435E-01	0.4283E-02	5.938	0.000000	0.38309
RMC	-0.90680E-03	0.2959E-03	-3.065	0.002470	-0.20932
EP70U	-0.83819E-05	0.5629E-04	-0.149	0.881784	-0.01040
GVP6570	0.12632E-03	0.8178E-04	1.545	0.123977	0.10726
EPNTBUS	0.68353E-04	0.3063E-03	0.223	0.823622	0.01559

INTERCEPT= 0.6751E-01 STD.-ERROR= 0.158E-01 T-RATIO= 4.262

DEGREES OF FREEDOM= 205
SUM OF SQUARES OF RESIDUALS= 0.2838
VARIANCE OF ESTIMATE= 0.1385E-02
STANDARD ERROR OF ESTIMATE= 0.3721E-01
COEFFICIENT OF DETERMINATION (R-SQ)=0.4359
F(6, 205)= 26.407 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.6603
CORRECTED R-SQ=0.4194
BARTEN'S R-SQ=0.4201
STANDARD ERROR AS PERCENT OF MEAN= 21.26738
DURBIN-WATSON STATISTIC= 1.58

E REGRESSION OF FP270 FOR OBSERVATIONS 1 TO 243.

THE OBSERVATIONS WERE WEIGHTED BY THE VARIABLE WT → REGRESSION IS FOR ONLY THE 97 LARGEST SECTORS AS MEASURED BY 1963 IO VALUE-ADDED

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(90)	P-VALUE	PARTIAL-R
GVA6570	0.27363E-02	0.4348E-03	6.293	0.000000	0.55280
WPH70	0.67777E-01	0.1982E-01	3.420	0.000943	0.33915
RMC	0.38632E-03	0.2173E-02	0.178	0.859283	0.01874
EP70U	0.56463E-02	0.8291E-03	6.810	0.000000	0.58513
GVP6570	0.15733E-03	0.3696E-03	0.426	0.671338	0.04483
EPNTBUS	-0.59489E-02	0.4472E-02	-1.330	0.186804	-0.13886

INTERCEPT= -0.1686 STD.-ERROR= 0.786E-01 T-RATIO= -2.146

DEGREES OF FREEDOM= 90
SUM OF SQUARES OF RESIDUALS= 1.114
VARIANCE OF ESTIMATE= 0.1238E-01
STANDARD ERROR OF ESTIMATE= 0.1113
COEFFICIENT OF DETERMINATION (R-SQ)=0.5276
F(6, 90)= 16.751 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.7263
CORRECTED R-SQ=0.4961
BARTEN'S R-SQ=0.4982
STANDARD ERROR AS PERCENT OF MEAN= 50.62584
DURBIN-WATSON STATISTIC= 1.94

Table 19.--Comparative advantage measures, their ranks and associated data--Cont.

F REGRESSION OF FP370 FOR OBSERVATIONS 1 TO 243.

THE OBSERVATIONS WERE WEIGHTED BY THE VARIABLE WT → REGRESSION IS FOR ONLY THE 97 LARGEST SECTORS AS MEASURED BY 1967 IO VALUE-ADDED

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(90)	P-VALUE	PARTIAL-R
GVA6570	0.26871E-02	0.4294E-03	6.258	0.000000	0.55065
WPH70	0.66298E-01	0.1957E-01	3.388	0.001047	0.33630
RMC	0.55026E-03	0.2146E-02	0.256	0.798195	0.02702
EP70U	0.57848E-02	0.8188E-03	7.065	0.000000	0.59727
GVP6570	0.20836E-03	0.3650E-03	0.571	0.569474	0.06007
EPNTBUS	-0.65805E-02	0.4416E-02	-1.490	0.139709	-0.15516

INTERCEPT= -0.1665 STD.-ERROR= 0.776E-01 T-RATIO= -2.145

DEGREES OF FREEDOM= 90
SUM OF SQUARES OF RESIDUALS= 1.086
VARIANCE OF ESTIMATE= 0.1207E-01
STANDARD ERROR OF ESTIMATE= 0.1099
COEFFICIENT OF DETERMINATION (R-SQ)=0.5373
F(6, 90)= 17.417 P-VALUE= 0.000000
MULTIPLE CORRELATION COEFFICIENT (R)=0.7330
CORRECTED R-SQ=0.5064
BARTEN'S R-SQ=0.5085
STANDARD ERROR AS PERCENT OF MEAN= 50.27824
DURBIN-WATSON STATISTIC= 1.92

G REGRESSION OF FP270 FOR OBSERVATIONS 1 TO 243.

THE OBSERVATIONS WERE WEIGHTED BY THE VARIABLE WT → REGRESSION INCLUDES ONLY SECTORS WITH IMPORT/CONSUMPTION RATIOS EQUAL TO OR GREATER THAN 5 %

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(71)	P-VALUE	PARTIAL-R
GVA6570	0.10370E-02	0.2486E-03	4.171	0.000085	0.44360
WPH70	0.50503E-01	0.1425E-01	3.544	0.000702	0.38769
RMC	-0.34704E-03	0.6459E-03	-0.537	0.592730	-0.06364
EP70U	0.38524E-03	0.4084E-03	0.943	0.348789	0.11124
GVP6570	0.15184E-03	0.1880E-03	0.808	0.422060	0.09540
EPNTBUS	0.44538E-02	0.4227E-02	1.054	0.295637	0.12407

INTERCEPT= -0.1234E-01 STD.-ERROR= 0.533E-01 T-RATIO= -0.232

DEGREES OF FREEDOM= 71
SUM OF SQUARES OF RESIDUALS= 0.3648
VARIANCE OF ESTIMATE= 0.5139E-02
STANDARD ERROR OF ESTIMATE= 0.7168E-01
COEFFICIENT OF DETERMINATION (R-SQ)=0.3073
F(6, 71)= 5.249 P-VALUE= 0.000160
MULTIPLE CORRELATION COEFFICIENT (R)=0.5543
CORRECTED R-SQ=0.2487
BARTEN'S R-SQ=0.2550
STANDARD ERROR AS PERCENT OF MEAN= 39.04451
DURBIN-WATSON STATISTIC= 0.87

H REGRESSION OF FP370 FOR OBSERVATIONS 1 TO 243.

THE OBSERVATIONS WERE WEIGHTED BY THE VARIABLE WT → REGRESSION INCLUDES ONLY SECTORS WITH IMPORT/CONSUMPTION RATIOS EQUAL TO OR GREATER THAN 5%

THE METHOD OF ESTIMATION WAS OLS .

VARIABLE	COEFFICIENT	STD.-ERROR	T(71)	P-VALUE	PARTIAL-R
GVA6570	0.99578E-03	0.2481E-03	4.013	0.000147	0.42998
WPH70	0.46719E-01	0.1422E-01	3.285	0.001585	0.36624
RMC	-0.32085E-03	0.6445E-03	-0.498	0.620174	-0.05897
EP70U	0.38231E-03	0.4076E-03	0.938	0.351451	0.11063
GVP6570	0.17652E-03	0.1876E-03	0.941	0.350024	0.11096
EPNTBUS	0.43676E-02	0.4219E-02	1.035	0.304026	0.12195

INTERCEPT= 0.1815E-02 STD.-ERROR= 0.532E-01 T-RATIO= 0.034

DEGREES OF FREEDOM= 71
SUM OF SQUARES OF RESIDUALS= 0.3633
VARIANCE OF ESTIMATE= 0.5116E-02
STANDARD ERROR OF ESTIMATE= 0.7154E-01
COEFFICIENT OF DETERMINATION (R-SQ)=0.2891
F(6, 71)= 4.813 P-VALUE= 0.000359
MULTIPLE CORRELATION COEFFICIENT (R)=0.5377
CORRECTED R-SQ=0.2290
BARTEN'S R-SQ=0.2355

Table 19.--Comparative advantage measures, their ranks, and associated data--Cont.

VARIABLE	(NO)	(FOR 243 OBSERVATIONS)
CA2A	(2)	
CA3A	(3)	
CA2B	(4)	
CA3B	(5)	
REP	(6)	
RMC	(7)	
UNUSTR	(8)	
UNUSTBWD	(9)	
XUSSXWD	(10)	
EP70U	(11)	
EPNTBUS	(12)	

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(2)	******	0.999	0.987	0.985	-0.046	-0.164	0.251	0.269	0.260	-0.485	-0.133
(3)	******	******	0.985	0.985	-0.052	-0.157	0.243	0.262	0.255	-0.485	-0.135
(4)	93.678	90.151	******	0.999	-0.046	-0.166	0.255	0.271	0.254	-0.462	-0.049
(5)	89.740	89.861	******	******	-0.051	-0.158	0.247	0.264	0.249	-0.460	-0.047
(6)	-0.720	-0.809	-0.711	-0.793	******	0.316	0.338	0.366	0.435	-0.098	0.018
(7)	-2.577	-2.464	-2.615	-2.490	5.173	******	-0.423	-0.325	-0.062	0.023	-0.006
(8)	4.030	3.885	4.100	3.964	5.575	-7.252	******	0.940	0.727	-0.214	0.024
(9)	4.334	4.210	4.376	4.247	6.111	-5.336	42.751	******	0.846	-0.230	0.054
(10)	4.180	4.096	4.085	3.987	7.507	-0.966	16.454	24.605	******	-0.263	0.039
(11)	-8.598	-8.600	-8.085	-8.033	-1.524	0.356	-3.394	-3.676	-4.234	******	0.257
(12)	-2.076	-2.123	-0.762	-0.731	0.282	-0.095	0.370	0.833	0.603	4.137	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF

Table 19.--Comparative advantage measures, their ranks, and associated data--Continued

Definitions of the variables:

Comparative advantage measures were derived by taking estimated values of (value added/total factors) and deflating by the effective tariff rate. Two methods were used in an attempt to incorporate information on NTB's. Method A was to multiply the ET deflator times an effective NTB index. Method B was to calculate a predicted value of comparative efficiency which set the NTB independent variable equal to zero. CA measures were run for two- and three-factor models. The units are free trade dollars of value-added per dollar of factor (capital and labor).

CA2A	-	(Fitted value of FP270)/[1 + (EP70U/100)] X [1 + (EPNTBUS/100)] for a two-factor model (capital and labor).
CA3A	-	As above (using FP370) for a three-factor model (capital, non-production workers, and production workers).
CA2B	-	(Predicted value of FP270 setting EPNTBUS=0)/ [1 + (EP70U/100)] for a two-factor model.
CA3B	-	As above (using FP370) for a three-factor model.
RCA2A, RCA3A, RCA2B, RCA3B	-	Ranks of above (from low to high comparative advantage)
REP	-	Ratio of exports to production
RMC	-	Ratio of imports to consumption
UNUSTB	-	U.S. trade balance (exports-imports) over (exports + imports). (U.N. sourced data)
UNUSTBWD	-	U.S. trade balance divided by world trade (exports)

Table 19.--Comparative advantage measures, their ranks, and associated data--Continued.

XUSSXWD	-	U.S. exports as a share of world exports (U.N. sourced)
EP70U	-	1970 effective tariff rate using unweighted nominal tariff averages
EPNTBUS	-	NTB frequency indices run through the ET formula
FP270	-	Observed comparative efficiency for 1970 in a two-factor model. Labor is converted to capital units via sector size weighted averages of the rates of return to capital and the wage rate
FP370	-	Observed comparative efficiency measure for 1970 using a three-factor model. Calculated in the same manner as FP270
WPH70	-	Average 1970 wage
GVA6570	-	Growth of value-added from 1965 to 1970
GVP6570	-	Growth of the effective price index from 1965 to 1970. The effective price index was calculated by running sector price deflators through the ET formula.

Table 19.--Comparative advantage measures, their ranks, and associated data--Continued.

Various types of regressions follow the table of comparative advantage measures and their ranks.

The first two equations (A & B) are used to estimate the fitted and predictive values for the CA2A, CA2B, CA3A, and CA3B. The remaining regression equations are attempts to improve the explanatory fit of observed comparative efficiency measures by in effect removing certain observations from the original set of 243 industries (using a dummy weighting scheme).

The fit (in terms of R^2) does improve remarkably in many cases. (It might be productive to re-run the CA measures using data from these improved reduced sample equations.)

The first two additional equations (C & D) removed 31 of the worst resuduals from equations A & B. The R^2 doubled.

Equations E & F are the most interesting because they cover approximately the 97 largest sectors of the economy (as measured by value-added). Here the fit is remarkable. Furthermore, the ET rate is highly significant, indicating that for the large industries in the economy, the ET helps to more than maintain the existing comparative efficiency.

Equations G & H cover industries with import consumption ratios of above five percent.

Generally, the significant explanatory variables are growth rates and wages. However, for large industries, it appears that the ET rate may also be helping to boost comparative industry performance.

Table 19.--Comparative advantage measures, their ranks, and associated data--Continued.

There was a small amount of multicollinearity in the equations, a factor which must be considered when doing more refined explanatory work. However, since these equations were used for forecast or predicted values of the dependent variable (to smooth the CA measure), the multicollinearity problem was not considered serious.

A rank correlation matrix of the various measures presented appears at the end of the table.

APPENDICES

APPENDIX A
Concordance relating the 5-digit Standard International Trade Classification (SITC) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)										NO. OF SUB-CODES PER MASTER CODE
1	101	* 22.30										1
2	102	* 1.40 *	1.90 *	25.00 *	291.96							4
3	103	1.10	1.20	1.30 *	1.40	1.50 *	1.90 *	211.80 *	211.90 *	212.00	261.10	
		* 261.30	262.10 *	262.30 *	262.51	262.59 *	262.90	281.14 *	281.85 *	281.86 *	431.41	
		* 431.42 *	651.11 *	651.12 *	651.13 *	651.14 *	651.15 *	899.91 *	941.00			20
4	201	* 221.60	269.10									2
5	202	41.00 *	42.10	43.00	44.00	45.10	45.20 *	45.90	54.10 *	54.20 *	54.50	
		* 54.61 *	54.81 *	54.82	54.84 *	54.89	81.11	81.12 *	221.10 *	221.40 *	221.50	
		* 221.70 *	221.80 *	221.90 *	292.50 *	292.93 *	292.94 *	292.99				27
6	203	* 121.00										1
7	204	51.10 *	51.20	51.30	51.40	51.50 *	51.71 *	51.72 *	51.91	51.92 *	51.93	
		51.94	51.95 *	51.99 *	53.61 *	53.62 *	53.63 *	53.64 *	54.30 *	54.61 *	54.62	
		* 54.81 *	55.61 *	55.62 *	71.10	72.10 *	221.20 *	221.30 *	221.80 *	221.90		29
8	205	* 51.91 *	51.99	54.40 *	54.50 *	54.61 *	54.62 *	54.81 *	54.82 *	54.89 *	74.10	
		* 74.20	75.21 *	99.06 *	264.00 *	265.10 *	265.20 *	265.30 *	265.40 *	265.50 *	265.80	
		* 292.30 *	292.40 *	292.91 *	292.92 *	292.93 *	292.94					26
9	206	* 54.82 *	54.89 *	221.20 *	221.30 *	221.40 *	221.50 *	221.60 *	221.70 *	221.80 *	221.90	
10	207	* 54.50 *	54.61 *	54.81 *	75.10 *	75.22 *	75.23 *	75.24	75.25 *	75.29 *	221.80	10
		* 221.90 *	292.40 *	292.50	292.61	292.69 *	292.71 *	292.72 *	292.99	321.70 *	421.90	
		431.43										21
11	400	* 31.10 *	31.30 *	32.01 *	32.02 *	231.10 *	231.40 *	276.94 *	291.14 *	291.15 *	291.97	
		* 291.98	292.10 *	299.20 *	292.30 *	292.40 *	292.71 *	292.72 *	292.91 *	411.10 *	431.41	
		* 431.42 *	512.11 *	512.12 *	512.13 *	512.14 *	512.21 *	512.22 *	512.23 *	512.24 *	512.25	
		* 512.26 *	512.27 *	512.28 *	512.31 *	512.32 *	512.33 *	512.41 *	512.42 *	512.43 *	512.51	
		* 512.52 *	512.53 *	512.61 *	512.62 *	512.63 *	512.64 *	512.69 *	512.71 *	512.72 *	512.73	
		* 512.74 *	512.75 *	512.76 *	512.77 *	512.78 *	512.79 *	512.81 *	512.82 *	512.83 *	512.84	
		* 512.85 *	512.86 *	512.87 *	512.91 *	512.92 *	512.99	862.10 *	862.30 *	899.35 *	941.00	70
12	500	281.30	281.60	283.21	283.70	283.91	283.92 *	283.93 *	283.99			8
13	601	281.11	281.12									2
14	602	* 276.99	283.30	283.40	283.50	283.60 *	283.93 *	283.99 *	285.01	286.00 *	513.25	
		* 513.10 *	513.20 *	513.30								11
15	700	321.60 *	321.50	321.60								3
16	800	331.01 *	341.10 *	341.20								4
17	900	* 111.01 *	273.11	273.12	273.13 *	273.21	273.22	273.30	273.40 *	275.10	275.21	
		* 275.22 *	275.23	276.21	276.22 *	276.23 *	276.24	276.40	276.51 *	276.52 *	276.54	
		* 276.91 *	276.94 *	276.95 *	276.99 *	513.54 *	541.70 *	599.71 *	599.75 *	599.76 *	599.77	
		* 599.78 *	599.81 *	599.82 *	599.83 *	599.84 *	599.85 *	599.89 *	641.31 *	661.32 *	661.33	
		* 665.81 *	667.20 *	667.30 *	895.92 *	895.95						45
18	1000	271.30	271.40	274.10	274.20	276.30 *	276.54	276.92	276.93 *	276.97		
		* 276.99 *	513.52 *	513.53 *	561.10 *	561.30						15
19	1419	61.10	61.20	61.50 *	81.90 *	81.93						5
20	1701	657.50	657.60 *	657.80								3
21	1804	* 611.00 *	629.10 *	629.98 *	629.99 *	654.03 *	655.10	655.71	655.72 *	719.94	841.11	
		* 841.12	841.13	841.14	841.21 *	841.22	841.23	841.24	841.25	841.26 *	841.29	
		* 841.30 *	841.41 *	841.43 *	841.44 *	841.45	841.51	841.52 *	841.53 *	841.54 *	841.59	
		* 841.60	842.01	842.02 *	899.00							14
22	1925	* 951.02 *	951.06									2
23	1929	* 951.02 *	951.06									2
24	1931	735.10	951.01									2
25	1951	* 894.31 *	894.32 *	894.33	951.03	951.04	951.05					6
26	1961	* 571.22	571.60 *	899.98 *	951.02 *	951.06						5
27	1990	* 951.02 *	951.06									2
28	2011	* 11.10	11.20	11.30 *	11.40	11.50	11.60 *	11.81 *	11.89 *	12.10 *	12.90	
		* 13.10 *	13.40 *	13.80 *	91.30 *	91.40 *	99.02 *	99.09	211.10	211.20	211.40	
		211.60	211.70 *	211.80 *	211.90 *	212.00 *	291.11	291.12	291.93	291.95 *	291.98	
		* 291.99 *	899.56 *	899.91								33
29	2013	* 11.10 *	12.10 *	12.90 *	13.30 *	13.40 *	13.80					6
30	2015	* 11.40 *	11.81 *	11.89 *	12.90 *	13.80 *	25.00					6
31	2021	* 25.30	27.00									2
32	2022	26.00										1
33	2023	22.10	22.20 *	46.01 *	46.02 *	47.01 *	47.02 *	48.11 *	599.53			8
34	2024	* 99.02 *	99.09									2
35	2026	* 25.30 *	111.02									2
36	2031	31.20 *	32.01 *	32.02 *	99.05							4
37	2032	* 99.05										1
38	2033	* 51.20 *	51.93 *	53.30	53.50 *	53.61 *	53.62 *	53.63 *	53.64 *	53.70 *	54.62	
		* 55.61 *	55.82 *	112.20 *	599.71 *	599.75 *	599.76 *	599.77 *	599.78 *	599.91 *	599.92	
		* 599.93 *	599.96 *	599.95 *	599.99 *	895.95						25
39	2034	52.01	52.02	52.03	52.09 *	53.61 *	53.62 *	53.63 *	53.64 *	54.20 *	55.10	
		* 55.41 *	55.42 *	55.43 *	55.44 *	292.50						15
40	2035	99.03 *	99.04									2
41	2036	* 31.10 *	31.30 *	32.01 *	32.02							4
42	2037	* 53.61 *	53.62 *	53.63 *	53.64 *	54.50 *	54.61 *	54.81				7
43	2041	* 46.01 *	46.02 *	47.01 *	47.02 *	48.11 *	81.20	599.52				7
44	2042	81.13 *	81.40 *	81.01 *	81.92 *	81.94 *	81.99 *	291.99				7
45	2043	48.12										1
46	2044	* 42.10	42.20 *	46.01 *	46.02 *	47.01 *	47.02 *	48.11 *	81.20			8
47	2045	* 46.01 *	46.02 *	47.01 *	47.02 *	48.11 *	81.20					6
48	2046	55.45 *	61.90 *	422.90	599.51	599.57						5
49	2051	48.41 *	48.42 *	48.82 *	48.83							4
50	2052	* 48.42 *	48.82 *	48.83								3
51	2071	* 51.72	53.20 *	53.90 *	62.01 *	73.00 *	221.10					6
52	2073	72.20	72.31	72.32 *	73.00 *	81.91 *	81.92 *	81.94 *	81.99			8
53	2074	* 62.01 *	231.10 *	231.40								3
54	2082	* 48.20	48.81 *	81.03	112.30							4
55	2083	* 48.20										1
56	2084	112.11	112.12	112.13 *	112.20 *	112.40						5
57	2085	* 112.40										1
58	2086	* 111.01 *	111.02									2

APPENDIX A -- Cont.
Concordance relating the 5-digit Standard International Trade Classification (SITC) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)										NO. OF SUB-CODES PER MASTER CODE
59	2087	* 53.30	* 112.40	* 292.91	* 551.21	* 581.22	* 951.23	* 551.24				7
60	2091	* 81.30	263.20	421.30								3
61	2092	421.20										1
62	2093	* 81.30	421.40	421.50	421.60	421.70	422.10	422.20	422.30	422.40	422.50	
		* 422.90	431.20									12
63	2094	* 81.40	* 291.11	291.94	* 291.99	* 411.10	411.31	411.32	411.34	411.35	411.39	
		* 422.90										11
64	2095	* 71.10	71.30									2
65	2096	* 91.30	* 91.40									2
66	2097	* 111.01										1
67	2098	48.30										1
68	2099	* 13.30	* 45.90	* 51.71	* 53.90	54.83	* 55.10	* 55.41	* 55.42	* 55.43	* 55.44	
		* 55.51	* 55.52	61.60	* 61.90	62.02	* 71.10	* 74.10	* 74.20	* 75.10	* 75.22	
		* 75.23	* 75.24	* 75.29	99.01	* 99.02	* 99.06	99.07	* 99.09	* 112.20	* 292.40	
		* 292.91	* 292.99									32
69	2100	* 631.82	632.10	* 632.20	* 899.22							4
70	2111	122.20										1
71	2121	122.10										1
72	2131	122.30										1
73	2141	* 121.00										1
74	2201	* 652.11	* 652.12	* 652.13	* 652.21	* 652.22	* 652.23	* 652.29	* 653.11	* 653.12	653.13	
		* 653.21	653.22	653.31	653.32	653.33	* 653.61	653.62	653.63	653.91	* 653.92	
		* 653.93	* 653.94	* 653.95	* 655.50	* 655.83	* 656.20	656.61	* 656.92			28
75	2241	* 581.10	* 581.20	* 621.01	* 621.02	* 621.03	* 621.04	* 621.05	* 651.71	* 651.72	* 651.73	
		* 651.74	* 651.75	* 651.91	* 651.92	* 651.93	* 651.94	* 653.92	* 653.93	* 653.94	* 653.95	
		* 654.01	* 654.02	* 654.03	* 655.50	* 655.82	* 656.20	* 656.92	* 899.21			28
76	2251	* 841.42										1
77	2252	* 841.29	* 841.42	* 841.44	* 841.45	* 841.60						5
78	2253	* 841.12	* 841.29	* 841.43	* 841.44	* 841.45	* 841.53	* 841.60				7
79	2254	* 841.43										1
80	2256	653.70										1
81	2259	* 656.10	* 656.91	* 841.29	* 841.41	* 841.44	* 841.45	* 841.60				7
82	2280	* 261.30	* 266.22	* 266.32	* 581.10	* 581.20	* 621.01	* 621.02	* 621.03	* 621.04	* 621.05	
		* 651.11	* 651.12	* 651.13	* 651.14	* 651.15	* 651.21	* 651.22	* 651.23	* 651.24	* 651.25	
		* 651.30	* 651.41	* 651.42	* 651.61	* 651.62	* 651.63	* 651.64	* 651.65	* 651.71	* 651.72	
		* 651.73	* 651.74	* 651.75	* 651.91	* 651.92	* 651.93	* 651.94	* 653.92	* 653.93	* 653.94	
		* 653.95	* 654.01	* 654.02	* 654.03	* 655.50	* 656.20	* 656.92				47
83	2284	* 266.22	* 266.32	* 651.11	* 651.12	* 651.13	* 651.14	* 651.15	* 651.30	* 651.41	* 651.42	
		* 651.61	* 651.62	* 651.63	* 651.64	* 651.65						15
84	2291	* 655.10	* 655.81									2
85	2292	654.04	654.05	* 654.06	* 656.20	* 656.91	* 656.92					6
86	2293	* 262.51	* 655.81									2
87	2294	261.20	262.60	* 262.90	263.30	263.40	* 264.00	* 265.10	* 266.33	* 266.40	* 655.61	
		* 655.69	* 655.83									12
88	2295	655.42	* 655.43	655.44	* 655.45	* 655.46						5
89	2296	* 652.11	* 652.12	* 652.13	* 653.61							4
90	2297	262.20	* 262.30	262.70	262.80	* 262.90	266.23	411.34				7
91	2298	* 655.61	655.62	* 655.63	* 894.41							4
92	2299	* 262.51	* 264.00	* 265.10	* 265.20	* 265.30	* 265.40	* 265.50	* 265.80	* 292.92	* 292.93	
		* 292.94	* 651.21	* 651.22	* 651.23	* 651.24	* 651.25	651.51	651.52	* 651.53	* 651.71	
		* 651.72	* 651.73	* 651.74	* 651.75	* 651.91	* 651.92	* 651.93	* 651.94	* 652.21	* 652.22	
		* 652.23	* 652.29	* 653.21	* 653.31	* 653.32	* 653.40	* 653.92	* 653.93	* 653.94	* 653.95	
		* 653.96	* 654.01	* 654.03	* 655.41	* 655.46	* 655.50	* 655.81	* 655.82	* 655.83	* 656.91	50
93	2391	* 656.91										1
94	2392	* 629.30	* 629.98	* 629.99	* 652.21	* 652.22	* 652.23	* 652.29	* 653.80	* 653.96	* 655.10	
		* 656.20	656.62	656.69	* 656.91	* 656.92	657.70	* 664.94	* 719.94	* 821.01	* 821.02	
		* 821.03	* 821.09	* 841.29	* 841.44	* 841.45	* 841.60	* 899.00				27
95	2393	* 656.10										1
96	2395	* 654.03	* 654.06	* 656.20	* 656.91	* 656.92						5
97	2396	* 654.01	* 655.81	* 656.20	* 656.92	* 899.21						5
98	2397	* 613.00	* 654.03	* 654.06	* 656.91	* 841.22						5
99	2399	* 629.40	* 654.06	655.91	655.92	* 656.20	* 656.92	* 841.29	* 841.44	* 841.45	* 841.60	
		* 899.98										11
100	2411	242.10	242.21	242.22	242.31	242.32	242.40	242.90	* 243.22	* 292.30	* 631.84	
												10
101	2421	* 241.10	243.10	243.21	* 243.22	243.31	* 243.32	* 631.83	* 631.86			8
102	2426	* 243.22	* 243.32	* 631.84	* 632.40	* 821.01	* 821.02	* 821.03	* 821.09	* 894.31	* 894.32	
		* 894.33										11
103	2429	* 631.82	* 631.83	* 631.85	* 631.86	* 632.20	* 632.89					6
104	2431	* 631.87	* 632.40									2
105	2432	631.10	631.21	631.22								3
106	2433	* 631.85	* 632.89									2
107	2491	* 243.22	* 243.32	* 631.87	* 632.40							4
108	2499	* 241.10	* 244.01	244.02	* 292.30	631.41	631.42	631.81	* 631.83	* 631.85	* 631.86	
		* 631.87	632.71	632.72	* 632.73	632.81	632.82	* 632.89	633.01	633.02	* 641.60	
		* 657.80	697.92	697.93	* 851.03	* 851.04	* 851.05	* 861.93	* 897.12	* 897.13	* 899.22	30
109	2500	* 641.96	642.11	642.12	* 642.94	* 642.99						5
110	2511	* 821.01	* 821.02	* 821.03	* 821.09							4
111	2512	* 821.01	* 821.02	* 821.03	* 821.09							4
112	2514	* 821.01	* 821.02	* 821.03	* 821.09							4
113	2515	* 821.01	* 821.02	* 821.03	* 821.09							4
114	2519	* 821.01	* 821.02	* 821.03	* 821.09							4
115	2521	* 821.01	* 821.02	* 821.03	* 821.09							4
116	2522	* 821.01	* 821.02	* 821.03	* 821.09							4
117	2531	* 821.01	* 821.02	* 821.03	* 821.09							4
118	2541	* 821.01	* 821.02	* 821.03	* 821.09							4
119	2542	* 821.01	* 821.02	* 821.03	* 821.09							4
120	2549	* 821.01	* 821.02	* 821.03	* 821.09							4
121	2599	* 724.99	* 821.01	* 821.02	* 821.03	* 821.09						5
122	2605	* 892.13	* 892.30	892.41	* 892.42	* 892.43	* 892.44	* 892.49	* 892.50	* 892.51	892.04	10

APPENDIX A.--Cont.

Concordance relating the 5-digit Standard International Trade Classification (SITC) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)	NO. OF SUB-CODES PER MASTER CODE
124	2611	251.20 251.90 251.60 251.71 251.72 251.81 251.82 251.90	8
125	2621	641.10 641.21 * 641.22 641.30 641.40 * 641.50 641.70 641.91 * 641.92 * 641.93	
		* 641.94 641.99 * 642.92 * 642.93	14
126	2631	641.20 * 641.50 * 641.60 * 641.92 * 641.93 * 641.94	6
126	2641	* 641.22 * 641.92 * 641.93 * 641.94 * 695.41	5
127	2642	* 642.20	1
128	2643	* 899.22	1
129	2644	641.97	1
130	2645	* 642.20 * 642.92 * 642.93	3
131	2646	* 641.96 * 642.99	2
132	2647	* 641.40	1
133	2648	* 641.92 * 641.93 * 641.94 * 641.96 * 642.20 642.91 * 642.92 * 642.93 * 642.94 * 642.99	
		* 894.75 899.06	12
134	2661	* 641.60	1
135	2701	* 81.00 * 81.01 * 81.02 * 81.04 * 81.09 * 99.04 276.53 * 276.91 * 276.96 * 276.97	
		* 276.99 * 291.98 * 431.10 * 431.31 * 431.32 * 512.11 * 512.12 * 512.13 * 512.14 * 512.21	
		* 512.22 * 512.23 * 512.24 * 512.25 * 512.26 * 512.27 * 512.28 * 512.31 * 512.32 * 512.33	
		* 512.41 * 512.42 * 512.43 * 512.51 * 512.52 * 512.53 * 512.61 * 512.62 * 512.63 * 512.64	
		* 512.69 * 512.71 * 512.72 * 512.73 * 512.74 * 512.75 * 512.76 * 512.77 * 512.78 * 512.79	
		* 512.81 * 512.82 * 512.83 * 512.84 * 512.85 * 512.86 * 512.87 * 512.91 * 512.92 * 512.99	
		* 513.11 * 513.12 * 513.13 * 513.21 * 513.22 * 513.23 * 513.24 * 513.26 * 513.27 * 513.28	
		513.31 513.32 513.33 513.34 513.35 513.36 513.37 513.39 513.41 513.42	
		513.51 * 513.52 * 513.53 * 513.54 513.55 513.56 513.61 513.62 513.63 513.64	
		* 513.65 * 513.67 * 513.68 513.69 * 514.11 * 514.12 * 514.13 * 514.14 * 514.15 * 514.16	
		* 514.21 * 514.22 * 514.23 * 514.24 * 514.25 * 514.26 * 514.27 * 514.28 * 514.29 * 514.31	
		* 514.32 * 514.33 * 514.34 * 514.35 * 514.36 * 514.37 * 514.91 * 514.92 * 514.93 * 514.94	
		* 514.95 * 514.96 * 514.99 * 515.10 * 514.20 * 515.30 531.01 531.02 * 532.10 * 532.30	
		* 532.50 533.10 * 533.32 * 541.61 * 541.62 * 541.63 * 551.21 * 551.22 * 551.23 * 551.24	
		* 581.10 * 581.32 * 581.91 * 581.92 * 581.99 599.62 * 599.64 * 599.71 599.72 599.73	
		* 599.75 * 599.76 * 599.77 * 599.78 * 599.91 * 599.92 * 599.93 * 599.94 * 599.95 * 599.99	
		* 862.10 * 899.05	142
136	2711	* 892.20	1
137	2721	* 892.20	1
138	2731	* 892.11 * 892.12 * 892.93 * 892.99	4
139	2732	* 892.11 * 892.12 * 892.10 * 892.93 * 892.99	5
140	2741	* 892.11 * 892.12 * 892.13 * 892.30 * 892.92 * 892.93 * 892.99	7
141	2751	* 892.93 * 892.99	2
142	2761	* 642.20 * 642.92 * 642.93	3
143	2771	* 892.47	1
144	2782	642.30	1
145	2789	* 892.11 * 892.12 * 892.20 * 892.93 * 892.99	5
146	2791	* 719.22	1
147	2794	* 719.22	1
148	2821	* 266.21 * 581.10 * 581.20 581.31 * 581.32 * 581.91 * 581.92 * 581.99 * 621.01 * 621.02	
		* 621.03 * 621.04 * 621.05	13
149	2822	581.40 * 581.91 * 581.92 * 581.99	4
150	2823	* 266.22 266.31 * 266.32 * 266.33 * 266.40 * 651.61 * 651.62 * 651.63 * 651.64 * 651.65	
		* 651.66	12
151	2824	* 266.21 * 266.22 * 266.32 * 266.33 * 266.40 * 581.91 * 581.92 * 581.99 * 651.61 * 651.62	
		* 651.63 * 651.64 * 651.65	11
152	2841	* 512.11 * 512.12 * 512.13 * 512.14 * 512.21 * 512.22 * 512.23 * 512.24 * 512.25 * 512.26	
		* 512.27 * 512.28 * 512.31 * 512.32 * 512.33 * 512.41 * 512.42 * 512.43 * 512.51 * 512.52	
		* 512.53 * 512.61 * 512.62 * 512.63 * 512.64 * 512.69 * 512.71 * 512.72 * 512.73 * 512.74	
		* 512.75 * 512.76 * 512.77 * 512.78 * 512.79 * 512.81 * 512.82 * 512.83 * 512.84 * 512.85	
		* 512.86 * 512.87 * 512.91 * 512.92 * 512.99 554.10 * 554.20 * 862.30	40
153	2842	* 441.42 554.30 * 599.71 * 599.75 * 599.76 * 599.77 * 599.78 * 599.91 * 599.92	
		* 599.93 * 599.94 * 599.95 * 599.99 * 899.95	15
154	2843	* 512.11 * 512.12 * 512.13 * 512.14 * 512.21 * 512.22 * 512.23 * 512.24 * 512.25 * 512.26	
		* 512.27 * 512.28 * 512.31 * 512.32 * 512.33 * 512.41 * 512.42 * 512.43 * 512.51 * 512.52	
		* 512.53 * 512.61 * 512.62 * 512.63 * 512.64 * 512.69 * 512.71 * 512.72 * 512.73 * 512.74	
		* 512.75 * 512.76 * 512.77 * 512.78 * 512.79 * 512.81 * 512.82 * 512.83 * 512.84 * 512.85	
		* 512.86 * 512.87 * 512.91 * 512.92 * 512.99 554.10 * 554.20 * 862.30	47
155	2844	* 599.71 * 899.51 * 899.56	3
156	2851	* 533.20 * 533.32 * 533.34 * 533.35	4
157	2861	261.20 * 276.10 * 292.20 * 332.91 * 332.92 * 332.93 * 332.94 * 332.95 * 332.96 * 332.10	
		* 532.30 532.40 * 599.61 599.63 * 599.64 599.65 599.66 * 899.11 * 899.12	
		* 899.13 * 899.14 * 899.15 * 899.16 * 899.17 * 899.18	26
158	2871	* 561.10 * 561.10 561.29 * 561.30 * 561.90	5
159	2872	* 561.10 * 561.90	2
160	2879	* 276.96 * 292.40 * 292.91 * 512.11 * 512.12 * 512.13 * 512.14 * 512.21 * 512.22 * 512.23	
		* 512.24 * 512.25 * 512.26 * 512.27 * 512.28 * 512.31 * 512.32 * 512.33 * 512.41 * 512.42	
		* 512.43 * 512.51 * 512.52 * 512.53 * 512.61 * 512.62 * 512.63 * 512.64 * 512.69 * 512.71	
		* 512.72 * 512.73 * 512.74 * 512.75 * 512.76 * 512.77 * 512.78 * 512.79 * 512.81 * 512.82	
		* 512.83 * 512.84 * 512.85 * 512.86 * 512.87 * 512.91 * 512.92 * 512.99 * 513.67 * 513.68	
		* 514.11 * 514.12 * 514.13 * 514.14 * 514.15 * 514.16 * 514.21 * 514.22 * 514.23 * 514.24	
		* 514.25 * 514.26 * 514.27 * 514.28 * 514.29 * 514.31 * 514.32 * 514.33 * 514.34 * 514.35	
		* 514.36 * 514.37 * 514.91 * 514.92 * 514.93 * 514.94 * 514.95 * 514.96 * 514.99 * 599.20	
		* 599.71 * 599.75 * 599.76 * 599.77 * 599.78 * 599.91 * 599.92 * 599.93 * 599.94 * 599.95	
		* 599.99 * 862.30 * 899.05	91
161	2891	* 292.91 * 599.53 599.55 599.56 599.59 599.74 * 899.11 * 899.12 * 899.13 * 899.14	
		* 899.15 * 899.16 * 899.17 * 899.18	14
162	2892	* 276.96 * 513.67 * 513.68 * 514.11 * 514.12 * 514.13 * 514.14 * 514.15 * 514.16 * 514.21	
		* 514.22 * 514.23 * 514.24 * 514.25 * 514.26 * 514.27 * 514.28 * 514.29 * 514.31 * 514.32	
		* 514.33 * 514.34 * 514.35 * 514.36 * 514.37 * 514.91 * 514.92 * 514.93 * 514.94 * 514.95	
		* 514.96 * 514.99 571.11 571.12 571.21 * 571.22	36
163	2893	* 533.20	1
164	2895	* 513.27 * 513.28	2

APPENDIX A --Cont.

Concordance relating the 5-digit Standard International Trade Classification (SIC) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)										NO. OF SUB-CODES PER MASTER CODE
165	2899	* 291.11	* 332.61	* 332.62	* 431.10	* 431.31	* 431.32	* 512.11	* 512.12	* 512.13	* 512.14	
		* 512.21	* 512.22	* 512.23	* 512.24	* 512.25	* 512.26	* 512.27	* 512.28	* 512.31	* 512.32	
		* 512.33	* 512.41	* 512.42	* 512.43	* 517.51	* 512.52	* 512.53	* 512.61	* 512.62	* 512.63	
		* 512.64	* 512.69	* 512.71	* 512.72	* 512.73	* 512.74	* 512.75	* 512.76	* 512.77	* 512.78	
		* 512.79	* 512.81	* 512.82	* 512.83	* 512.84	* 512.85	* 512.86	* 512.87	* 512.91	* 512.92	
		* 512.99	* 533.20	* 533.31	551.10	* 553.00	571.30	* 599.71	* 599.75	* 599.76	* 599.77	
		* 599.78	* 599.91	* 599.92	* 599.93	* 599.94	* 599.95	* 599.99	* 862.30	* 895.91	* 895.94	
		* 895.95	* 899.51	* 899.56								73
166	2901	* 292.40	* 292.91	* 512.11	* 512.12	* 512.13	* 512.14	* 512.21	* 512.22	* 512.23	* 512.24	
		* 512.25	* 512.26	* 512.27	* 512.28	* 512.31	* 512.32	* 512.33	* 512.41	* 512.42	* 512.43	
		* 512.51	* 512.52	* 512.53	* 512.61	* 512.62	* 512.63	* 512.64	* 512.69	* 512.71	* 512.72	
		* 512.73	* 512.74	* 512.75	* 512.76	* 512.77	* 512.78	* 512.79	* 512.81	* 512.82	* 512.83	
		* 512.84	* 512.85	* 512.86	* 512.87	* 517.91	* 512.92	* 512.99	541.10	541.30	541.40	
		541.50	* 541.61	* 541.62	* 541.63	* 541.70	* 599.54	* 862.30				57
167	2951	* 276.10	* 332.91	* 332.92	* 332.93	* 332.94	* 332.95	* 332.96				7
168	2952	* 641.92	* 641.93	* 641.94								3
169	3011	* 629.10										1
170	3021	* 851.01	* 851.02									2
171	3031	* 231.30	* 621.06									2
172	3069	* 581.10	* 581.20	* 621.01	* 621.02	* 621.03	* 621.04	* 621.05	* 629.30	* 629.40	* 629.98	
		* 629.99	* 719.94	* 893.00								13
173	3079	* 266.21	* 533.34	* 533.35	* 581.10	* 581.20	* 581.32	* 581.91	* 581.92	* 581.99	* 621.01	
		* 621.02	* 621.03	* 621.04	* 621.05	* 629.30	* 629.98	* 629.99	* 655.43	* 655.45	* 655.83	
		* 719.94	* 723.21	* 723.22	* 735.30	* 735.80	* 735.91	* 735.92	* 735.93	* 841.54	* 841.59	
		* 851.01	* 893.00	* 894.23	* 899.54							34
174	3101	* 276.10	* 321.50	331.02	332.10	332.20	332.30	332.40	332.51	* 332.52	* 332.61	
		* 332.62	* 332.91	* 332.92	* 332.93	* 332.94	* 332.95	* 332.96	* 341.10	* 341.20	* 512.11	
		* 512.12	* 512.13	* 512.14	* 512.21	* 512.22	* 512.23	* 512.24	* 512.25	* 512.26	* 512.27	
		* 512.28	* 512.31	* 512.32	* 512.33	* 512.41	* 512.42	* 512.43	* 512.51	* 512.52	* 512.53	
		* 512.61	* 512.62	* 512.63	* 512.64	* 512.69	* 512.71	* 512.72	* 512.73	* 512.74	* 512.75	
		* 512.76	* 512.77	* 512.78	* 512.79	* 512.81	* 512.82	* 512.83	* 512.84	* 512.85	* 512.86	
		* 512.87	* 512.91	* 512.92	* 512.99	* 599.71	* 599.75	* 599.76	* 599.77	* 599.78	* 599.91	
		* 599.92	* 599.93	* 599.94	* 599.95	* 599.99	* 862.30	* 895.95				77
175	3111	611.30	611.40	611.91	611.92	611.93	611.94	611.95	611.99			8
176	3121	* 612.10										1
177	3131	612.30	* 612.90									2
178	3141	* 851.02	* 851.03	* 851.04	* 851.05							4
179	3142	* 851.02	* 851.03	* 851.04	* 851.05							4
180	3151	* 841.30										1
181	3161	* 831.00										1
182	3171	* 698.91	* 831.00	* 899.22								3
183	3172	* 612.90	* 632.73	* 698.91	* 831.00							4
184	3199	* 612.10	612.20	* 612.90	* 831.00							4
185	3221	* 665.11										1
186	3241	* 661.20										1
187	3251	662.41	* 662.42	* 662.43								3
188	3253	* 662.42	* 662.43	662.44	662.45							4
189	3255	* 662.31	* 662.32	* 662.33	* 663.70							4
190	3259	* 662.42	* 662.43									2
191	3261	* 666.50	812.20									2
192	3262	* 666.40										1
193	3263	* 666.50										1
194	3264	* 723.21	* 723.22	* 729.51	* 729.70	* 729.91	* 729.98	* 729.99				7
195	3269	663.91	* 663.92	* 666.40	* 666.50	666.60						5
196	3271	* 663.62										1
197	3272	* 663.62										1
198	3273	* 661.20										1
199	3274	* 276.23	* 276.24	661.10								3
200	3275	* 273.21	661.82	* 663.61								3
201	3281	* 273.11	* 661.31	* 661.32	* 661.33	* 661.81	* 895.92	* 899.11	* 899.12	* 899.13	* 899.14	
		* 899.15	* 899.16	* 899.17	* 899.18							14
202	3291	* 275.10	* 275.22	* 275.23	* 276.96	* 513.65	513.66	* 513.67	* 513.68	* 514.11	* 514.12	
		* 514.13	* 514.14	* 514.15	* 514.16	* 514.21	* 514.22	* 514.23	* 514.24	* 514.25	* 514.26	
		* 514.27	* 514.28	* 514.29	* 514.31	* 514.32	* 514.33	* 514.34	* 514.35	* 514.36	* 514.37	
		* 514.91	* 514.92	* 514.93	* 514.94	* 514.95	* 514.96	* 514.99	663.11	663.12	663.20	
		671.31	* 695.23	* 697.91	* 698.91							44
203	3292	* 629.30	* 629.98	* 629.99	661.83	* 663.81	* 663.82	* 719.94	* 893.00			8
204	3293	* 629.30	* 629.98	* 629.99	* 663.81	* 663.82	* 719.94	* 893.00				7
205	3295	* 276.23	* 276.24									2
206	3296	* 653.80	663.50	* 664.94								3
207	3297	* 662.31	* 662.32	* 662.33	* 663.70							4
208	3299	* 276.52	* 276.95	* 276.96	* 513.67	* 513.68	* 514.11	* 514.12	* 514.13	* 514.14	* 514.15	
		* 514.16	* 514.21	* 514.22	* 514.23	* 514.24	* 514.25	* 514.26	* 514.27	* 514.28	* 514.29	
		* 514.31	* 514.32	* 514.33	* 514.34	* 514.35	* 514.36	* 514.37	* 514.91	* 514.92	* 514.93	
		* 514.94	* 514.95	* 514.96	* 514.99	663.40	* 663.61	* 663.62	* 663.70	* 895.23	* 896.03	40
209	3312	* 276.10	276.62	* 276.96	321.80	* 332.91	* 332.92	* 332.93	* 332.94	* 332.95	* 332.96	
		* 512.11	* 512.12	* 512.13	* 512.14	* 512.21	* 512.22	* 512.23	* 512.24	* 512.25	* 512.26	
		* 512.27	* 512.28	* 512.31	* 512.32	* 512.33	* 512.41	* 512.42	* 512.43	* 512.51	* 512.52	
		* 512.53	* 512.61	* 512.62	* 512.63	* 512.64	* 512.69	* 512.71	* 512.72	* 512.73	* 512.74	
		* 512.75	* 512.76	* 512.77	* 512.78	* 512.79	* 512.81	* 512.82	* 512.83	* 512.84	* 512.85	
		* 512.86	* 512.87	* 512.91	* 512.92	* 512.99	* 513.67	* 513.68	* 514.11	* 514.12	* 514.13	
		* 514.14	* 514.15	* 514.16	* 514.21	* 514.22	* 514.23	* 514.24	* 514.25	* 514.26	* 514.27	
		* 514.28	* 514.29	* 514.31	* 514.32	* 514.33	* 514.34	* 514.35	* 514.36	* 514.37	* 514.91	
		* 514.92	* 514.93	* 514.94	* 514.95	* 514.96	* 514.99	521.10	521.30	521.40	561.21	
		671.10	671.20	671.33	* 671.40	* 671.50	672.10	672.31	672.32	672.33	672.51	
		672.52	672.53	672.71	672.72	672.73	672.90	673.11	673.12	673.13	* 673.21	
		* 673.22	* 673.23	* 673.41	* 673.42	* 673.43	673.51	673.52	673.53	* 674.11	* 674.12	
		* 674.13	* 674.14	* 674.21	* 674.22	* 674.23	* 674.31	* 674.32	* 674.33	* 674.70	* 674.81	
		* 674.82	* 674.83	* 675.01	* 675.02	* 675.03	676.10	676.20	* 677.01	* 677.02	677.03	
		* 678.20	* 678.30	* 678.40	* 862.30							144

APPENDIX A--Cont.
Concordance relating the 5-digit Standard International Trade Classification (SIC) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)	NO. OF SUB-CODES PER MASTER CODE
210	3313	* 276.96 * 513.67 * 513.68 * 514.11 * 514.12 * 514.13 * 514.14 * 514.15 * 514.16 * 514.21 * 514.22 * 514.23 * 514.24 * 514.25 * 514.26 * 514.27 * 514.28 * 514.29 * 514.31 * 514.32 * 514.33 * 514.34 * 514.35 * 514.36 * 514.37 * 514.91 * 514.92 * 514.93 * 514.94 * 514.95 * 514.96 * 514.99 * 671.40 * 671.50	34
211	3315	* 694.11 895.12	2
212	3316	* 673.21 * 674.11 * 674.12 * 674.13 * 674.14 * 674.21 * 674.22 * 674.23 * 674.31 * 674.32 * 674.33 * 674.81 * 674.82 * 674.83	14
213	3317	* 678.20 * 678.30 * 678.40	3
214	3331	* 284.01 682.11 * 682.12 682.13	4
215	3332	* 284.01 685.10 * 698.87	3
216	3333	* 284.01 686.10 * 686.22 * 686.23	4
217	3334	* 684.10	1
218	3339	* 283.22 * 283.99 * 284.01 * 285.01 * 285.02 * 513.11 * 513.12 * 513.13 * 513.23 * 513.24 * 513.26 * 599.71 * 599.75 * 599.76 * 599.77 * 599.78 * 599.91 * 599.92 * 599.93 * 599.94 * 599.95 * 599.99 * 681.11 * 681.21 682.10 * 687.10 * 688.00 * 689.31 * 689.32 * 689.33 * 689.41 * 689.42 * 689.43 * 689.50 * 895.95	35
219	3341	* 283.22 * 283.99 * 284.01 * 285.01 * 285.02 * 513.11 * 513.12 * 513.13 * 513.23 * 513.24 * 513.26 * 599.71 * 599.75 * 599.76 * 599.77 * 599.78 * 599.91 * 599.92 * 599.93 * 599.94 * 599.95 * 599.99 * 681.11 * 682.24 * 683.23 * 683.24 * 687.10 * 688.00 * 689.31 * 689.32 * 689.33 * 689.41 * 689.42 * 689.43 * 689.50 * 895.95	36
220	3351	* 682.21 * 682.22 682.25	3
221	3352	* 684.21 684.22 * 684.23 * 684.25 * 684.26	5
222	3356	* 681.11 681.12 * 681.21 681.22 683.21 * 683.22 * 683.23 * 683.24 685.21 685.22 685.24 686.21 * 686.22 * 686.23 * 687.21 * 687.22 * 687.23 * 687.24 * 689.31 * 689.32 * 689.33 * 689.41 * 689.42 * 689.43 * 689.50 * 897.12 * 897.13	27
223	3357	* 682.21 * 684.21 * 693.12 * 693.13 * 723.10	5
224	3361	* 684.10 * 697.23 * 698.94	3
225	3362	* 697.22 * 698.92	2
226	3369	* 698.93 * 698.95 * 698.96 * 698.97 * 698.98	5
227	3391	679.30 698.40 * 698.91 * 731.70	4
228	3392	* 682.12 * 684.10 * 689.50	3
229	3399	671.32 * 682.24 * 684.22 684.24 * 685.23 * 686.22 * 686.23 * 687.21 * 687.22 * 687.23 * 687.24	11
230	3411	* 692.21 * 692.22 * 692.31 * 692.32	4
231	3421	* 695.10 * 695.22 * 695.23 * 696.01 * 696.02 * 696.03 696.04 * 696.05 * 696.06 * 696.07 * 698.51	11
232	3423	* 695.10 * 695.22 * 695.23 * 695.24 695.25 * 696.06 * 729.92 * 861.93	8
233	3425	695.21	1
234	3429	698.11 * 698.12 * 895.11 * 897.12 * 897.13 899.97	6
235	3431	* 697.22 * 897.12 * 897.13	3
236	3432	* 682.26	1
237	3433	667.11 697.12 719.13	3
238	3441	* 673.41 * 673.42 * 673.43 * 691.10 * 691.20 * 691.30 693.41 693.42 693.43	9
239	3442	* 691.10 * 698.12 * 895.11	4
240	3443	692.11 692.12 692.13 711.10 711.20 * 735.30 * 735.80 * 735.91 * 735.92 * 735.93 819.10	11
241	3444	* 691.10 * 691.20 * 691.30	3
242	3446	* 691.10 * 691.20 * 691.30	3
243	3449	* 691.10 * 691.20 * 691.30	3
244	3461	* 697.21 698.85 * 732.60 * 732.70 * 732.81 * 732.89	6
245	3471	* 673.21 * 673.22 * 673.23 * 674.70 * 674.81 * 674.82 * 674.83 * 675.01 * 675.02 * 675.03 * 677.01 * 677.02 * 682.21 * 686.22 * 686.23 * 689.50	16
246	3479	* 673.21 * 673.22 * 673.23 * 674.70 * 674.81 * 674.82 * 674.83 * 675.01 * 675.02 * 675.03 * 677.01 * 677.02 * 682.21 * 686.22 * 686.23 * 689.50	16
247	3481	* 691.10 693.11 * 693.12 * 693.13 693.20 693.31 693.32 693.33 * 698.30 698.81 * 698.91 * 698.93 * 698.94	13
248	3491	* 692.21 * 692.22 * 692.31 * 692.32	4
249	3492	698.20	1
250	3493	698.61 698.62	2
251	3496	* 692.21 * 692.22 * 692.31 * 692.32	4
252	3497	* 533.32 * 674.11 * 674.12 * 674.14 * 674.21 * 674.22 * 674.31 * 674.32 * 681.11 * 681.21 682.23 * 684.23 * 685.23 * 686.22 * 686.23 * 687.21 * 687.22 * 687.23 * 687.24 * 689.50 * 897.12 * 897.13	22
253	3499	* 693.23 * 693.24 * 689.50 * 694.11 * 694.12 * 694.22 * 695.23 * 697.21 * 697.22 * 697.23 * 698.84 * 698.91 * 698.92 * 698.93 * 698.94 * 698.95 * 698.96 * 698.97 * 698.98 * 729.91 819.30	21
254	3501	* 533.31 651.80 * 655.46 * 664.11 * 664.12 * 664.13 664.20 664.30 664.40 664.50 664.60 664.70 664.80 664.91 664.92 664.93 * 665.11 665.12 * 665.20 * 665.81 * 665.82 * 665.89 * 723.21 * 723.22 812.41 * 861.11 * 894.25	27
255	3511	711.31 711.32 * 711.60 711.81	4
256	3519	* 711.50 * 711.60	2
257	3522	712.10 712.20 * 712.31 712.39 * 712.50 712.91 712.99 * 719.64 * 732.60 * 732.70 * 732.81 * 732.89	12
258	3531	* 695.24 * 712.50 * 718.41 * 718.42 * 718.51 * 719.31 * 719.53	7
259	3532	* 695.24 * 718.41 * 718.42 * 718.51 * 719.31	5
260	3533	* 695.24 * 718.41 * 718.42 * 719.66 * 719.80	5
261	3534	* 719.31	1
262	3535	* 719.31	1
263	3536	* 719.31	1
264	3537	719.32	2
265	3541	* 715.10 * 719.54	2
266	3542	* 715.10 * 719.54	2
267	3548	* 715.22 715.23 * 719.53 729.60	4
268	3551	* 717.31 718.31 718.39 719.19 719.41 * 719.62	6
269	3552	* 717.11 717.12 * 717.13 * 717.14 * 717.15 * 719.61 * 719.66 * 719.80 * 861.94	9
270	3553	718.52 * 719.53 * 719.54	3
271	3554	718.11 718.12 * 719.61	3
272	3555	* 682.22 * 717.15 718.21 * 718.22 * 718.29	5
273	3559	715.21 * 718.51 * 719.64 * 719.66 * 719.80	5
274	3561	* 719.21 * 719.22 * 719.84	3
275	3562	* 719.70	1

APPENDIX A--Cont.
Concordance relating the 5-digit Standard International Trade Classification (SIC) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)	NO. OF SUB-CODES PER MASTER CODE
276	3564	* 719.22	1
277	3565	* 899.11 * 899.12 * 899.13 * 899.14 * 899.15 * 899.16 * 899.17 * 899.18	8
278	3566	* 698.30 719.93	2
279	3567	719.14 * 729.92	2
280	3569	698.82 * 711.70 * 711.89 * 717.11 * 717.14 717.20 * 717.30 * 718.51 718.52 719.11 719.23 719.51 * 719.54 * 719.62 * 719.66 * 719.80 719.99	17
281	3571	* 695.23 * 714.10 714.20 714.30 * 714.91 * 718.29 * 891.11 * 895.93	8
282	3572	* 714.10 * 714.92	2
283	3576	719.63	1
284	3579	* 714.92	1
285	3581	719.65	1
286	3582	* 717.15	1
287	3585	719.12 719.15 * 719.22 * 719.42	4
288	3586	* 719.21	1
289	3589	* 719.62 * 719.66 * 719.80 * 725.03	4
290	3599	* 711.50 * 719.66 * 719.80	3
291	3611	* 722.20 * 729.51 * 729.52 * 729.70 * 729.98 * 729.99	6
292	3612	* 722.10 * 729.52	2
293	3613	* 722.20	1
294	3621	* 722.10	1
295	3622	* 722.20 * 729.51 * 729.70 * 729.98 * 729.99	5
296	3623	* 698.87 * 729.92	2
297	3624	663.63 729.96	2
298	3629	* 722.10 * 729.51 * 729.70 * 729.95 * 729.98 * 729.99	6
299	3631	* 725.05	1
300	3632	* 719.42 725.01	2
301	3633	725.02	1
302	3634	* 725.04	1
303	3635	* 725.03	1
304	3636	* 717.30	1
305	3639	* 696.03 719.43 * 725.03 * 725.04 * 725.05	5
306	3641	729.20 * 729.51 * 729.70 * 729.98 * 729.99	6
307	3642	* 695.82 729.42 812.42 812.43	4
308	3651	724.10 * 724.20 * 724.92 * 891.11 * 891.12	6
309	3652	* 891.20	1
310	3661	724.91	1
311	3662	* 724.20 * 724.99 729.93 729.94 * 891.11	5
312	3674	* 722.10 * 729.30	2
313	3679	* 724.20 * 724.92 * 729.30 * 729.95 * 891.11 * 891.12 * 891.20 * 899.61	8
314	3691	724.12	1
315	3693	729.11	1
316	3694	726.20 * 861.71	2
317	3699	* 723.10 729.41	2
318	3699	* 722.10 * 729.51 * 729.70 * 729.91 * 729.98 * 729.99	6
319	3702	678.10 * 678.50 679.10 679.20 * 691.10 * 715.22 * 719.70 * 731.70	8
320	3713	* 732.60 * 732.70 * 732.81 * 732.89	4
321	3715	* 733.10 * 733.40	2
322	3717	698.91 * 711.50 * 719.21 * 732.10 732.20 732.30 732.40 732.50 * 732.60 * 732.70 * 732.81 * 732.89	12
323	3721	* 734.10 734.91	2
324	3729	711.41 711.42	2
325	3733	* 734.92 * 859.99	2
326	3799	* 734.92 * 898.88	2
327	3741	* 735.30 * 735.80 * 735.91 * 735.92 * 735.93	5
328	3742	* 735.30 * 735.80 * 735.91 * 735.92 * 735.93	5
329	3761	731.10 731.20 731.30 * 897.12 * 897.13	5
330	3762	731.40 731.50 731.61 731.62 731.63 * 731.70	6
331	3791	* 698.84 732.91 732.92 733.11 733.12	5
332	3799	* 733.30 * 733.40	2
333	3799	* 732.10 * 733.30 * 733.40	3
334	3811	* 351.00 * 729.52 * 461.91 861.82 * 861.93 * 861.98 * 861.99 * 899.57 * 911.30 * 931.00 * 961.00 * 981.10 * 981.20 * 981.30 * 981.40 * 981.50 * 981.60 * 982.00	14
335	3821	* 729.52 861.81 861.82 861.95 861.96 * 861.97 * 861.99	7
336	3822	* 861.97 * 861.99	2
337	3831	* 729.52 * 861.11 * 861.12 861.31 861.32 861.33 861.34 861.39 * 861.71 * 861.91 * 861.93 * 861.98	12
338	3841	726.10 * 821.01 * 821.02 * 821.03 * 821.09 * 861.71	6
339	3842	541.91 * 541.99 * 735.30 * 735.80 * 735.91 * 735.92 * 735.93 * 861.71 * 861.72 * 899.61 * 993.62	11
340	3843	* 541.99 * 861.71 * 899.62	3
341	3851	* 861.11 861.21 861.22	3
342	3861	* 512.11 * 512.12 * 512.13 * 512.14 * 512.21 * 512.22 * 512.23 * 512.24 * 512.25 * 512.26 * 512.27 * 512.28 * 512.31 * 512.32 * 512.33 * 512.41 * 512.42 * 512.43 * 512.51 * 512.52 * 512.53 * 512.61 * 512.62 * 512.63 * 512.64 * 512.69 * 512.71 * 512.72 * 512.73 * 512.74 * 512.75 * 512.76 * 512.77 * 512.78 * 512.79 * 512.81 * 512.82 * 512.83 * 512.84 * 512.85 * 512.86 * 512.87 * 512.91 * 512.92 * 512.99 * 714.91 * 861.12 861.40 861.50 861.61 861.69 * 861.81 * 861.98 * 862.30 862.41 862.42 * 862.43 * 895.83	58
343	3871	* 711.70 * 711.89 864.11 864.12 864.13 864.21 864.22 864.23 864.25 864.26 * 864.29	11
344	3872	864.14	1
345	3911	* 698.83 * 897.11 897.14 * 897.20 * 899.14	5
346	3912	* 698.83 * 897.11 * 897.20	3
347	3913	* 667.70 * 667.90 * 667.40 * 864.25	4
348	3914	* 696.01 * 696.06 * 696.07 * 897.12 * 897.13	5
349	3931	* 719.22 891.41 891.42 891.43 891.81 891.82 891.83 891.84 891.85 * 891.89 * 891.90	11
350	3941	* 734.10 894.21 * 894.23 * 894.24 * 894.25	5
351	3942	* 629.30 * 629.98 * 629.99 * 719.94 * 841.12 * 893.09 894.22 * 894.23	8
352	3943	894.10 * 894.23	2
353	3949	* 841.30 * 861.72 * 894.24 * 894.41 894.42 894.50 * 895.23 * 899.22	8

APPENDIX A--Cont.

Concordance relating the 5-digit Standard International Trade Classification (SIC) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)	NO. OF SUBCODES PER MASTER CODE
354	3951	* 698.91 * 861.93 * 895.21 * 895.22	4
355	3952	533.33 * 895.21 * 895.22 * 895.23 * 895.91 * 895.94	6
356	3953	* 895.21 * 895.22	2
357	3955	* 641.92 * 641.93 * 641.94	3
358	3961	* 665.20 * 665.81 * 665.82 * 665.89 * 667.40 * 698.83 * 897.20 * 899.54	8
359	3962	* 292.71 * 292.72 899.26 899.92 899.93	5
360	3963	899.52	1
361	3964	* 698.51 698.52 698.53 * 698.91 * 717.13 * 717.30 * 897.11 * 897.12 * 897.13 899.53	11
		899.55	4
362	3981	899.23 899.24 899.25 899.27	2
363	3982	857.41 857.42	2
364	3983	899.32 899.33	1
365	3984	899.31	2
366	3988	* 698.12 * 895.11	1
367	3993	698.86	3
368	3995	899.41 899.42 899.43	
369	3999	* 291.14 * 291.15 291.91 * 291.92 * 291.97 * 351.00 * 596.20 * 599.71 * 599.75 * 599.76	
		* 599.77 * 599.78 * 599.91 * 599.92 * 599.93 * 599.94 * 599.95 * 599.99 * 629.30 * 629.98	
		* 629.99 * 665.20 * 665.81 * 665.82 * 665.89 * 696.02 * 696.05 * 719.94 * 725.04 * 821.01	
		* 821.02 * 821.03 * 921.09 * 891.99 * 891.90 * 892.13 * 893.00 * 894.24 * 894.25 * 895.95	
		* 899.11 * 899.12 * 899.13 * 899.14 * 899.15 * 899.16 * 899.17 * 899.18 * 899.34 * 899.35	
		* 899.54 * 899.57 899.94 899.95 * 911.00 * 931.00 * 961.00 * 981.10 * 981.20 * 981.30	
		* 981.40 * 981.50 * 981.60 * 982.00	64
370	4101	* 694.11 * 694.12 694.21 * 694.22	4
371	4202	* 676.20 * 678.40 * 678.50 * 682.26 * 683.23 * 683.24 * 684.25 * 684.26 * 686.22 * 686.23	
		719.92	11
372	4703	* 695.24 695.26 * 719.54 719.91 * 861.93	5
373	5503	* 722.20 723.23 864.24	3
374	5701	* 729.30	1
375	6001	* 351.10 * 351.00 * 641.96 * 642.99 * 653.31 * 653.32 * 653.40 * 861.94 * 862.43 862.44	
		862.45 863.01 863.09 * 891.20 * 892.13 * 892.92 896.01 896.02 * 896.33 896.05	
		896.06 * 899.57 * 911.00 * 931.00 * 941.00 * 961.00 * 981.10 * 981.20 * 981.30 * 981.40	
		* 981.50 * 981.60 * 982.00	33
376	8300	* 81.91 * 81.92 * 81.94 * 81.99 * 231.30 * 244.01 * 251.10 267.01 267.02 276.01	
		282.00 * 284.01 284.02 284.03 284.04 284.05 284.06 284.07 284.08 284.09	
		* 285.02 * 292.40 * 351.00 * 513.25 * 581.10 * 581.20 * 581.32 * 621.01 * 621.02 * 621.03	
		* 621.04 * 621.05 * 621.06 * 629.10 * 664.11 * 664.12 * 664.13 * 689.41 * 689.42 * 689.50	
		* 712.50 * 732.10 * 894.31 * 894.32 * 894.33 * 899.57 * 911.00 * 931.00 * 961.00 * 981.10	
		* 981.20 * 981.30 * 981.40 * 981.50 * 981.60 * 982.00	56
377	8999	* 284.01 * 285.02 * 653.11 * 653.12 * 841.12 * 897.12 * 897.13	7

THE NUMBER OF UNIQUE MASTER CODES IS 377

THE NUMBER OF UNIQUE PAIRS OF MASTER AND SUBCODES IS 3367

Source: Prepared by V. Roningen and S. Kontos at the U.S. Tariff Commission.

Note: The master code in the input-output related Standard Industrial Classification (IO-SIC) as defined in the 478 sector 1963 U.S. input-output table. The subcodes original to each IO-SIC are the pure 5-digit Standard International Trade Classification (SITC) numbers. Definition of the SITC can be found in: Commodity Indexes for the Standard International Trade Classification, Series M, No. 38, Vol. 1, United Nations 1963.

A star (*) before each subcode indicates that this particular subcode also appears after another master code. The following description of the preparation of the concordance will emphasize its tentative nature. It was done in such a manner as to mimimize the amount of manual work and maximize the reliance on computer operation in the various preparation stages.

First, modifications of a TSUSA-import based SIC were carried out. This consisted of assignments of IO-SIC numbers to TSUSA numbers. This assigned all IO-SIC numbers (for sectors associated with physical quantities of output) a tariff rate. Some TSUSA numbers were assigned to two or more IO-SIC numbers. The origina header tape also had U.S. import-based SITC numbers for each TSUSA number. When pure SITC numbers were matched with U.S. import-based SITC numbers, it was possible to run the concordance from pure SITC to IO-SIC. Because of some of the shortcuts

in the TSUSA to IO-SIC and pure SITC to import-based-SITC concordances, the resulting pure SITC to IO-SIC concordance may have same SITC numbers assigned to inappropriate IO-SIC sectors. The concordanc is better for converting tariff data to IO-SIC than it is for converting trade data.

All of the concordances are modifications of the basic trade data-production data concordances in: U.S. Foreign Trade Statistics, Classifications and Cross-Classifications, 1970, U.S. Department of Commerce, Bureau of the Census, Wash., D.C., 20233, Feb. 1971

APPENDIX B

CONCORDANCE RELATING THE 5-DIGIT BRUSSELS TARIFF NOMENCLATURE (BTN) TO THE IO-SIC

APPENDIX B

Concordance relating the 5-digit Brussels Tariff Nomenclature (BTN) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)	NO. OF SUB-CODES PER MASTER CODE
1	101	* 04.01	1
2	102	* 01.05 * 01.06A * 04.05 * 05.07	4
3	103	01.01 01.02 01.03 01.04 * 01.05 * 01.06A * 01.06B * 05.02 * 05.03 * 05.07 05.10 * 15.14 * 15.15 * 41.01F * 41.09 * 42.06 * 43.01 50.01 * 50.07 * 50.04 * 50.05 * 50.06 * 50.07 * 50.08 53.01A * 53.02A 53.02B * 53.03	23
4	201	* 12.01F 55.01	2
5	202	07.01A * 07.01C * 07.02 * 07.05 * 07.06 10.01 10.02 10.03 10.04 10.05 * 10.06A * 10.07 * 12.01A * 12.01D * 12.01F * 12.01G * 12.01H * 12.02 * 12.03 * 12.04 12.06 * 12.08 12.09 12.10 * 14.03 * 14.04 * 14.05	27
6	203	* 24.01	1
7	204	* 07.01C * 07.02 * 07.03 * 07.06 09.01A * 08.01B 08.01C 08.02A * 08.02B * 08.03A 08.04A * 08.05 08.06A 08.06B * 09.07 08.08 * 08.09 * 08.10 * 08.11 * 08.13 * 09.01A * 12.01B * 12.01C * 12.01H * 12.02 18.01 * 20.01 * 20.02 * 20.03	29
8	205	07.01B * 07.01C * 07.02 * 07.03 * 07.06 * 08.03A * 08.09 * 09.02 * 09.03 09.05 * 12.04 * 12.07 * 12.08 * 13.03 * 14.01 * 14.02 * 14.03 * 14.04 * 21.06 * 54.01	26
9	206	* 54.02 * 57.01 * 57.02 * 57.03 * 57.04A * 57.04B * 12.01B * 12.01C * 12.01D * 12.01E * 12.01F * 12.01G * 12.01H * 12.02 * 12.04 * 12.08	10
10	207	06.01 06.02 * 06.03 * 06.04 * 07.01C * 07.02 * 07.06 * 09.04 * 09.06 * 09.07 * 09.08 09.09 * 09.10 * 12.01H * 12.02 * 12.03 * 12.07 * 14.05 * 15.07N 15.16 27.03	21
11	300	* 01.06B * 03.01 * 03.03 * 05.11 * 05.12 * 05.13 * 05.14 * 06.03 * 06.04 * 12.07 13.01 * 13.02 * 13.03 * 14.01 * 15.04 * 15.10B * 15.11 * 15.14 * 15.15 * 16.04 * 16.05 * 22.08 * 25.25 * 29.01A * 29.01B * 29.02 * 29.03 * 29.04A * 29.04B * 29.05 * 29.06 * 29.07 * 29.08 * 29.09 * 29.10 * 29.11 * 29.12 * 29.13 * 29.14 * 29.15 * 29.16 * 29.17 * 29.18 * 29.19 * 29.20 * 29.21 * 29.22 * 29.23 * 29.24 * 29.25 * 29.26 * 29.27 * 29.28 * 29.29 * 29.30 * 29.31 * 29.32 * 29.33 * 29.34 * 29.35 * 29.36 * 29.37 * 29.40 * 29.43 * 29.45 * 37.08 * 40.01 * 40.04 71.01 * 98.11	70
12	500	26.01A 26.01B 26.01D 26.01K 26.01L 26.01M * 26.01N * 26.01P	8
13	601	26.01C 74.01A	2
14	602	* 25.32 26.01E 26.01F 26.01G 26.01H * 26.01N * 26.01P * 26.01Q 26.01R * 28.05A * 28.50 * 28.51 * 28.52	13
15	700	27.01A * 27.01B 27.02	3
16	800	* 27.05A 27.09 * 27.11	3
17	900	* 22.01 25.04 25.05 25.06 25.07 * 25.08 * 25.12 * 25.13 * 25.14 25.15 25.16 25.17 * 25.18 * 25.19 * 25.20 25.21 25.24 * 25.25 * 25.26 * 25.27 * 25.31 * 25.32 * 28.24 * 30.03 * 34.04 * 34.07 * 36.07 * 38.03 * 38.13 * 38.14 * 38.15 * 38.16 * 38.17 * 38.18 * 38.19A * 68.01 * 68.02 * 68.03 * 68.04 * 71.02A * 71.02B * 71.02C 71.04 * 98.06 * 98.09	45
18	1000	25.01 25.02 25.03 25.09 25.10 25.11 * 25.30 * 25.31 * 25.32 * 28.22 * 28.23 31.02A * 31.02B 31.04A * 31.04B	15
19	1419	17.01A 17.01B * 17.02 17.03 * 23.03	5
20	1701	* 46.02 58.01 58.02	3
21	1804	* 39.07 * 40.12 * 40.13 * 40.14 * 40.16 * 42.03 * 43.02 43.03 43.04 * 58.07 * 59.02 * 60.02 * 60.04 * 60.05 * 60.06 61.01 * 61.02 61.03 61.04 61.05 * 61.06 61.07 61.08 61.09 61.10 * 61.11 65.01 65.02 65.03 65.04	34
22	1905	* 65.05 * 65.06 * 65.07 * 84.64	4
23	1906	* 93.05 * 93.07B	2
24	1931	* 93.03 * 93.07B	2
25	1951	87.08 89.01A	2
26	1961	93.01 93.02 * 93.04 * 93.05 * 93.06A 93.06B	6
27	1990	* 86.04 * 88.04 * 93.03 93.07A * 93.07B	5
28	2011	* 93.03 * 93.07B	2
		* 02.01A 02.01B 02.01C 02.01D 02.01E * 02.02 * 02.03 * 02.04 * 02.06A * 02.06B 05.04 05.06 * 05.08 05.09 * 05.14 * 05.15 * 15.01 * 15.13 * 16.01 * 16.02 * 16.03 * 21.02B * 21.07 * 35.02 41.01A 41.01B 41.01C 41.01D 41.01E * 41.01F * 41.09 * 42.06 * 43.01	33
29	2013	* 02.01A * 02.06A * 02.06B * 16.01 * 16.02 * 16.03	6
30	2015	* 02.02 * 02.03 * 02.04 * 02.06B * 04.05 * 16.02	6
31	2021	* 04.01 04.03	2
32	2022	04.04	1
33	2023	04.02A 04.02B * 11.01A * 11.01B * 11.02A * 11.02B * 11.02C * 35.01	8
34	2024	* 21.02B * 21.07	2
35	2026	* 04.01 * 22.02	2
36	2031	03.02 * 16.04 * 16.05 * 21.05	4
37	2032	* 21.05	1
38	2033	* 07.03 * 08.02B * 08.07 * 08.10 * 08.11 * 08.13 * 20.01 * 20.02 * 20.03 * 20.05 * 20.06 20.07 * 22.07 * 34.04 * 34.07 * 36.07 * 38.03 * 38.13 * 38.14 * 38.15 * 38.16 * 38.17 * 38.18 * 38.19A * 98.09	25
39	2034	* 07.04 * 07.05 08.01D 08.03B 08.04B * 08.10 * 08.11 08.12 * 08.13 * 11.03 * 11.04 * 11.05 * 11.06 * 12.03 * 20.03	15
40	2035	21.03 * 21.04	2
41	2036	* 03.01 * 03.03 * 16.04 * 16.05	4
42	2037	* 07.01C * 07.02 * 07.06 * 08.10 * 08.11 * 08.13 * 20.03	7
43	2041	* 11.01A * 11.01B * 11.02A * 11.02B * 11.02C 11.09 * 23.02	7
44	2042	* 05.15 * 09.01B * 18.02 * 23.01 * 23.05 23.06 * 23.07	7
45	2043	19.05	1
46	2044	* 10.06A 10.06B * 11.01A * 11.01B * 11.02A * 11.02B * 11.02C * 23.02	8
47	2045	* 11.01A * 11.01B * 11.02A * 11.02B * 11.02C * 23.02	6
48	2046	11.08 * 15.07N * 17.02 19.04 35.05	5
49	2051	* 19.02 * 19.06 19.07 * 19.08	4
50	2052	* 19.02 * 19.06 * 19.08	3
51	2071	* 08.05 * 14.01A * 17.04 * 18.06 20.14 * 20.06	6
52	2072	* 09.01B * 18.02 18.03 18.04 18.05 * 19.06 * 23.05 * 23.07	8
53	2073	* 17.04 * 40.01 * 40.04	3
54	2082	* 11.07 19.01 22.03 * 23.03	4
55	2083	* 11.07	1
56	2084	22.04 22.05 22.06 * 22.07 * 22.09	5
57	2085	* 22.09	1
58	2086	* 22.01 * 22.02	2

APPENDIX B--Cont.

Concordance relating the 5-digit Brussels Tariff Nomenclature (BTN) to the 10-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)										NO. OF SUB-CODES PER MASTER CODE
59	2087	* 13.03	* 20.05	* 22.09	* 33.02	* 33.03	* 33.04	* 33.05				7
60	2091	15.07B	* 23.04	55.02								3
61	2092	15.07A										1
62	2093	15.07C	15.07D	15.07E	15.07F	15.07G	15.07H	15.07K	15.07L	15.07M	* 15.07N	
		15.12	* 23.04									12
63	2094	02.05	05.05	* 05.08	* 05.15	15.02	15.03	* 15.04	15.06	* 15.07N	15.09	
		* 23.01										11
64	2095	* 09.01A	21.02A									2
65	2096	* 15.01	* 15.13									2
66	2097	* 22.01										1
67	2098	19.03										1
68	2099	04.06	* 07.04	* 08.01B	* 09.01A	* 09.02	* 09.03	* 09.04	* 09.06	* 09.07	* 09.08	
		* 09.10	* 10.07	* 11.03	* 11.04	* 11.05	* 11.06	12.05	* 12.07	* 13.03	* 14.05	
		* 16.03	* 17.02	17.05	* 20.01	* 20.02	* 20.06	21.01	* 21.02B	* 21.06	* 21.07	
		* 22.07	22.10									32
69	2100	* 44.08	44.21	* 44.22	* 46.03							4
70	2111	24.02B										1
71	2121	24.02A										1
72	2131	24.02C										1
73	2141	* 24.01										1
74	2201	* 50.09	* 50.10	51.04A	* 51.04B	52.02	* 53.11	* 53.12	* 53.13	* 55.07A	* 55.07B	
		* 55.08A	* 55.08B	* 55.09A	* 55.09B	56.07A	56.07B	* 57.11	* 57.12	* 58.04A	58.04B	
		58.04C	58.04D	58.04E	* 59.13	* 59.17	62.01A	* 62.04	* 62.05			24
75	2241	* 39.01	* 39.02	* 40.05	* 40.06	* 40.07	* 40.08	* 40.09	* 46.01	* 51.01B	* 51.02B	
		* 51.03B	* 52.01	* 53.12	* 53.13	* 56.05B	* 56.06B	* 57.06	* 57.07	* 57.08	* 57.11	
		* 57.12	* 58.05	* 58.06	* 58.07	* 59.13	* 59.14	* 62.04	* 62.05			23
76	2251	* 60.03										1
77	2252	* 40.13	* 60.03	* 60.05	* 60.06	* 61.11						5
78	2253	* 40.13	* 60.04	* 60.05	* 60.06	* 61.02	* 61.11	* 65.05				7
79	2254	* 60.04										1
80	2256	60.01										1
81	2259	* 40.13	* 60.02	* 60.05	* 60.06	* 61.11	* 62.02	* 62.03				7
82	2280	* 39.01	* 39.02	* 40.05	* 40.06	* 40.07	* 40.08	* 40.09	* 50.02	* 50.04	* 50.05	
		* 50.06	* 50.07	* 50.08	* 51.01A	* 51.01B	* 51.02A	* 51.02B	* 51.03A	* 51.03B	* 52.01	
		* 53.06	* 53.07	* 53.08	* 53.09	* 53.10	* 53.12	* 53.13	* 55.05A	* 55.05B	* 55.06	
		* 56.02A	* 56.02B	* 56.05A	* 56.05B	* 56.06A	* 56.06B	* 57.06	* 57.07	* 57.08	* 57.11	
		* 57.12	* 58.05	* 58.06	* 58.07	* 59.13	* 62.04	* 62.05				47
83	2284	* 50.04	* 50.05	* 50.06	* 50.07	* 50.08	* 51.01A	* 51.02A	* 51.03A	* 55.05A	* 55.05B	
		* 55.06	* 56.02A	* 56.02B	* 56.05A	* 56.06A						15
84	2285	* 58.01	* 58.02									2
85	2292	58.08	58.09	* 58.10	* 62.02	* 62.04	* 62.05					6
86	2293	* 05.03	* 59.01									2
87	2294	50.03	* 53.03	53.04	* 54.01	55.03	55.04	* 56.03	* 56.04B	* 57.03	* 59.04	
		* 59.06	* 59.17									12
88	2295	59.07	* 59.08	59.09	* 59.11	* 59.12						5
89	2296	* 51.04B	* 55.07A	* 55.08A	* 55.09A							4
90	2297	15.05	53.01B	* 53.02A	* 53.03	53.05A	53.05B	56.04A				7
91	2298	* 59.04	59.05	* 59.06	* 97.07							4
92	2299	* 05.03	* 14.02	* 14.03	* 14.04	* 51.01B	* 51.02B	* 51.03B	* 52.01	* 53.06	* 53.07	
		* 53.09	* 53.09	* 53.10	* 53.11	* 53.12	* 53.13	* 54.01	* 54.02	54.03	54.04	
		* 54.05	* 55.07B	* 55.08B	* 55.09B	* 56.05B	* 56.06B	* 57.01	* 57.02	* 57.03	* 57.04A	
		* 57.04B	57.05	* 57.06	* 57.07	* 57.08	* 57.09	* 57.10	* 57.11	* 57.12	* 58.04A	
		* 58.04B	* 58.05	* 58.07	* 59.01	* 59.03	* 59.12	* 59.13	* 59.14	* 59.17	* 62.02	50
93	2301	* 62.02										1
94	2302	* 39.07	* 40.12	* 40.13	* 40.14	* 40.16	* 55.07B	* 55.09B	* 55.09B	58.03	* 58.04A	
		* 58.04B	* 59.02	* 60.05	* 60.06	* 61.11	62.01B	62.01C	* 62.02	* 62.04	* 62.05	
		* 70.20B	* 70.20C	* 84.64	* 94.01	* 94.02	* 94.03	* 94.04				27
95	2303	* 62.03										1
96	2305	* 58.07	* 58.10	* 62.02	* 62.04	* 62.05						5
97	2306	* 46.01	* 58.05	* 59.01	* 62.04	* 62.05						5
98	2307	* 43.02	* 58.07	* 58.10	* 61.06	* 62.02						5
99	2308	* 40.10	* 40.13	* 58.10	59.15	59.16	* 60.05	* 60.06	* 61.11	* 62.04	* 62.05	
		* 88.04										11
100	2411	* 14.01	44.03A	44.03B	44.03C	44.03D	44.03E	44.04A	44.04B	* 44.10	* 44.13A	
												10
101	2421	* 44.01	44.05A	44.05B	44.07	* 44.09	* 44.12	* 44.13A	* 44.13B			8
102	2424	* 44.10	* 44.13A	* 44.13B	* 44.23	* 93.04	* 93.05	* 93.06A	* 94.01	* 94.02	* 94.03	
		* 94.04										11
103	2430	* 44.08	* 44.09	* 44.11	* 44.12	* 44.22	* 44.28					6
104	2431	* 44.10	* 44.23									2
105	2432	44.14	44.15	44.16								3
106	2433	* 44.11	* 44.28									2
107	2491	* 44.13A	* 44.13B	* 44.19	* 44.23							4
108	2499	* 14.01	* 44.01	44.06	* 44.09	* 44.11	* 44.12	44.17	44.18	* 44.19	44.20	
		44.24	44.25	44.26	* 44.27	* 44.28	* 45.01	45.02	45.03	45.04	* 46.02	
		* 46.03	* 48.09	* 64.03	* 64.04	* 64.06	* 71.13	* 71.14	83.06	83.12	* 90.16	30
109	2500	* 48.08	48.16	48.17	* 48.20	* 48.21						5
110	2511	* 94.01	* 94.02	* 94.03	* 94.04							4
111	2512	* 94.01	* 94.02	* 94.03	* 94.04							4
112	2514	* 94.01	* 94.02	* 94.03	* 94.04							4
113	2515	* 94.01	* 94.02	* 94.03	* 94.04							4
114	2516	* 94.01	* 94.02	* 94.03	* 94.04							4
115	2521	* 94.01	* 94.02	* 94.03	* 94.04							4
116	2522	* 94.01	* 94.02	* 94.03	* 94.04							4
117	2531	* 94.01	* 94.02	* 94.03	* 94.04							4
118	2541	* 94.01	* 94.02	* 94.03	* 94.04							4
119	2542	* 94.01	* 94.02	* 94.03	* 94.04							4
120	2591	* 94.01	* 94.02	* 94.03	* 94.04							4
121	2599	* 85.15C	* 94.01	* 94.02	* 94.03	* 94.04						5
122	2605	48.19	* 49.04	* 49.05	* 49.07	49.08	* 49.09	49.10	* 49.11	* 97.04	99.04	10

APPENDIX B--Cont.
Concordance relating the 5-digit Brussels Tariff Nomenclature (BTN) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)										NO. OF SUB-CODES PER MASTER CODE
123	2611	47.01A	47.01B	47.01C	47.01D	47.01E	47.01F	47.01G	47.01H			8
124	2621	48.01A	48.01B	48.01C	48.01D	* 48.01E	48.02	48.03	* 48.04	* 48.05	* 48.06	
		* 48.07A	48.07B	* 48.13	* 48.15							14
125	2631	41.10	* 48.01E	* 48.04	* 48.05	* 48.06	* 48.09					6
126	2641	* 48.04	* 48.05	* 48.06	* 48.07A	* 59.03						5
127	2642	* 48.14										1
128	2643	* 46.33										1
129	2644	48.11										1
130	2645	* 48.13	* 48.14	* 48.15								3
131	2646	* 48.08	* 48.21									2
132	2647	* 48.01B										1
133	2649	* 48.04	* 48.05	* 48.06	* 48.08	48.10	* 48.13	* 48.14	* 48.15	* 48.20	* 48.21	
		67.05	* 97.05									12
134	2661	* 48.09										1
135	2701	* 05.14	* 08.01B	* 15.08	* 15.10A	* 15.10B	* 15.11	* 15.17	* 17.02	* 18.02	* 21.04	
		* 22.08	* 23.05	* 23.07	* 25.08	25.28	* 25.29	* 25.30	* 25.32	* 27.05B	28.01A	
		28.01B	* 28.02	* 28.03	* 28.04A	* 28.04B	* 28.04C	* 28.04D	* 28.05B	28.06	28.07	
		28.08	28.09	28.10	28.11	28.12	28.13	28.14	28.15	28.16	28.17A	
		28.17B	28.18	28.19	* 28.20A	* 28.21	* 28.22	* 28.23	* 28.24	28.25	* 28.26	
		28.27	28.28	* 28.29	* 28.30	* 28.31	* 28.32	* 28.33	* 28.34	* 28.35	* 28.36	
		* 28.37	* 28.38	* 28.39	* 28.40	* 28.41	* 28.42A	* 28.42B	* 28.43	* 28.44	* 28.45	
		* 28.46	* 28.47	* 28.48	* 28.49	* 28.50	* 28.51	* 28.52	* 28.53	* 28.54	* 28.55	
		* 28.56A	* 28.56B	* 28.57	* 28.58	* 29.01A	* 29.01B	* 29.02	* 29.03	* 29.04A	* 29.04B	
		* 29.05	* 29.06	* 29.07	* 29.08	* 29.09	* 29.10	* 29.11	* 29.12	* 29.13	* 29.14	
		* 29.15	* 29.16	* 29.17	* 29.18	* 29.19	* 29.20	* 29.21	* 29.22	* 29.23	* 29.24	
		* 29.25	* 29.26	* 29.27	* 29.28	* 29.29	* 29.30	* 29.31	* 29.32	* 29.33	* 29.34	
		* 29.35	* 29.36	* 29.37	* 29.40	* 29.41	* 29.43	* 29.45	* 30.01	* 30.02	* 31.02B	
		* 32.02	* 32.03	* 32.04	32.05	32.06	32.07	* 32.09	* 33.02	* 33.03	* 33.04	
		* 33.05	* 34.04	* 34.07	* 36.07	* 37.08	38.01	38.02	* 38.03	38.06	* 38.08	
		* 38.13	* 38.14	* 38.15	* 38.16	* 38.17	* 38.18	* 38.19A	* 39.03B	* 39.04	* 39.05	
		* 39.06	* 98.09									162
136	2711	* 49.02										1
137	2721	* 49.02										1
138	2731	* 49.01	* 49.03	* 49.07	* 49.11							4
139	2732	* 49.01	* 49.03	* 49.04	* 49.07	* 49.11						5
140	2741	* 49.01	* 49.03	* 49.04	* 49.05	* 49.06	* 49.07	* 49.11				7
141	2753	* 49.07	* 49.11									2
142	2761	* 48.13	* 48.14	* 48.15								3
143	2771	* 49.09										1
144	2782	48.18										1
145	2789	* 49.01	* 49.02	* 49.04	* 49.07	* 49.11						5
146	2793	* 84.34										1
147	2794	* 84.34										1
148	2821	* 39.01	* 39.02	39.03A	* 39.03B	* 39.04	* 39.05	* 39.06	* 40.05	* 40.06	* 40.07	
		* 40.08	* 40.09	* 56.01A								11
149	2822	* 39.04	* 39.05	* 39.06	40.02							4
150	2823	* 51.01A	* 51.02A	* 51.03A	56.01B	* 56.02A	* 56.02B	* 56.03	* 56.04B	* 56.05A	* 56.06A	
												10
151	2824	* 39.04	* 39.05	* 39.06	* 51.01A	* 51.02A	* 51.03A	* 56.01A	* 56.02A	* 56.02B	* 56.03	
		* 56.04B	* 56.05A	* 56.06A								13
152	2841	* 15.10B	* 15.11	* 22.08	* 29.01A	* 29.01B	* 29.02	* 29.03	* 29.04A	* 29.04B	* 29.05	
		* 29.06	* 29.07	* 29.08	* 29.09	* 29.10	* 29.11	* 29.12	* 29.13	* 29.14	* 29.15	
		* 29.16	* 29.17	* 29.18	* 29.19	* 29.20	* 29.21	* 29.22	* 29.23	* 29.24	* 29.25	
		* 29.26	* 29.27	* 29.28	* 29.29	* 29.30	* 29.31	* 29.32	* 29.33	* 29.34	* 29.35	
		* 29.36	* 29.37	* 29.40	* 29.43	* 29.45	34.01	* 34.02	* 37.08			48
153	2842	* 15.14	* 15.15	* 34.04	34.05	* 34.07	* 36.07	* 38.03	* 38.13	* 38.14	* 38.15	
		* 38.16	* 38.17	* 38.18	* 38.19A	* 98.09						15
154	2843	* 15.10B	* 15.11	* 22.08	* 29.01A	* 29.01B	* 29.02	* 29.03	* 29.04A	* 29.04B	* 29.05	
		* 29.06	* 29.07	* 29.08	* 29.09	* 29.10	* 29.11	* 29.12	* 29.13	* 29.14	* 29.15	
		* 29.16	* 29.17	* 29.18	* 29.19	* 29.20	* 29.21	* 29.22	* 29.23	* 29.24	* 29.25	
		* 29.26	* 29.27	* 29.28	* 29.29	* 29.30	* 29.31	* 29.32	* 29.33	* 29.34	* 29.35	
		* 29.36	* 29.37	* 29.40	* 29.43	* 29.45	* 34.02	* 37.08				47
155	2844	* 33.06	* 96.05	* 98.14								3
156	2851	* 13.02	* 32.09	* 32.11	* 32.12							4
157	2861	* 13.02	* 27.08A	* 27.08B	* 27.10B	* 27.14A	* 27.14B	* 27.15	* 27.16	32.01	* 32.02	
		* 32.03	* 32.04	38.05	38.07	* 38.08	38.09	38.10	44.02	* 95.01	* 95.02	
		* 95.03	* 95.04	* 95.05	* 95.06	* 95.07	* 95.08					26
158	2871	* 31.01	* 31.02B	31.03B	* 31.04B	* 31.05						5
159	2872	* 31.01	* 31.05									2
160	2879	* 13.03	* 15.10B	* 15.11	* 22.08	* 25.29	* 28.21	* 28.26	* 28.29	* 28.30		
		* 28.31	* 28.32	* 28.33	* 28.34	* 28.35	* 28.36	* 28.37	* 28.38	* 28.39	* 28.40	
		* 28.41	* 28.42A	* 28.42B	* 28.43	* 28.44	* 28.45	* 28.46	* 28.47	* 28.48	* 28.49	
		* 28.53	* 28.54	* 28.55	* 28.56A	* 28.56B	* 28.57	* 28.58	* 29.01A	* 29.01B	* 29.02	
		* 29.03	* 29.04A	* 29.04B	* 29.05	* 29.06	* 29.07	* 29.08	* 29.09	* 29.10	* 29.11	
		* 29.12	* 29.13	* 29.14	* 29.15	* 29.16	* 29.17	* 29.18	* 29.19	* 29.20	* 29.21	
		* 29.22	* 29.23	* 29.24	* 29.25	* 29.26	* 29.27	* 29.28	* 29.29	* 29.30	* 29.31	
		* 29.32	* 29.33	* 29.34	* 29.35	* 29.36	* 29.37	* 29.40	* 29.43	* 29.45	* 34.04	
		* 34.07	* 36.07	* 37.08	* 38.03	* 38.11	* 38.13	* 38.14	* 38.15	* 38.16	* 38.17	
		* 38.18	* 38.19A	* 98.09								93
161	2891	* 13.03	* 35.01	35.03	35.04	35.06	38.12	* 95.01	* 95.02	* 95.03	* 95.04	
		* 95.05	* 95.06	* 95.07	* 95.08							14
162	2892	* 25.29	* 28.21	* 28.26	* 28.29	* 28.30	* 28.31	* 28.32	* 28.33	* 28.34	* 28.35	
		* 28.36	* 28.37	* 28.38	* 28.39	* 28.40	* 28.41	* 28.42A	* 28.42B	* 28.43	* 28.44	
		* 28.45	* 28.46	* 28.47	* 28.48	* 28.49	* 28.53	* 28.54	* 28.55	* 28.56A	* 28.56B	
		* 28.57	* 28.58	36.01	36.02	36.03	* 36.04					36
163	2893	* 32.13A										1
164	2895	* 97.05B	* 28.03									2

APPENDIX-B--Cont.
Concordance relating the 5-digit Brussels Tariff Nomenclature (BTN) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)	NO. OF SUB-CODES PER MASTER CODE
165	2899	* 05.08 * 15.08 * 15.10A * 15.10B * 15.11 * 15.17 * 22.08 * 27.12 * 27.13 * 29.01A * 29.01B * 29.02 * 29.03 * 29.04A * 29.04B * 29.05 * 29.06 * 29.07 * 29.08 * 29.09 * 29.10 * 29.11 * 29.12 * 29.13 * 29.14 * 29.15 * 29.16 * 29.17 * 29.18 * 29.19 * 29.20 * 29.21 * 29.22 * 29.23 * 29.24 * 29.25 * 29.26 * 29.27 * 29.28 * 29.29 * 29.30 * 29.31 * 29.32 * 29.33 * 29.34 * 29.35 * 29.36 * 29.37 * 29.40 * 29.43 * 29.45 * 32.08 * 32.13A * 32.13B 33.01 * 33.06 * 34.04 * 34.07 36.05 * 36.07 * 37.08 * 38.03 * 38.13 * 38.14 * 38.15 * 38.16 * 38.17 * 38.18 * 38.19A * 96.05 * 98.08 * 98.09 * 98.14	
166	2901	* 12.07 * 13.03 * 15.10B * 15.11 * 22.08 * 29.01A * 29.01B * 29.02 * 29.03 * 29.04A * 29.04B * 29.05 * 29.06 * 29.07 * 29.08 * 29.09 * 29.10 * 29.11 * 29.12 * 29.13 * 29.14 * 29.15 * 29.16 * 29.17 * 29.18 * 29.19 * 29.20 * 29.21 * 29.22 * 29.23 * 29.24 * 29.25 * 29.26 * 29.27 * 29.28 * 29.29 * 29.30 * 29.31 * 29.32 * 29.33 * 29.34 * 29.35 * 29.36 * 29.37 29.38 29.39 * 29.40 * 29.41 29.42 * 29.43 29.44 * 29.45 * 30.01 * 30.02 * 30.03 * 35.02 * 37.08	73
167	2951	* 27.08A * 27.08B * 27.10G * 27.14A * 27.14B * 27.15 * 27.16	57
168	2952	* 48.04 * 48.05 * 48.06	7
169	3011	* 40.11	3
170	3021	* 64.01 * 64.02	1
171	3031	* 40.03 * 40.15	2
172	3069	* 39.01 * 39.02 * 39.07 * 40.05 * 40.06 * 40.07 * 40.08 * 40.09 * 40.10 * 40.12 * 40.14 * 40.16 * 84.64	2
173	3070	* 32.11 * 32.12 * 39.01 * 39.02 * 39.03B * 39.04 * 39.05 * 39.06 * 39.07 * 40.05 * 40.06 * 40.07 * 40.08 * 40.09 * 40.12 * 40.14 * 40.16 * 56.01A * 59.08 * 59.11 * 59.17 * 64.01 * 65.06 * 65.07 * 84.64 * 85.25 * 85.26 * 89.01B * 89.02 * 89.03 * 89.04 * 89.05 * 97.03 * 98.12	13
174	3101	* 15.10B * 15.11 * 27.08 * 27.08B * 27.08A * 27.08A * 27.08B 27.10A 27.10B 27.10C 27.10D 27.10E 27.10F * 27.10G * 27.11 * 27.12 * 27.13 * 27.14A * 27.14B * 27.15 * 27.16 * 29.01A * 29.01B * 29.02 * 29.03 * 29.04A * 29.04B * 29.05 * 29.06 * 29.07 * 29.08 * 29.09 * 29.10 * 29.11 * 29.12 * 29.13 * 29.14 * 29.15 * 29.16 * 29.17 * 29.18 * 29.19 * 29.20 * 29.21 * 29.22 * 29.23 * 29.24 * 29.25 * 29.26 * 29.27 * 29.28 * 29.29 * 29.30 * 29.31 * 29.32 * 29.33 * 29.34 * 29.35 * 29.36 * 29.37 * 29.40 * 29.41 * 29.43 34.03 * 34.04 * 34.07 * 36.07 * 37.08 * 38.03 * 38.13 * 38.14 * 38.15 * 38.16 * 38.17 * 38.18 * 38.19A * 98.09	34
175	3111	41.02A 41.02B 41.03 41.04 41.05 41.06 41.07 41.08	77
176	3121	* 42.04	8
177	3131	* 42.05 64.05	1
178	3141	* 64.02 * 64.03 * 64.04 * 64.06	2
179	3149	* 64.02 * 64.03 * 64.04 * 64.06	4
180	3151	* 42.03	4
181	3161	* 42.02	1
182	3171	* 42.02 * 46.03 * 73.40D	1
183	3179	* 42.02 * 42.05 * 44.27 * 73.40D	3
184	3199	42.01 * 42.02 * 42.04 * 42.05	5
185	3231	* 70.10	4
186	3241	* 25.23	1
187	3251	69.04 * 69.05 * 69.06	1
188	3253	* 69.05 * 69.06 69.07 69.08	3
189	3255	* 38.19B * 69.01 * 69.02 * 69.03	4
190	3259	* 69.05 * 69.06	4
191	3261	69.10 * 69.12	2
192	3262	* 69.11	2
193	3263	* 69.12	1
194	3264	* 85.02 * 85.22A * 85.22B * 85.25 * 85.26 * 85.28 * 90.26A	1
195	3269	69.09 * 69.11 * 69.12 69.13 69.14	7
196	3271	* 68.11	5
197	3272	* 68.11	1
198	3273	* 25.23	1
199	3274	* 25.18 * 25.19 25.22	1
200	3275	* 25.20 68.09 * 68.10	3
201	3281	* 25.14 * 68.01 * 68.02 * 68.03 * 68.08 * 95.01 * 95.02 * 95.03 * 95.04 * 95.05 * 95.06 * 95.07 * 95.08 * 98.06	3
202	3291	* 25.12 * 25.13 * 25.29 * 28.20A 28.20B * 28.21 * 28.26 * 28.29 * 28.30 * 28.31 * 28.32 * 28.33 * 28.34 * 28.35 * 28.36 * 28.37 * 28.38 * 28.39 * 28.40 * 28.41 * 28.42A * 28.42B * 28.43 * 28.44 * 28.45 * 28.46 * 28.47 * 28.48 * 28.49 * 28.53 * 28.54 * 28.55 * 28.56A * 28.56B * 28.57 * 28.58 68.04 68.05 68.06 * 71.02A 73.04 73.39 * 73.40D * 82.04	14
203	3292	* 39.07 * 40.12 * 40.14 * 40.16 68.12 * 68.13 * 68.14 * 84.64	44
204	3293	* 39.07 * 40.12 * 40.14 * 40.16 * 68.13 * 68.14 * 84.64	8
205	3295	* 25.18 * 25.19	7
206	3296	68.07 * 70.20A * 70.20C	2
207	3297	* 38.19B * 69.01 * 69.02 * 69.03	3
208	3299	* 25.26 * 25.27 * 25.29 * 28.21 * 28.26 * 28.29 * 28.30 * 28.31 * 28.32 * 28.33 * 28.34 * 28.35 * 28.36 * 28.37 * 28.38 * 28.39 * 28.40 * 29.41 * 28.42A * 28.42B * 28.43 * 28.44 * 28.45 * 28.46 * 28.47 * 28.48 * 28.49 * 28.53 * 28.54 * 28.55 * 28.56A * 28.56B * 28.57 * 28.58 * 68.10 * 68.11 68.15 * 69.03 * 98.05 * 99.03 * 15.10B * 15.11 * 22.08 * 25.29 26.04 27.04 27.06 27.07 * 27.08A * 27.08B * 27.10G * 27.14A * 27.14B * 27.15 * 27.16 * 28.21 * 28.26 * 28.29 * 28.30 * 28.31 * 28.32 * 28.33 * 28.34 * 28.35 * 28.36 * 28.37 * 28.38 * 28.39 * 28.40 * 28.41 * 28.42A * 28.42B * 28.43 * 28.44 * 28.45 * 28.46 * 28.47 * 28.48 * 28.49 * 28.53 * 28.54 * 28.55 * 28.56A * 28.56B * 28.57 * 28.58 * 29.01A * 29.01B * 29.02 * 29.03 * 29.04A * 29.04B * 29.05 * 29.06 * 29.07 * 29.08 * 29.09 * 29.10 * 29.11 * 29.12 * 29.13 * 29.14 * 29.15 * 29.16 * 29.17 * 29.18 * 29.19 * 29.20 * 29.21 * 29.22 * 29.23 * 29.24 * 29.25 * 29.26 * 29.27 * 29.28 * 29.29 * 29.30 * 29.31 * 29.32 * 29.44 * 29.34 * 29.35 * 29.36 * 29.37 * 29.40 * 29.43 * 29.45 31.03A * 37.08 38.04 73.01A 73.01B * 73.02A * 73.02B 73.05B 73.06A 73.06B 73.07 73.08 * 73.09 73.10A * 73.10B * 73.11A 73.11B * 73.12 * 73.13A * 73.13B * 73.13C * 73.13D * 73.13E * 73.14 73.15A 73.15B 73.15C 73.15D 73.15E 73.15F 73.15G 73.15M * 73.15I * 73.15J * 73.15K * 73.15L 73.15M 73.15N * 73.15O * 73.15P * 73.15Q * 73.15R * 73.15S * 73.15T * 73.15U * 73.15V * 73.15W * 73.15X * 73.15Y 73.157 73.16A 73.16B 73.18A * 73.18B * 73.18C * 73.19	40

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APPENDIX B--Cont.
Concordance relating the 5-digit Brussels Tariff Nomenclature (BTN) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)	NO. OF SUB-CODES PER MASTER CODE
210	3313	* 25.29 * 28.21 * 28.26 * 28.29 * 28.30 * 28.31 * 28.32 * 28.33 * 28.34 * 28.35 * 28.36 * 28.37 * 28.38 * 28.39 * 28.40 * 28.41 * 28.42A * 28.42B * 28.43 * 28.44 * 28.45 * 28.46 * 28.47 * 28.48 * 28.49 * 28.53 * 28.54 * 28.55 * 28.56A * 28.56B * 28.57 * 28.58 * 73.02A * 73.02B	34
211	3315	* 73.31 83.05	2
212	3316	* 73.08 * 73.10B * 73.13A * 73.13B * 73.13C * 73.13E * 73.15D * 73.15P * 73.15Q * 73.15R * 73.15S * 73.15T * 73.15U * 73.15V	14
213	3317	* 73.18B * 73.18C * 73.19	3
214	3321	* 26.03 74.01C * 74.01D 74.02	4
215	3332	* 26.03 78.01B * 83.15	3
216	3333	* 26.03 79.01B * 79.03B * 79.04	4
217	3334	* 76.01B	1
218	3339	* 26.01P * 26.01Q * 26.03 * 28.02 * 28.04A * 28.04B * 28.04C * 28.04D * 28.05B * 34.04 * 34.07 * 36.07 * 38.03 * 38.13 * 38.14 * 38.15 * 38.16 * 38.17 * 38.18 * 38.19A * 71.05 * 71.09 * 71.11A * 75.01A 75.01C * 77.01B * 77.02 * 77.04 * 80.01B * 81.01 * 81.02 * 81.03 * 81.04A * 81.04B * 98.09	35
219	3341	* 26.01P * 26.01Q * 26.03 * 28.02 * 28.04A * 28.04B * 28.04C * 28.04D * 28.05B * 34.04 * 34.07 * 36.07 * 38.03 * 38.13 * 38.14 * 38.15 * 38.16 * 38.17 * 38.18 * 38.19A * 71.05 * 71.11A * 74.06 * 75.01A * 75.04 * 75.05 * 77.01B * 77.02 * 77.04 * 80.01B * 81.01 * 81.02 * 81.03 * 81.04A * 81.04B * 98.09	36
220	3351	* 74.03 * 74.04 74.07	3
221	3352	* 76.02 76.03 * 76.04 * 76.06 * 76.07	5
222	3356	* 71.05 71.06 * 71.09 71.10 * 71.13 * 71.14 75.02 * 75.03 * 75.04 * 75.05 * 77.01B * 77.02 * 77.04 78.02 78.03 78.05 79.02 * 79.03B * 79.04 * 80.02 * 80.03 * 80.04 * 80.05 * 81.01 * 81.02 * 81.03 * 81.04B	27
223	3357	* 74.03 * 74.10 * 76.02 * 76.12 * 85.23	5
224	3361	* 76.01B * 76.15 * 76.16	3
225	3362	* 74.18 * 74.19	2
226	3369	* 76.06 * 77.03 * 78.06 * 79.06 * 80.06	5
227	3391	73.30 73.40C * 73.40D * 96.09	4
228	3392	* 74.01D * 76.01B * 81.04B	3
229	3399	73.05A * 74.06 * 75.03 76.05 * 78.04 * 79.03B * 79.04 * 80.02 * 80.03 * 80.04 * 80.05	11
230	3411	* 73.23 * 73.24 * 76.10 * 76.11	4
231	3421	* 73.33 * 82.01 * 82.03 * 82.04 * 82.09 * 82.10 * 82.11 82.12 * 82.13 * 82.14 * 82.15	11
232	3423	* 82.01 * 82.03 * 82.04 * 82.05 82.06 * 82.14 * 85.11 * 90.16	8
233	3425	82.02	1
234	3429	* 71.13 * 71.14 83.01 * 83.02 * 83.04 98.15	6
235	3431	* 71.13 * 71.14 * 74.18	3
236	3432	* 74.08	1
237	3433	73.36 74.17 84.13	3
238	3441	* 73.11A * 73.15K * 73.15L * 73.21 73.28 74.12 * 76.08 76.14 * 79.05	9
239	3442	* 73.21 * 83.02 * 83.04	3
240	3443	73.22 73.27 74.09 76.09 84.01 84.02 * 89.01B * 89.02 * 89.03 * 89.04 * 89.05	11
241	3444	* 73.21 * 76.08 * 79.05	3
242	3446	* 73.21 * 76.08 * 79.05	3
243	3449	* 73.21 * 76.08 * 79.05	3
244	3461	* 73.38A 83.13 * 87.04A * 87.04B * 87.05 * 87.06	6
245	3471	* 73.10B * 73.12 * 73.13D * 73.13E * 73.14 * 73.15I * 73.15J * 73.15U * 73.15V * 73.15W * 73.15X * 73.15Y * 74.03 * 76.03B * 79.04 * 81.04B	16
246	3479	* 73.10B * 73.12 * 73.13D * 73.13E * 73.14 * 73.15I * 73.15J * 73.15U * 73.15V * 73.15W * 73.15X * 73.15Y * 74.03 * 76.03A * 79.04 * 81.04B	16
247	3481	* 73.21 73.25 73.26 73.27 * 73.29 * 73.40D * 74.10 74.11 74.13 * 75.06 * 76.12 76.13 * 76.16	13
248	3491	* 73.23 * 73.24 * 76.10 * 76.11	4
249	3492	83.03	1
250	3493	73.35 74.16	2
251	3496	* 73.23 * 73.24 * 76.10 * 76.11	4
252	3497	* 32.09 * 71.05 * 71.09 * 71.13 * 71.14 * 73.09 * 73.13A * 73.13B * 73.13C * 73.15D * 73.15Q * 73.15S 74.05 * 76.04 * 78.04 * 79.03B * 79.04 * 80.02 * 80.03 * 80.04 * 80.05 * 81.04B	22
253	3499	* 73.31 * 73.38A 73.38B * 73.40D * 74.14 * 74.15 * 74.18 * 74.19 * 75.04 * 75.05 * 75.06 * 76.15 * 76.16 * 77.03 * 78.06 * 79.06 * 80.06 * 81.04B * 82.04 * 83.11 * 85.02	21
254	3501	* 32.03 * 59.12 * 70.01 * 70.02 * 70.03 70.04 70.05 70.06 70.07 70.08 70.09 * 70.10 70.11 70.12 * 70.13 70.14 70.15 70.16 * 70.17 70.18 * 70.19 70.20A * 70.21 * 85.25 * 85.26 * 90.01 * 97.05	27
255	3511	84.04 84.05 84.07 * 84.08B	4
256	3519	* 84.06B * 84.08P	2
257	3522	* 84.19A * 84.21 84.24 84.25 84.26 84.27 84.28 * 87.01A * 87.04A * 87.04B * 87.05 * 87.06	12
258	3531	* 82.05 * 84.09 * 84.22 * 84.23 * 84.49 * 84.56 * 87.01A	7
259	3532	* 82.05 * 84.09 * 84.22 * 84.23 * 84.56	5
260	3533	* 82.05 * 84.09 * 84.23 * 84.59B * 86.10	5
261	3534	* 84.22	1
262	3535	* 84.22	1
263	3536	* 84.22	1
264	3537	87.07	1
265	3541	* 84.45 * 84.48	2
266	3542	* 84.45 * 84.48	2
267	3548	* 84.44 * 84.46 84.50 85.05	4
268	3551	82.08 84.17A * 84.18A * 84.19 84.29 84.30	6
269	3552	* 84.16 * 84.36 84.37 * 84.38 * 84.39 * 84.40A * 84.59B * 86.10 * 90.21	9
270	3553	84.47 * 84.48 * 84.49	3
271	3554	* 84.16 84.31 84.33	3
272	3555	* 74.04 84.32 * 84.34 * 84.35 * 84.40A	5
273	3559	* 84.21 84.43 * 84.56 * 84.59B * 86.10	5
274	3561	* 84.10 * 84.11 * 84.21	3
275	3562	* 84.62	1

APPENDIX B--Cont.
Concordance relating the 5-digit Brussels Tariff Nomenclature (BTN) to the IO-SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)	NO. OF SUB-CODES PER MASTER CODE
276	3564	* 84.11	1
277	3565	* 95.01 * 95.02 * 95.03 * 95.04 * 95.05 * 95.06 * 95.07 * 95.08	8
278	3566	* 73.39 84.69	2
279	3567	84.14 * 85.11	2
280	3568	83.08 84.03 * 84.08C 84.18B * 84.19 * 84.36 * 84.39 * 84.41 84.42 84.46 * 84.48 * 84.56 84.57 * 84.59A * 84.59B 84.65 * 86.10	17
281	3571	* 82.04 * 84.35 * 84.51 84.52 84.53 * 84.54 * 92.11 * 98.07	8
282	3572	* 94.51 * 84.55	2
283	3576	84.30	1
284	3579	* 84.55	1
285	3581	84.58	1
286	3582	* 84.40A	1
287	3585	* 84.11 84.12 84.15A * 84.15B	4
288	3586	* 84.10	1
289	3589	* 84.19 * 84.59B * 85.06 * 86.10	4
290	3595	* 84.06B * 84.59B * 86.10	3
291	3611	* 85.19 * 85.22A * 85.22B * 85.28 * 90.26A * 90.28	6
292	3612	* 85.01 * 90.28	2
293	3613	* 85.19	1
294	3621	* 85.01	1
295	3622	* 85.19 * 85.22A * 85.22B * 85.28 * 90.26A	5
296	3623	* 83.15 * 85.11	2
297	3624	68.16 85.24	2
298	3629	* 85.01 * 85.18 * 85.22A * 85.22B * 85.28 * 90.26A	6
299	3631	* 85.12	1
300	3632	* 84.15B 84.15C	2
301	3633	84.40B	1
302	3634	* 85.07	1
303	3635	* 85.06	1
304	3636	* 84.41	1
305	3638	* 82.11 84.17B * 85.06 * 85.07 * 85.12	5
306	3641	85.20 * 85.22A * 85.22B * 85.28 * 90.26A	5
307	3642	* 69.14 83.07 85.09 85.10	4
308	3651	* 85.14 85.15A * 85.15B * 92.11 * 92.13	5
309	3659	* 92.12	1
310	3661	85.13	1
311	3662	* 85.15B * 85.15C 85.16 85.17 * 92.11	5
312	3674	* 85.21	1
313	3675	* 85.14 * 85.15B * 85.18 * 85.21 * 90.19A * 92.11 * 92.12 * 92.13	6
314	3691	85.04	1
315	3692	85.03	1
316	3693	* 90.17B 90.20	2
317	3694	85.08 * 85.23	2
318	3695	* 85.02 * 85.22A * 85.22B * 85.23 * 85.28 * 90.26A	6
319	3702	73.17 * 73.20 * 73.21 73.40A 73.40B * 84.44 * 84.62 * 86.09	8
320	3713	* 87.04A * 87.04B * 87.05 * 87.06	4
321	3715	* 87.11 * 87.14	2
322	3717	* 73.40D * 84.06B * 84.10 87.01B * 87.02A 87.02B 87.02C 87.03 * 87.04A * 87.04B * 87.05 * 87.06	12
323	3721	88.01 * 88.02	2
324	3722	84.06A 84.08A	2
325	3723	* 88.03 * 88.05	2
326	3725	* 88.03 * 88.05	2
327	3731	* 89.01B * 89.02 * 89.03 * 89.04 * 89.05	5
328	3739	* 89.01B * 89.02 * 89.03 * 89.04 * 89.05	5
329	3741	* 71.13 * 71.14 86.01 86.02 86.03	5
330	3742	86.04 86.05 86.06 86.07 86.08 * 86.09	6
331	3751	* 83.11 87.09 87.10 87.12A 87.12B	5
332	3752	* 87.11 * 87.14	2
333	3756	* 87.02A * 87.11 * 87.14	3
334	3811	* * * 26.01B * 27.17 * 71.07A * 71.07B * 71.08 * 71.11B * 72.01A * 72.01B * 72.01C * 90.14 90.15 * 90.16 * 90.25 * 90.28 * 90.29 * 98.16	14
335	3821	90.22 90.23 * 90.24 90.26B 90.27 * 90.28 * 90.29	7
336	3822	* 90.24 * 90.29	2
337	3831	* 90.01 * 90.02 90.05 90.06 90.11 90.12 90.13 * 90.14 * 90.16 * 90.17B * 90.25 * 90.28	12
338	3841	90.17A * 90.17B * 94.01 * 94.02 * 94.03 * 94.04	6
339	3842	90.04 * 90.05 * 89.01B * 89.02 * 89.03 * 89.04 * 89.05 * 90.17B * 90.18 * 90.19A * 90.19B	11
340	3843	* 90.05 * 90.17B * 90.19B	3
341	3851	* 90.01 90.03 90.04	3
342	3861	* 15.10B * 15.11 * 22.08 * 29.01A * 29.01B * 29.02 * 29.03 * 29.04A * 29.04B * 29.05 * 29.06 * 29.07 * 29.08 * 29.09 * 29.10 * 29.11 * 29.12 * 29.13 * 29.14 * 29.15 * 29.16 * 29.17 * 29.18 * 29.19 * 29.20 * 29.21 * 29.22 * 29.23 * 29.24 * 29.25 * 29.26 * 29.27 * 29.28 * 29.29 * 29.30 * 29.31 * 29.32 * 29.33 * 29.34 * 29.35 * 29.36 * 29.37 * 29.40 * 29.43 * 29.45 37.01 37.02 * 37.03 * 37.08 * 84.54 * 90.02 90.07 90.08 90.09 90.10 * 90.14 * 90.25 * 98.07	58
343	3871	* 84.08C * 84.59A 91.01 91.02 91.03 91.04 91.05 91.07 91.08 91.10 * 91.11	11
344	3872	91.09	1
345	3911	* 71.12 71.15 * 71.16 * 83.10 * 98.10	5
346	3912	* 71.12 * 71.16 * 83.10	3
347	3913	* 71.02B * 71.02C * 71.03 * 91.11	4
348	3914	* 71.13 * 71.14 * 82.09 * 82.14 * 82.15	5
349	3931	* 84.11 92.01 92.02 92.03 92.04 92.05 92.06 92.07 * 92.08 92.09 * 92.10	11
350	3941	* 88.02 97.01 * 97.03 * 97.04 * 97.05	5
351	3942	* 39.07 * 40.12 * 40.14 * 40.16 * 61.02 * 84.64 97.02 * 97.03	8
352	3943	87.13 * 97.03	2
353	3949	* 42.03 * 46.03 * 90.18 * 97.04 97.06 * 97.07 97.08 * 98.05	8

APPENDIX B--Cont.

Concordance relating the 5-digit Brussels Tariff Nomenclature (BTN) to the SIC

NO. OF MASTER CODE	MASTER CODE	SUBCODES BELONGING TO MASTER CODE -- (A STAR (*) BEFORE THE SUBCODE INDICATES THAT THE SUBCODE IS ALSO MATCHED TO OTHER MASTER CODES)											NO. OF SUB-CODES PER MASTER CODE
354	3951	* 73.400	* 90.16	* 98.03	* 98.04								4
355	3952	32.10	* 32.138	* 98.03	* 98.04	* 98.05	* 98.08						6
356	3953	* 98.03	* 98.04										2
357	3955	* 48.04	* 48.05	* 48.06									3
358	3961	* 70.13	* 70.17	* 70.19	* 70.21	* 71.03	* 71.16	* 83.13	* 98.12				8
359	3962	* 06.03	* 06.04	67.01	67.02	96.04							5
360	3963	98.01											1
361	3964	* 71.12	* 71.13	* 71.14	* 73.33	73.34	* 73.400	83.09	* 84.38	* 84.41	98.02		11
		98.13											
362	3981	96.01	96.02	96.03	96.06								4
363	3982	48.12	56.10										2
364	3983	36.06	36.08										2
365	3984	34.06											1
366	3989	* 83.02	* 83.04										2
367	3993	83.14											1
368	3995	66.01	66.02	66.03									3
369	3996	*	*	05.01	* 05.02	* 05.11	* 05.12	* 05.13	* 26.015	* 27.17	* 34.04		64
		* 34.07	* 36.07	* 38.03	* 38.11	* 38.13	* 38.14	* 38.15	* 38.16	* 38.17	* 38.18		4
		* 38.19A	* 38.07	* 40.12	* 40.14	* 40.16	* 49.05	67.03	67.04	* 70.13	* 70.17		
		* 70.19	* 70.21	* 71.07A	* 71.07B	* 71.08	* 71.11B	* 72.01A	* 72.01B	* 72.01C	* 82.10		
		* 82.13	* 84.64	* 85.07	* 92.08	* 92.10	* 94.01	* 94.02	* 94.03	* 94.04	* 95.01		
		* 95.02	* 95.03	* 95.04	* 95.05	* 95.06	* 95.07	* 95.08	* 97.04	* 97.05	* 98.09		
		* 98.10	* 98.11	* 98.12	* 98.16								
370	4101	* 73.31	73.32	* 74.14	* 74.15								4
371	4308	* 73.188	* 73.19	* 73.20	* 74.08	* 75.04	* 75.05	* 76.06	* 76.07	* 79.038	* 79.04		11
		84.61											
372	4703	* 82.05	82.07	* 84.48	84.60	* 90.16							5
373	5503	* 85.19	85.27	91.06									3
374	5701	* 95.21											1
375	8001	*	*	* 01.068	* 26.015	* 27.17	* 37.03	37.04	37.05	37.06	37.07		33
		* 47.17	* 48.08	* 48.21	* 49.05	* 49.06	* 54.05	* 57.09	* 57.10	* 71.07A	* 71.07B		
		* 71.08	* 71.11B	* 72.01A	* 72.01B	* 72.01C	* 90.21	* 92.12	* 98.16	99.01	99.02		
		* 99.03	99.05	99.06									
376	8300	*	*	* 09.018	* 12.07	* 18.02	* 23.05	* 23.07	* 26.015	26.02	* 26.03		56
		* 27.17	* 28.05A	* 39.01	* 39.02	* 39.038	* 40.03	* 40.05	* 40.06	* 40.07	* 40.08		7
		* 40.09	* 40.11	* 40.15	* 45.01	* 47.02	63.01	63.02	* 70.01	* 70.02	* 70.03		
		* 71.07A	* 71.07B	* 71.08	* 71.11A	* 71.11B	* 72.01A	* 72.01B	* 72.01C	73.03	74.01B		
		75.01B	76.01A	77.01A	78.01A	79.01A	79.03A	80.01A	* 81.01	* 81.02	* 81.04B		
		* 87.01A	* 87.02A	* 93.04	* 93.05	* 93.06A	* 98.16						
377	9999	* 26.03	* 50.09	* 50.10	* 61.02	* 71.11A	* 71.13	* 71.14					

THE NUMBER OF UNIQUE MASTER CODES IS 377

THE NUMBER OF UNIQUE PAIRS OF MASTER AND SUBCODES IS 3367

Source: Prepared by V. Roningen.

Note: The master code in the IO-SIC. The subcodes are the 5-digit BTN numbers which relate on a one-to-one basis to pure SITC numbers. The 5-digit BTN numbers are found in: Nomenclature for the Classification of Goods in Customs Tariffs, Customs Co-operation Council, Fourth edition (1972), Brussels, Belgium.

This concordance is identical to the one in Appendix A relating SITC numbers to IO-SIC numbers since each 5-digit BTN number corresponds to a 5-digit pure SITC number on a one-to-one basis.

APPENDIX C

Methodology of Effective Tariff Rate Calculation in the Study

Two calculation techniques used in the study differ slightly from usual effective tariff (ET) types of calculations. The results of the calculation with and without these techniques do not differ very much as an overall basis, but do differ for some industries. The results presented in the study proper incorporate the techniques while tables in appendix D present ET calculations both with and without one of the techniques.

The first technique was one of trying to calculate a vector of tariffs for input purposes that differed from the output tariff vector. This was done because: An industry produces a mix of goods; some goods are sold to consumers while some may be sold mostly to other industries as input materials. The tariff average covering an industry's output should include all types of output. The nominal tariff averages presented in Parts I and II are of this type. However, the tariffs of input goods into an industry's production should really exclude products which are designated as final consumption products. 1/ Thus a tariff average covering final and intermediate output of an industry is not necessarily the same tariff average that should reflect that industry's tariff costs to other industries buying the intermediate product. Therefore, a second vector of tariff averages which excluded products specifically designated as final manufactures was calculated and was used for the input tariffs in the ET formula.

1/ If it were possible, it would be better to specifically designate the input products for each sector. However, it was not possible with the available data. Much sector expertise would be needed to make this type of a modification.

This calculation was made possible by the following State of Transformation Codes which appeared on a TSUSA-SIC concordance tape for each TSUSA number.

A= Agriculture - raw material
B= Agriculture - semiprocessed
C= Agriculture - manufactured
D= Agriculture - combination of raw material and/or semiprocessed and/or manufactured goods
E= Industry - raw material
F= Industry - semimanufactured
G= Industry - manufactured
H= Industry - combination of raw material and/or semiprocessed and/or manufactured goods
J= Fishing - fresh fish
K= Fishing - semiprocessed
L= Fishing - manufactured
X= Not susceptible to classification in any one of the above categories

Input tariff averages excluded C, G, and L designated TSUSA numbers. The Special Advisor for Trade Agreements at the U.S. International Trade Commission provided these designations and the tariff computer tapes.

The second calculation technique was concerned with the use of the 478 sector U.S. input-output table for 1963 to get input weights and the ratio of value-added to total output, all of which are needed in the ET formula. A computer tape of the IO table and an accompanying description were obtained from the Bureau of Economic Analysis, U.S. Department of Commerce. More description of the table details plus information on indirect taxes at the 80-sector IO level was found in: Albert J. Walderhaug, "The Composition of Value-Added in the 1963 Input-Output Study," Survey of Current Business, April 1973. Additional data on indirect tax collection, especially for the liquor and tobacco

industries, was used to get approximations of indirect tax rates for most 1963 IO sectors.

All of the above data were used in conjunction with adjustment techniques to prepare a final adjusted vision of the IO table for use in ET formula 1.

First, only "direct allocations" and "domestic margin transactions" were used to define the input-output structure. This avoids the use of the item in the transaction table called "transfers." These are industries whose secondary products are treated as if sold to the industries where they would be primary. The use of these transfers would lead to double counting in the output structure. Transferred inputs would be counted as a purchase both from the industry where the product is actually produced as a secondary product and as an input from the primary industry where it is transferred. 1/ A better theoretical procedure might have been to include the transfer in the primary industry and subtract it from the industry for which the product was secondary; however the information was not available for this procedure.

Next, indirect taxes were netted out both from value-added and from purchased inputs. The philosophy represented here is that in the long run, indirect taxes are paid by the final consumer. Resources in any sector receiving lower returns because of indirect tax burdens should move to more lucrative production activities. The resultant 1963 IO-based output value (inputs + value-added) figures arrived

1/ The omission of transfers was suggested by J. Ozello of the U.S. State Department.

at in the above manner correlated the best with the 1963 shipments figures from the Census of Manufactures. The latter were found in Industry Profiles, 1970, Bureau of the Census, Department of Commerce. The Industry Profile shipments figures do not include "transfers" and exclude indirect taxes; hence they were a useful check on the above adjustment procedures.

Preliminary estimates of ET rates showed some sector rates to be highly unstable, i.e., they would change from being large and positive to being large and negative. This occurs when free trade value-added in the ET formula approaches zero and becomes negative. This problem may reflect reality (which would be an industry that could not even pay materials input costs if protection were removed) or it may reflect an overly small value-added share of total output value for the sector in the IO table. The latter was observed to be the case for some of the troublesome industries. Attempts were also made, using other data as checks, to determine whether the IO data were credible. Finally, the following adjustment procedure was adopted. Price deflators for 1963, 1965, and 1967 were prepared for all IO-SIC sectors. Most of the manufacturing deflators were aggregated from a tape of such data supplied by the Federal Reserve Board. Broad price deflators were added covering agriculture, mining, and construction. In many of the non-manufacturing sectors, the same deflator was used. The result was a crude vector of price deflators covering all IO production sectors for the named years. These were then run through the ET calculation. The output for each year was a vector of "value-added price deflators."

These were checked for erratic behavior. The argument used was that if the IO table presumably describes reality, then real price deflators run through the table should also reflect a realistic situation as far as the price incentives in resource movement are concerned. Here again, however, certain sectors (mostly the same ones giving trouble with tariff rates) exhibited erratic behavior. It was then decided to use this price information to adjust the value-added figures of the IO table in such a way as to stabilize the price behavior of the IO table over the three years. The following method was used to calculate the adjustment coefficient for value-added for each sector in the IO table.

A change in value-added price results in a new coefficient for value-added per unit output. The problem is to find an adjustment coefficient for the new value-added coefficient that implies a "reasonable" or desired change in value-added price when a vector of sector prices is run through the IO table. Let:

V = old value-added coefficient

$\tilde{V}$ = observed percentage change in value-added price

$\tilde{V}_D$ = desired percentage change in value-added price that would yield new adjusted value-added coefficient

V_A' = the new adjusted value-added coefficient

V' = the new unadjusted coefficient

$V_A' \equiv V'(1+A)$ where A is the desired adjustment coefficient

$V' \equiv V(1 + \tilde{V})$ and $V_A' = V(1 + \tilde{V}_D)$

$$\text{therefore } V'(1 + A) = V(1 + \tilde{V}_D)$$

$$\text{and} \qquad V(1 + \tilde{V})(1 + A) \equiv V(1 + \tilde{V}_D)$$

$$1 + A = \frac{1 + \tilde{V}_D}{1 + \tilde{V}}$$

$$A = \frac{1 + \tilde{V}_D - 1 - \tilde{V}}{1 + \tilde{V}} = \frac{\tilde{V}_D - V}{1 + \tilde{V}}$$

Thus, an adjustment coefficient for value-added per unit output for each industry could be obtained by calculating a percentage change in value-added price $\tilde{V}$, selecting a desired or target change ($\tilde{V}_D$), and inserting these values into the formula for A.

Two versions of A were calculated. They were then normalized; i.e., the sector size weighted mean was subtracted from the coefficient for each sector. Finally, 3/4 of the sum of the normalized coefficient was used to adjust value-added input up or down for each sector in the 1963 input-output table.

The Federal Reserve deflators for 1963, 1965, and 1967 were run through the IO table using formula 1 in the text. This gave percentage changes in "value-added" prices for the IO sectors from a base year of 1958 = 100. 1/

The two adjustment coefficients required a theoretical target ($\tilde{V}_D$) percentage value-added price change. One target was to assume that given the maximum absolute change in the calculated $\tilde{V}$'s (from 1958 to 1967), the adjustment would be such that the target change ($\tilde{V}_D$)

1/ Here again, the problem of input versus output indices arises in the same manner as in the calculation of ET rates.

would not exceed the overall sector size weighted average maximum change. This restriction said in effect that value-added price changes in any sector should not realistically change too much from the average maximum change. The effect of this coefficient was to dampen down some of the enormous changes for a few sectors.

The second adjustment was done by assuming that the maximum value-added price change should not exceed the maximum absolute price change. This adjustment said that maximum changes in value-added prices should not greatly exceed maximum changes in sector prices for each sector. 1/

The rationale for both of these restrictions is that an unreasonable degree of disequilibrium between factor returns in various sectors is not credible. In the first case, if a sector's value-added price change deviates too much from the average, resources would flow into or out of the sector. In the second case, sectors that are super-sensitive to output price changes as far as returns to factors are concerned are suspect. Thus, one adjustment dampens value-added price changes on a cross-section comparison basis while the other does it on a within-sector price to value-added price change comparison. Expediency led to a final coefficient of 0.75 of the sum of the two types of adjustments. This seemed to catch the worst of the outlying ET rates.

The final adjustment coefficient simply changed the protected value-added coefficient. Input coefficients used in ET calculation were not changed.

1/ In these adjustments maximum absolute changes were the difference between the absolute value of the maximum and minimum indices. If I is an index and DX is the maximum absolute change:

$$DX = \text{Absolute value}\,(\text{maximum}\,(I_1, I_2, I_3)) - \text{Absolute value}\,(\text{minimum}\,(I_1, I_2, I_3))$$

Comparison of ET rates using completely unadjusted and adjusted IO coefficients showed that the ET rates for most sectors were almost identical. Only the erratic sectors were damped, and in most of the cases the previously erratic ET rates now settled down to positive high values.

A list of IO-SIC sectors and their unadjusted and adjusted ET rates follows for those sectors where the ET rate changed more than 10 percentage points.

PKR ET rates changing more than 10 percentage points in the adjustment procedure.

IO-SIC	Old Unadjusted PKR ET Rates	New Adjusted PKR ET Rates
2021	3354.7	271.7
2022	139.1	65.0
2023	11.0	21.0
2092	-154.0	44.6
2093	52.3	5.9
2096	798.5	557.6
2131	-9.3	11.0
2141	88.2	69.5
2292	53.5	37.2
2247	280.0	52.8
2298	53.3	28.2
2299	121.0	18.4
2392	16.0	26.1
3151	247.7	348.9
3253	50.0	36.7
3333	36.5	23.9
3339	84.1	11.6
3751	45.8	23.7
3831	47.4	27.0
3872	54.2	39.8
3913	31.0	15.8
3942	37.9	27.0
3962	105.7	21.5
3995	362.1	114.2

For the sectors in the list, those adjusted ET rates which move from very high rates to slightly higher or lower ones are credible, since their movement will not greatly affect sector rankings of ET rates. However, a more complete adjustment procedure could be made by using other data (such as capital and labor data) in the context of a model that crudely forced certain equilibrium conditions to be true. A simple model such as that presented in Part III might be useful for this purpose. The only other adjustment procedure would be the generous application of sector expertise.

APPENDIX D

Calculation of U.S. effective tariff rates with and without separate input tariff vectors.

Tables D-1 and D-2 show separate sets of nominal tariff averages for output tariffs and input tariffs. Table D-1 shows data using import weighted nominal tariffs while table D-2 uses unweighted nominal tariff averages. The rates in both tables are for 1965, 1970, and PKR rates.

The nominal output rates (NO) appearing in columns 2, 6, and 10 are the averages covering all of the TSUSA AVE's in each IO-SIC sector. These are the same averages that appear in tables 1, 3, 8, and 10.

The nominal input (NI) rates in columns 3, 7, and 11 are the input tariff vectors used in the ET calculations in tables 8 and 10 and in the ET calculations in columns 5, 9, and 13 of the tables in this appendix. Thus the ET rates (labelled EI in the appendix) are the same as those in tables 8 and 10 (calculated from TSUSA-sourced data). The input tariff vectors were calculated in the manner described in appendix C. Basically, they exclude TSUSA items that were designated only as final manufactures.

Columns 4, 8, and 12 of the tables in this appendix give alternative ET calculations which do not use the input tariff vector. Instead, the ET rates (column labelled EO) simply use the NO tariff vector to represent both the output and input tariff averages in the ET formula.

The appendix tables also include ET rates for those IO table sectors which do not produce goods competitive with imports. These are mostly construction and service sectors; their nominal tariff averages are set at zero; however, they do have ET rates since they purchase material inputs from sectors which are covered by tariffs. Their ET rates are negative, roughly indicating how much tariff protection elsewhere raises their production costs. The main point of including these sectors is to re-emphasize the complexity of protection effects when one uses the effective tariff concept.

The output (NO) and input (NI) nominal tariffs are highly correlated as indicated by rank correlation coefficients of about 0.95 or better between them. (See the rank correlation matrix at the end of each table in this appendix.) The ET rates calculated with (EI) and without (EO) the use of the separate input tariff sectors are also highly correlated. Their rank correlation coefficients hover around 0.99. Thus while there are some differences for specific sectors, and while there is some small overall difference between output and input tariff sectors as they were calculated, there is very little difference on a rank basis in the ET rates calculated with and without the separate input tariff vectors. (This lack of difference may simply mean that the input tariff vector calculated was not adequate.)

Table D-1.--U.S. effective tariffs using import weighted nominal tariff averages

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 -NOMINAL- NO	1965 -NOMINAL- NI	1965 -EFFECTIVE- EO	1965 -EFFECTIVE- EI	1970 -NOMINAL- NO	1970 -NOMINAL- NI	1970 -EFFECTIVE- EO	1970 -EFFECTIVE- EI	FKR -NOMINAL- NO	FKR -NOMINAL- NI	FKR -EFFECTIVE- EO	FKR -EFFECTIVE- EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
101	DAIRY FARM PRODUCTS----------(101)----	8.6	8.6	18.8	18.6	6.1	6.1	11.1	11.1	7.4	7.0	[illegible]	[illegible]
102	POULTRY & EGGS----------(102)----	10.3	10.3	55.6	54.2	10.7	10.7	74.6	73.4	[illegible]	[illegible]	[illegible]	[illegible]
103	MEAT, ANIMALS, & MISCELLANEOUS LIVESTOCK PRODUCTS----------(103)----	4.2	4.5	2.0	1.6	7.7	7.7	15.6	14.0	7.6	7.5	14.5	14.1
201	COTTON----------(201)----	5.3	5.3	9.4	9.5	5.6	5.6	10.2	10.4	[illegible]	[illegible]	10.7	10.8
202	FOOD FEED GRAINS & GRASS SEEDS------(202)----	6.8	6.8	11.6	11.5	5.4	5.4	9.6	9.6	[illegible]	[illegible]	[illegible]	[illegible]
203	TOBACCO----------(203)----	17.1	24.7	27.7	27.6	21.0	21.9	36.9	36.9	20.6	20.4	34.7	34.7
204	FRUITS & TREE NUTS----------(204)----	0.3	0.3	-1.2	-0.9	0.2	0.2	-1.0	-0.6	0.2	0.2	-0.7	-0.7
205	VEGETABLES, SUGAR & MISC. CROPS-----(205)----	11.4	11.5	16.8	17.4	8.0	8.0	12.9	13.4	8.8	8.8	14.1	14.1
206	OIL BEARING CROPS----------(206)----	0.7	0.7	-0.7	-0.8	0.3	0.3	-1.8	-1.8	0.1	0.1	-2.2	-2.2
207	FOREST, GREENHOUSE & NURSERY PRODUCTS----------(207)----	2.8	2.3	2.7	2.8	2.0	2.3	1.5	1.9	1.7	1.9	1.5	1.5
300	FORESTRY & FISHERY PRODUCTS---------(300)----	1.2	0.9	-0.2	-0.3	0.6	0.7	-0.9	-1.0	0.8	0.5	-0.7	-1.0
400	AGRICULTURAL, FORESTRY & FISHERY SERVICES----------(400)----	0.0	0.0	-8.1	-8.0	0.0	0.1	-7.1	-7.3	0.0	0.0	-8.8	-8.9
500	IRON & FERROALLOY ORES MINING-------(500)----	0.1	1.7	-1.4	-1.7	0.1	0.1	-1.0	-1.1	1.4	1.4	-0.5	-1.1
601	COPPER ORE MINING----------(601)----	0.6	0.6	-1.5	-1.4	0.0	0.0	-1.9	-1.9	1.2	1.2	-0.1	-0.0
602	NONFERROUS METAL ORES MINING, EXCEPT COPPER----------(602)----	2.1	2.1	1.0	1.0	1.9	1.9	1.5	1.6	1.9	1.9	1.5	1.7
700	COAL MINING----------(700)----	0.0	0.0	-1.7	-1.8	0.0	0.0	-1.2	-1.2	0.0	0.0	-1.2	-1.3
800	CRUDE PETROLEUM & NATURAL GAS-------(800)----	3.0	3.0	4.1	4.0	3.0	3.0	4.2	4.0	3.0	3.0	4.3	4.2
900	STONE & CLAY MINING & QUARRYING-----(900)----	0.2	0.2	-2.1	-2.0	0.1	0.1	-1.5	-1.6	0.1	0.1	-1.9	-1.9
1000	CHEMICAL & FERTILIZER MINERAL MINING----------(1000)----	4.1	4.1	4.6	4.7	3.2	3.2	3.7	3.8	3.0	3.0	3.3	3.4
1419	CANE SUGAR, EXCLUDING REFINING------(2061)-+ CANE SUGAR REFINING----------(2062)-+ BEET SUGAR----------(2063)----	7.3	7.3	7.2	7.1	6.7	6.7	7.9	8.0	7.	7.	10.9	11.
1503	NEW RESIDENTIAL SINGLE FAMILY HOUSING, NONFARM----------(1503)----	0.0	0.0	-8.0	-6.5	0.0	0.0	-5.9	-5.9	0.0	0.0	-4.7	-4.7
1504	NEW RESIDENTIAL TWO-FOUR FAMILY HOUSING----------(1504)----	0.0	0.0	-7.5	-6.6	0.0	0.0	-5.3	-5.4	0.0	0.0	-4.2	-4.3
1505	NEW RESIDENTIAL GARDEN APARTMENTS---(1505)----	0.0	0.0	-8.5	-7.9	0.0	0.0	-6.0	-6.0	0.0	0.0	-4.8	-4.8
1506	NEW RESIDENTIAL HIGH-RISE APARTMENTS----------(1506)----	0.0	0.0	-9.3	-8.5	0.0	0.0	-6.6	-7.2	0.0	0.0	-5.3	-5.7
1507	NEW RESIDENTIAL ALTERATIONS & ADDITIONS----------(1507)----	0.0	0.0	-8.8	-7.5	0.0	0.0	-6.7	-7.0	0.0	0.0	-5.4	-5.6
1508	NEW HOTELS & MOTELS----------(1508)----	0.0	0.0	-8.7	-8.0	0.0	0.0	-6.3	-6.2	0.0	0.0	-5.1	-5.0
1509	NEW DORMITORIES----------(1509)----	0.0	0.0	-9.2	-8.5	0.0	0.0	-6.2	-6.1	0.0	0.0	-5.0	-4.9
1511	NEW INDUSTRIAL BUILDINGS----------(1511)----	0.0	0.0	-9.0	-8.1	0.0	0.0	-6.3	-6.3	0.0	0.0	-5.0	-5.0
1512	NEW OFFICE BUILDINGS----------(1512)----	0.0	0.0	-9.3	-8.5	0.0	0.0	-6.7	-6.7	0.0	0.0	-5.4	-5.4
1513	NEW WAREHOUSES----------(1513)----	0.0	0.0	-8.3	-7.4	0.0	0.0	-5.8	-5.8	0.0	0.0	-4.7	-4.7
1514	NEW GARAGES & SERVICE STATIONS------(1514)----	0.0	0.0	-9.2	-8.3	0.0	0.0	-6.8	-6.8	0.0	0.0	-5.6	-5.6
1515	NEW STORES & RESTAURANTS------------(1515)----	0.0	0.0	-8.7	-7.8	0.0	0.0	-6.3	-6.2	0.0	0.0	-5.2	-5.2
1516	NEW RELIGIOUS BUILDINGS-------------(1516)----	0.0	0.0	-8.5	-7.8	0.0	0.0	-6.0	-6.0	0.0	0.0	-4.9	-4.9
1517	NEW EDUCATION BUILDINGS-------------(1517)----	0.0	0.0	-10.5	-9.6	0.0	0.0	-7.6	-7.6	0.0	0.0	-6.0	-6.0
1518	NEW HOSPITAL BUILDINGS--------------(1518)----	0.0	0.0	-9.0	-8.4	0.0	0.0	-6.7	-6.6	0.0	0.0	-5.4	-5.4
1519	OTHER NEW NONFARM BUILDINGS---------(1519)----	0.0	0.0	-8.9	-8.2	0.0	0.0	-6.5	-6.4	0.0	0.0	-5.3	-5.3
1601	NEW TELEPHONE & TELEGRAPH FACILITIES----------(1601)----	0.0	0.0	-16.2	-14.0	0.0	0.0	-11.6	-11.3	0.0	0.0	-8.5	-8.3
1602	NEW RAILROADS----------(1602)----	0.0	0.0	-6.8	-6.8	0.0	0.0	-5.7	-5.7	0.0	0.0	-4.1	-4.1
1603	NEW ELECTRIC UTILITY FACILITIES-----(1603)----	0.0	0.0	-10.0	-10.0	0.0	0.0	-7.6	-7.6	0.0	0.0	-5.9	-5.9
1604	NEW GAS UTILITY FACILITIES----------(1604)----	0.0	0.0	-8.5	-8.6	0.0	0.0	-6.9	-6.9	0.0	0.0	-4.3	-4.3
1605	NEW PETROLEUM PIPELINES-------------(1605)----	0.0	0.0	-8.5	-8.6	0.0	0.0	-7.0	-6.9	0.0	0.0	-5.3	-5.3
1606	NEW WATER SUPPLY FACILITIES----------(1606)----	0.0	0.0	-9.5	-10.5	0.0	0.0	-7.2	-8.0	0.0	0.0	-5.1	-5.9
1607	NEW SEWER FACILITIES----------(1607)----	0.0	0.0	-9.8	-9.4	0.0	0.0	-7.4	-7.1	0.0	0.0	-5.3	-5.3
1608	NEW LOCAL TRANSIT FACILITIES---------(1608)----	0.0	0.0	-4.4	-5.1	0.0	0.0	-3.4	-3.4	0.0	0.0	-3.0	-3.7
1610	NEW HIGHWAYS----------(1610)----	0.0	0.0	-5.2	-4.9	0.0	0.0	-4.0	-3.7	0.0	0.0	-3.0	-2.8
1621	NEW FARM RESIDENTIAL BUILDINGS------(1621)----	0.0	0.0	-8.7	-7.7	0.0	0.0	-6.6	-6.6	0.0	0.0	-5.0	-4.7
1622	NEW FARM SERVICE FACILITIES---------(1622)----	0.0	0.0	-7.5	-6.3	0.0	0.0	-5.7	-4.7	0.0	0.0	-4.2	-3.5
1623	NEW OIL & GAS WELLS----------(1623)----	0.0	0.0	-4.5	-5.6	0.0	0.0	-3.7	-4.4	0.0	0.0	-2.8	-3.5
1624	NEW OIL & GAS EXPLORATION-----------(1624)----	0.0	0.0	-0.8	-0.5	0.0	0.0	-0.6	-0.6	0.0	0.0	-1.9	-1.7
1625	NEW MILITARY FACILITIES----------(1625)----	0.0	0.0	-9.3	-9.0	0.0	0.0	-7.0	-7.0	0.0	0.0	-5.8	-5.7
1626	NEW CONSERVATION & DEVELOPMENT FACILITIES----------(1626)----	0.0	0.0	-2.9	-2.7	0.0	0.0	-2.4	-2.4	0.0	0.0	-2.4	-2.3
1627	OTHER NEW NONBUILDING FACILITIES----(1627)----	0.0	0.0	-8.1	-7.5	0.0	0.0	-6.2	-6.1	0.0	0.0	-5.2	-5.1
1701	WOVEN CARPETS & RUGS----------(2271)-+ TUFTED CARPETS & RUGS----------(2272)-+ CARPETS & RUGS, N.E.C.----------(2279)----	17.2	17.8	50.5	49.1	13.5	12.8	21.9	18.1	13.2	18.2	11.0	[illegible]
1710	MAINTENANCE & REPAIR, RESIDENTIAL---(1710)----	0.0	0.0	-6.1	-4.6	0.0	0.0	-4.4	-3.5	0.0	0.0	-3.4	-2.6
1721	MAINTENANCE & REPAIR OF OTHER NONFARM BUILDINGS----------(1721)----	0.0	0.0	-4.8	-4.0	0.0	0.0	-3.5	-3.1	0.0	0.0	-2.7	-2.3
1722	MAINTENANCE & REPAIR OF FARM RESIDENTIAL----------(1722)----	0.0	0.0	-8.0	-6.2	0.0	0.0	-5.8	-4.9	0.0	0.0	-4.5	-3.8
1723	MAINTENANCE & REPAIR OF FARM SERVICE FACILITIES----------(1723)----	0.0	0.0	-3.0	-2.5	0.0	0.0	-2.1	-1.7	0.0	0.0	-1.6	-1.3
1724	MAINTENANCE & REPAIR OF TELEPHONE & TELEGRAPH FACILITIES----------(1724)----	0.0	0.0	-1.8	-1.6	0.0	0.0	-1.3	-1.2	0.0	0.0	-1.1	-1.0
1725	MAINTENANCE & REPAIR OF RAILROADS---(1725)----	0.0	0.0	-2.3	-2.4	0.0	0.0	-1.9	-1.8	0.0	0.0	-1.6	-1.6
1726	MAINTENANCE & REPAIR OF ELECTRIC UTILITY FACILITIES----------(1726)----	0.0	0.0	-2.1	-2.0	0.0	0.0	-1.5	-1.6	0.0	0.0	-1.2	-1.2
1727	MAINTENANCE & REPAIR OF GAS UTILITY FACILITIES----------(1727)----	0.0	0.0	-3.1	-3.0	0.0	0.0	-2.5	-2.5	0.0	0.0	-2.3	-2.2
1728	MAINTENANCE & REPAIR OF PETROLEUM PIPELINES----------(1728)----	0.0	0.0	-6.3	-6.0	0.0	0.0	-4.9	-4.7	0.0	0.0	-4.1	-4.1
1729	MAINTENANCE & REPAIR OF WATER SUPPLY FACILITIES----------(1729)----	0.0	0.0	-2.1	-2.0	0.0	0.0	-1.6	-1.6	0.0	0.0	-1.4	-1.5
1731	MAINTENANCE & REPAIR OF SEWER FACILITIES----------(1731)----	0.0	0.0	-3.0	-2.9	0.0	0.0	-2.6	-2.5	0.0	0.0	-1.2	-1.2
1732	MAINTENANCE & REPAIR OF LOCAL TRANSIT FACILITIES----------(1732)----	0.0	0.0	-4.3	-4.1	0.0	0.0	-3.5	-3.3	0.0	0.0	-2.9	-2.7
1733	MAINTENANCE & REPAIR OF MILITARY FACILITIES----------(1733)----	0.0	0.0	-3.5	-3.0	0.0	0.0	-2.5	-2.4	0.0	0.0	-2.0	-1.7
1734	MAINTENANCE & REPAIR OF CONSERVATION & DEVELOPMENT FACILITIES----(1734)----	0.0	0.0	-1.3	-1.4	0.0	0.0	-1.0	-1.0	0.0	0.0	-1.0	-1.3
1735	MAINTENANCE & REPAIR OF HIGHWAYS----(1735)----	0.0	0.0	-1.4	-1.1	0.0	0.0	-1.1	-0.8	0.0	0.0	-0.9	-0.7

Table D-1.--U.S. effective tariffs using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 -NOMINAL- NO	1965 -NOMINAL- MI	1965 -EFFECTIVE- EO	1965 -EFFECTIVE- EI	1970 -NOMINAL- NO	1970 -NOMINAL- MI	1970 -EFFECTIVE- EO	1970 -EFFECTIVE- EI	PER -NOMINAL- NO	PER -NOMINAL- MI	PER -EFFECTIVE- EO	PER -EFFECTIVE- EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1736	MAINTENANCE & REPAIR OF OIL & GAS WELLS----------(1736)----	0.0	0.0	-1.3	-1.4	0.0	0.0	-0.3	-0.4	.	0.0	-0.7	-0.7
1737	MAINTENANCE & REPAIR OF OTHER NONBUILDING FACILITIES----------(1737)----	0.0	0.0	-2.1	-1.9	0.0	0.0	-1.6	-1.4	.	0.0	-1.3	-1.3
1804	MEN'S & BOYS' SUITS, COATS & OVERCOATS----------(2311)-+												
	MEN'S & BOYS' SHIRTS, COLLARS & + NIGHTWEAR----------(2321)-+												
	MEN'S & BOYS' UNDERWEAR----------(2322)-+												
	MEN'S & BOYS' NECKWEAR----------(2323)-+												
	MEN'S & BOYS' SEPARATE TROUSERS-----(2327)-+												
	MEN'S & BOYS' WORK CLOTHING---------(2328)-+												
	MEN'S & BOYS' CLOTHING, N.E.C.------(2329)-+												
	WOMEN'S & JUNIORS' BLOUSES, WAISTS, + & SHIRTS----------(2331)-+												
	WOMEN'S & JUNIORS' DRESSES----------(2335)-+												
	WOMEN'S & JUNIORS' SUITS, SKIRTS, & + COATS----------(2337)-+												
	WOMEN'S & JUNIORS' OUTERWEAR, + N.E.C.----------(2339)-+												
	WOMEN'S, CHILDRENS' & INFANTS' + UNDERWEAR & NIGHTWEAR----------(2341)-+												
	CORSETS & ALLIED GARMENTS----------(2342)-+												
	MILLINERY----------(2351)-+												
	HATS & CAPS, EXCEPT MILLINERY-------(2352)-+												
	GIRLS' & INFANTS' DRESSES, BLOUSES, + WAISTS & SHIRTS----------(2361)-+												
	GIRLS' & INFANTS' COATS & SUITS-----(2363)-+												
	GIRLS' & INFANTS' OUTERWEAR, N.E.C.-(2369)-+												
	FUR GOODS----------(2371)-+												
	DRESS & WORK GLOVES, EXCEPT KNIT & + ALL-LEATHER----------(2381)-+												
	ROBES & DRESSING GOWNS----------(2384)-+												
	RAINCOATS & OTHER WATERPROOF OUTER + GARMENTS----------(2385)-+												
	LEATHER & SHEEP LINED CLOTHING------(2386)-+												
	APPAREL BELTS----------(2387)-+												
	APPAREL & ACCESSORIES, N.E.C.-------(2389)-+												
	FURS, DRESSED & DYED (INCLUDED IN + SIC 3999 IN 1967)----------(3992)----	23.4	17.6	32.6	34.4	25.6	7.2	36.3	44.7	2.2	9.6	10.4	10.3
1925	COMPLETE GUIDED MISSILES----------(1925)----	1.4	1.4	0.3	0.1	1.7	1.7	0.5	0.1	0.3	0.3	31.5	31.0
1929	AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C.----------(1929)----	1.4	1.4	-4.2	-3.3	1.7	1.7	-1.3	-1.4	0.3	0.3	11.4	11.0
1931	TANKS & TANK COMPONENTS-------------(1931)----	2.9	2.9	-11.5	-11.3	5.0	5.0	-5.5	-5.1	2.1	2.1	-6.0	-6.2
1941	SIGHTING & FIRE CONTROL EQUIP.------(1941)----	1.4	1.4	-5.5	-5.4	1.7	1.7	-3.8	-3.4	0.3	0.3	1.9	1.9
1951	SMALL ARMS----------(1951)----	16.2	15.2	25.4	26.7	11.7	11.7	14.5	15.1	-4.5	-3.5	-10.9	-11.6
1961	SMALL ARMS AMMUNITION----------(1961)----	4.6	-.0	4.4	5.3	4.7	.0	4.4	-.3	.0	-.0	-.2	-.5
1990	GUNS, HOWITZERS, MORTARS & RELATED EQUIPMENT----------(1911)-+												
	ORDNANCE & ACCESSORIES, N.E.C.------(1999)----	1.4	1.4	-1.4	-1.3	1.7	1.7	.1	.1	.4	.4	11.4	11.3
2011	MEAT PACKING PLANTS----------(2011)----	7.6	7.3	35.8	35.4	4.8	5.1	-6.6	-6.6	-.7	-2.2	-7.2	-7.2
2013	SAUSAGES & OTHER PREPARED MEATS-----(2013)----	10.4	8.9	23.7	22.2	5.0	5.7	7.1	7.6	-5.4	-3.2	-6.6	-6.6
2015	POULTRY DRESSING PLANTS----------(2015)----	9.9	4.5	14.1	11.3	11.7	7.1	15.3	13.3	1.8	2.7	1.2	2.0
2021	CREAMERY BUTTER----------(2021)----	12.0	12.0	58.2	57.6	8.8	8.8	53.1	51.6	-3.2	-3.2	-5.1	-6.0
2022	CHEESE, NATURAL & PROCESSED----------(2022)----	15.5	15.1	47.5	48.1	13.0	13.0	43.7	44.0	-2.5	-2.1	-3.8	-4.1
2023	CONDENSED & EVAPORATED MILK----------(2023)----	0.8	.4	-15.1	-16.6	0.7	.4	-11.4	-13.7	-.1	.0	-3.7	-2.9
2024	ICE CREAM & FROZEN DESSERTS----------(2024)----	16.8	16.8	55.5	54.2	12.4	12.4	53.1	52.1	-4.5	-4.5	-2.4	-2.1
2026	FLUID MILK----------(2026)----	8.6	8.6	12.6	12.2	6.1	6.1	8.7	8.4	-2.5	-2.5	-3.9	-3.7
2031	CANNED & CURED SEA FOODS----------(2031)----	8.0	9.0	21.4	20.8	6.1	6.2	16.9	16.2	-1.9	-2.7	-4.5	-4.7
2032	CANNED SPECIALTIES----------(2032)----	12.8	12.8	26.3	24.5	8.8	8.8	15.2	14.7	-3.9	-3.9	-9.1	-9.7
2033	CANNED FRUITS & VEGETABLES----------(2033)----	10.4	8.4	23.6	24.2	9.0	8.1	17.0	17.1	-1.4	-1.3	-6.7	-7.1
2034	DEHYDRATED FRUITS & VEGETABLES------(2034)----	14.8	14.5	29.7	31.0	12.7	12.7	26.3	27.1	-2.1	-1.8	-3.4	-3.9
2035	PICKLES, SAUCES, & SALAD DRESSINGS----------(2035)----	11.5	7.3	23.2	22.3	7.6	6.2	6.1	5.1	-3.9	-1.1	-17.1	-17.2
2036	FRESH OR FROZEN PACKAGED FISH-------(2036)----	1.3	0.6	-3.1	-5.1	1.1	1.1	-1.6	-3.4	-.2	.5	-1.1	-1.7
2037	FROZEN FRUITS & VEGETABLES----------(2037)----	13.0	13.2	33.2	26.2	11.4	11.4	31.7	25.4	-1.6	-1.8	-1.5	-.8
2041	FLOUR & OTHER GRAIN MILL PRODUCTS---(2041)----	2.6	2.5	-15.1	-13.1	4.4	3.5	-5.8	-4.7	.1	.0	-9.3	-8.4
2042	PREPARED FEEDS FOR ANIMALS & FOWLS----------(2042)----	3.6	3.9	-17.9	-17.4	2.6	2.6	-15.3	-14.6	-.0	-1.3	-12.4	-9.1
2043	CEREAL PREPARATIONS----------(2043)----	4.6	4.6	3.7	3.1	2.8	2.8	-.1	-.1	-1.8	-1.8	-4.1	-3.2
2044	RICE MILLING----------(2044)----	7.2	7.2	22.0	22.3	7.3	7.3	24.6	25.0	.1	.1	2.6	2.7
2045	BLENDED & PREPARED FLOUR------------(2045)----	2.3	2.3	-7.1	-7.0	2.3	2.3	-5.0	-4.9	.0	.0	2.1	2.1
2046	WET CORN MILLING----------(2046)----	2.6	2.5	14.3	15.4	1.5	1.7	13.4	14.5	-1.1	-.8	-.9	-.9
2051	BREAD, CAKE, & RELATED PRODUCTS-----(2051)----	5.1	5.1	5.5	5.4	3.5	3.5	3.1	3.0	-1.6	-1.6	-2.4	-2.4
2052	COOKIES & CRACKERS----------(2052)----	5.9	5.9	3.9	3.8	4.2	4.2	1.2	1.2	-1.7	-1.7	-2.7	-2.6
2071	CONFECTIONERY PRODUCTS----------(2071)----	12.7	23.5	31.2	32.4	9.9	22.7	21.8	23.1	-2.8	-.8	-9.4	-9.3
2072	CHOCOLATE & COCOA PRODUCTS----------(2072)----	6.1	6.9	9.1	10.7	3.0	2.4	-0.1	-0.7	-3.1	-4.5	1.7	1.7
2073	CHEWING GUM----------(2073)----	9.1	12.7	11.4	11.7	6.5	11.9	7.5	7.1	-2.5	-.8	-3.9	-4.6
2082	MALT LIQUORS----------(2082)----	9.1	3.0	12.5	12.6	5.8	2.1	7.1	7.4	-3.1	-1.0	-5.7	-5.2
2083	MALT----------(2083)----	5.6	5.6	10.1	10.3	5.7	5.7	13.7	14.0	.0	0.0	11.8	12.1
2084	WINES, BRANDY, & BRANDY SPIRITS-----(2084)----	10.5	10.1	16.6	16.7	9.1	9.1	14.6	14.7	-1.3	-1.1	-1.8	-1.9
2085	DISTILLED LIQUOR, EXCEPT BRANDY-----(2085)----	18.4	18.3	23.3	23.2	12.6	12.6	15.6	15.7	-5.1	-5.1	-7.1	-7.1
2086	BOTTLED & CANNED SOFT DRINKS--------(2086)----	2.0	2.0	-6.3	-5.2	1.2	1.2	-7.5	-6.4	-1.1	-1.1	-1.1	-1.1
2087	FLAVORING EXTRACTS & SYRUPS, N.E.C.-(2087)----	16.8	10.9	30.4	31.1	15.6	10.5	28.1	28.7	-1.5	-.5	-2.3	-2.4
2091	COTTONSEED OIL MILLS----------(2091)----	0.0	0.0	-19.5	-19.5	0.1	0.1	-19.0	-19.0	.0	.0	.5	.5
2092	SOYBEAN OIL MILLS----------(2092)----	48.0	48.0	159.0	159.0	31.9	31.9	85.0	85.0	-16.1	-16.1	-74.0	-74.0
2093	VEGETABLE OIL MILLS, N.E.C.----------(2093)----	5.0	5.0	8.3	12.5	6.4	6.4	18.2	20.7	1.4	1.4	9.9	8.2
2094	ANIMAL & MARINE FATS & OILS---------(2094)----	0.6	0.3	-2.5	-1.4	0.2	0.2	-2.2	-2.3	-.4	-.1	.3	-.9
2095	ROASTED COFFEE----------(2095)----	0.0	0.0	-17.8	-15.2	0.0	0.0	-10.4	-8.7	.0	.0	7.4	6.5
2096	SHORTENING & COOKING OILS----------(2096)----	26.8	26.8	384.2	415.7	26.8	26.8	9999.8	9999.8	.0	.0	9625.6	9584.1
2097	MANUFACTURED ICE----------(2097)----	0.0	0.0	-1.4	-1.4	0.0	0.0	-1.0	-1.0	.0	.0	.4	.4
2098	MACARONI & SPAGHETTI----------(2098)----	5.5	5.5	6.6	6.4	3.8	3.8	0.4	1.0	-1.7	-1.7	-6.2	-5.4
2099	FOOD PREPARATIONS, N.E.C.----------(2099)----	8.1	6.4	11.1	12.8	6.8	5.3	8.8	9.1	-1.3	-1.1	-2.3	-3.6
2120	NAILED WOODEN BOXES & SHOOK---------(2441)-+												
	WIREBOUND BOXES & CRATES------------(2442)-+												
	VENEER & PLYWOOD CONTAINERS, EXCEPT + EXCEPT BOXES & CRATES----------(2443)-+												
	COOPERAGE----------(2445)----	4.7	7.4	8.5	6.0	5.5	5.5	11.5	12.5	.7	-1.1	1.7	.3

Table D-1.--U.S. effective tariffs using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PUBE SIC)	1965				1970				PER			
		-NOMINAL --		-EFFECTIVE --		-NOMINAL --		-EFFECTIVE --		-NOMINAL --		-EFFECTIVE --	
		NO	NI	EO	EI	NO	NI	EO	EI	NO	NI	EO	EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2111	CIGARETTES----------(2111)----	40.[illegible]	[illegible]	67.1	[illegible]	40.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2121	CIGARS----------(2121)----	0.0	0.0	-10.1	-10.4	20.4	20.4	30.1	30.1	[illegible]	[illegible]	[illegible]	[illegible]
2131	CHEWING & SMOKING TOBACCO----------(2131)----	12.4	0.6	11.4	10.7	12.7	12.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2141	TOBACCO STEMMING & REDRYING----------(2141)----	18.0	14.0	25.[illegible]	[illegible]	16.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2201	BROAD WOVEN FABRIC MILLS, COTTON----(2211)-+												
	BROAD WOVEN FABRIC MILLS, MAN-MADE + FIBER & SILK----------(2221)-+												
	BROAD WOVEN FABRIC MILLS, WOOL: + INCLUDING DYEING & FINISHING-------(2231)-+												
	FINISHERS OF BROAD WOVEN FABRICS OF + COTTON----------(2261)-+												
	FINISHERS OF BROAD WOVEN FABRICS OF + MAN-MADE FIBER & SILK----------(2262)----	21.3	21.3	44.4	46.7	24.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2241	NARROW FABRIC MILLS----------(2241)----	20.5	35.8	38.4	14.6	17.0	22.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2251	WOMEN'S HOSIERY, EXCEPT SOCKS-------(2251)----	26.3	26.3	45.1	45.2	29.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2252	HOSIERY, N.E.C.----------(2252)----	26.3	26.3	50.7	51.2	33.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2253	KNIT OUTERWEAR MILLS----------(2253)----	27.6	29.2	49.[illegible]	49.8	33.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2254	KNIT UNDERWEAR MILLS----------(2254)----	27.5	27.5	49.5	49.1	35.1	35.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2256	KNIT FABRIC MILLS----------(2256)----	27.5	27.5	77.5	83.1	27.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2259	KNITTING MILLS, N.E.C.----------(2259)----	29.5	25.6	64.[illegible]	67.4	18.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2260	FINISHERS OF TEXTILES, N.E.C.-------(2269)-+												
	YARN SPINNING MILLS----------(2281)-+												
	YARN THROWING, TWISTING, & WINDING + MILLS----------(2282)-+												
	YARN MILLS, WOOL, INCLUDING CARPET + & RUG YARN----------(2283)----	17.2	16.6	38.5	41.1	17.5	17.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2284	THREAD MILLS----------(2284)----	18.0	18.0	34.4	35.2	17.8	17.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2291	FELT GOODS, N.E.C.----------(2291)----	26.0	26.0	134.8	154.7	20.6	20.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	LACE GOODS----------(2292)----	32.5	21.5	59.[illegible]	63.4	29.7	25.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2293	PADDINGS & UPHOLSTERY FILLING-------(2293)----	23.2	8.9	176.7	193.5	19.7	6.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2294	PROCESSED TEXTILE WASTE----------(2294)----	9.0	8.9	42.2	55.2	8.3	8.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2295	COATED FABRICS, NOT RUBBERIZED------(2295)----	13.0	12.9	3.5	2.5	10.7	10.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2296	TIRE CORD & FABRIC----------(2296)----	6.4	6.4	-18.4	-14.4	15.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2297	SCOURING & COMBING PLANTS----------(2297)----	15.6	15.6	69.2	67.9	16.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2298	CORDAGE & TWINE----------(2298)----	5.5	5.3	1.5	5.[illegible]	5.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2299	TEXTILE GOODS, N.E.C.----------(2299)----	3.[illegible]	2.4	-4.2	-1.[illegible]	2.7	2.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2391	CURTAINS & DRAPERIES----------(2391)----	18.4	18.4	22.9	23.5	15.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	HOUSEFURNISHINGS, N.E.C.----------(2392)----	19.9	19.3	42.9	45.6	16.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2393	TEXTILE BAGS----------(2393)----	8.6	8.6	18.4	[illegible]	5.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2394	CANVAS PRODUCTS----------(2394)----	14.1	14.1	13.7	15.9	11.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2395	PLEATING & STITCHING----------(2395)----	39.1	39.7	66.6	66.7	26.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2396	AUTOMOTIVE & APPAREL TRIMMINGS------(2396)----	22.0	9.3	50.5	50.9	17.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2397	SCHIFFLI MACHINE EMBROIDERIES-------(2397)----	35.4	9.7	58.4	73.2	24.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2399	FABRICATED TEXTILE PRODUCTS, N.E.C.-(2399)----	21.9	20.0	38.1	36.2	16.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2411	LOGGING CAMPS & LOGGING CONTRACTORS----------(2411)----	0.0	0.0	-1.9	-2.9	0.0	0.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2421	SAWMILLS & PLANING MILLS, GENERAL---(2421)----	0.9	0.9	1.3	1.3	0.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2426	HARDWOOD DIMENSION & FLOORING-------(2426)----	11.8	3.7	32.8	33.4	7.1	1.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2429	SPECIAL PRODUCT SAWMILLS, N.E.C.-----(2429)----	0.0	[illegible]	-2.4	-0.7	0.0	0.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2431	MILLWORK----------(2431)----	2.1	0.0	-1.6	0.1	2.7	0.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2432	VENEER & PLYWOOD----------(2432)----	12.5	6.6	26.8	31.3	12.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2433	PREFABRICATED WOOD STRUCTURES-------(2433)----	13.4	0.0	34.1	37.9	9.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2491	WOOD PRESERVING----------(2491)----	7.9	13.5	18.8	18.3	6.0	7.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2499	WOOD PRODUCTS, N.E.C.----------(2499)----	12.4	9.6	24.9	25.5	9.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2500	FOLDING PAPERBOARD BOXES----------(2651)-+												
	SET-UP PAPERBOARD BOXES----------(2652)-+												
	CORRUGATED & SOLID FIBER BOXES------(2653)-+												
	SANITARY FOOD CONTAINERS----------(2654)-+												
	FIBER CANS, TUBES, DRUMS & SIMILAR + PRODUCTS----------(2655)----	12.5	12.7	24.9	23.9	8.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2511	WOOD HOUSEHOLD FURNITURE----------(2511)----	13.0	13.0	22.3	26.6	9.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2512	UPHOLSTERED HOUSEHOLD FURNITURE-----(2512)----	18.6	18.6	33.3	37.0	13.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2514	METAL HOUSEHOLD FURNITURE----------(2514)----	17.6	17.6	37.8	40.7	12.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2515	MATTRESSES & BEDSPRINGS----------(2515)----	18.4	18.4	34.8	40.0	15.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2519	HOUSEHOLD FURNITURE, N.E.C.----------(2519)----	11.4	11.4	27.3	27.3	7.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2521	WOOD OFFICE FURNITURE----------(2521)----	13.0	13.0	23.5	26.7	9.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2522	METAL OFFICE FURNITURE----------(2522)----	17.6	17.6	31.3	32.4	12.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2531	PUBLIC BUILDING FURNITURE----------(2531)----	11.6	11.6	18.1	21.4	8.0	8.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2541	WOOD PARTITIONS & FIXTURES----------(2541)----	9.6	9.6	11.1	14.6	6.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2542	METAL PARTITIONS & FIXTURES----------(2542)----	18.4	18.4	33.0	34.1	12.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2591	VENETIAN BLINDS & SHADES----------(2591)----	18.4	18.4	37.4	37.7	12.8	12.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2599	FURNITURE & FIXTURES, N.E.C.---------(2599)----	7.7	7.7	7.9	9.3	5.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2605	COMMERCIAL PRINTING, EXCEPT LITHOGRAPHIC----------(2751)-+												
	COMMERCIAL PRINTING, LITHOGRAPHIC---(2752)----	5.0	4.9	7.5	7.6	3.4	3.4	5.0	5.1	[illegible]	[illegible]	[illegible]	[illegible]
2611	PULP MILLS----------(2611)----	0.9	0.0	-4.1	-5.1	0.0	0.0	-3.1	-4.1	[illegible]	[illegible]	[illegible]	[illegible]
2621	PAPER MILLS, EXCEPT BUILDING PAPER----------(2621)----	0.6	0.4	-2.5	-2.5	0.3	0.3	-2.[illegible]	-2.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2631	PAPERBOARD MILLS----------(2631)----	6.0	6.8	10.3	9.3	3.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2641	PAPER COATING & GLAZING----------(2641)----	16.4	12.3	47.4	47.8	10.3	6.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2642	ENVELOPES----------(2642)----	17.6	17.6	41.3	42.5	12.8	12.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2643	BAGS, EXCEPT TEXTILE BAGS----------(2643)----	14.5	14.5	50.8	52.0	9.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2644	WALLPAPER----------(2644)----	10.0	14.0	14.9	18.9	6.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2645	DIE CUT PAPER & BOARD----------(2645)----	13.7	13.7	32.5	32.2	9.4	9.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2646	PRESSED & MOLDED PULP GOODS---------(2646)----	8.2	[illegible]	14.2	14.1	5.6	5.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2647	SANITARY PAPER PRODUCTS----------(2647)----	10.9	10.9	[illegible]	35.1	6.[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2648	CONVERTED PAPER PRODUCTS, N.E.C.-----(2649)----	15.1	12.0	33.2	33.5	10.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2661	BUILDING PAPER & BOARD MILLS---------(2661)----	4.2	4.2	5.6	5.3	1.4	1.4	0.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	ALKALIES & CHLORINE----------(2812)-+												
	INDUSTRIAL GASES----------(2813)-+												
	CYCLIC INTERMEDIATES, DYES, ORGANIC + PIGMENTS & CYCLIC CRUDES----------(2815)-+												
	INORGANIC PIGMENTS----------(2816)-+												
	INDUSTRIAL ORGANIC CHEMICALS, + N.E.C.----------(2819)-+												
	INDUSTRIAL INORGANIC CHEMICALS, +												

Table D-1.--U.S. effective tariffs using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION	(PURE SIC)	1965 -NOMINAL-- NO	1965 NI	1965 -EFFECTIVE-- EO	1965 EI	1970 -NOMINAL-- NO	1970 NI	1970 -EFFECTIVE-- EO	1970 EI	PER -NOMINAL-- NO	PER NI	PER -EFFECTIVE-- EO	PER EI
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2711	NEWSPAPERS----------------------------	(2711)----	0.0	0.0	-0.7	-0.7	0.0	0.0	-0.5	-0.5	[illegible]	[illegible]	-0.4	-1.4
2721	PERIODICALS---------------------------	(2721)----	0.2	0.0	-3.2	-3.1	0.0	0.0	-2.6	-2.6	[illegible]	[illegible]	-2.2	-2.2
2731	BOOK PUBLISHING-----------------------	(2731)----	1.8	5.3	4.7	5.3	0.1	0.1	-0.4	-0.4	0.1	0.1	-0.2	-0.2
2732	BOOK PRINTING-------------------------	(2732)----	0.7	0.8	-0.9	[illegible]	0.0	0.0	-1.4	-1.4	[illegible]	[illegible]	-1.?	-1.1
2741	MISCELLANEOUS PUBLISHING--------------	(2741)----	2.8	1.8	2.6	2.7	1.2	1.2	0.3	0.3	[illegible]	[illegible]	0.1	0.1
2753	ENGRAVING & PLATE PRINTING------------	(2753)----	7.9	7.9	12.0	12.1	5.0	5.0	7.3	7.4	5.1	5.1	7.7	7.7
2761	MANIFOLD BUSINESS FORMS---------------	(2761)----	13.7	13.7	34.4	34.9	9.4	9.4	22.8	22.7	7.1	7.1	16.6	15.6
2771	GREETING CARD PUBLISHING--------------	(2771)----	14.0	9.4	24.1	26.0	9.6	9.6	16.0	16.0	7.2	7.2	11.6	11.3
2782	BLANKBOOKS & LOOSELEAF BINDERS--------	(2782)----	14.4	14.4	24.8	25.4	10.1	10.1	17.0	17.3	7.3	7.3	11.4	12.2
2789	BOOKBINDING & RELATED WORK------------	(2789)----	1.1	1.7	-1.1	-1.2	0.5	0.5	-1.4	-1.?	0.4	0.4	-1.2	-1.2
2791	TYPESETTING---------------------------	(2791)----	1.5	1.7	1.5	1.6	1.0	1.0	1.0	1.	[illegible]	0.8	[illegible]	0.8
2793	PHOTOENGRAVING------------------------	(2793)----	9.8	9.8	11.7	11.7	6.7	6.7	7.8	7.?	4.8	4.8	5.6	5.6
2794	ELECTROTYPING & STEREOTYPING----------	(2794)----	9.8	9.8	13.2	13.?	6.7	6.7	8.8	8.8	4.8	4.8	6.1	6.1
2821	PLASTICS MATERIALS & RESINS-----------	(2821)----	20.4	23.6	44.4	45.1	14.1	15.6	27.1	28.5	10.2	[illegible]	14.6	19.2
2822	SYNTHETIC RUBBER----------------------	(2822)----	6.0	9.2	2.7	3.5	4.2	6.5	1.1	1.8	2.8	4.7	-0.9	-0.4
2823	CELLULOSIC MAN-MADE FIBERS------------	(2823)----	21.7	15.3	46.8	47.?	11.6	11.6	[illegible]	22.1	6.7	[illegible]	15.7	15.9
2824	ORGANIC FIBERS, NONCELLULOSIC---------	(2824)----	14.4	14.4	20.2	20.6	15.4	15.4	23.7	24.2	12.1	[illegible]	18.2	18.5
2841	SOAP & OTHER DETERGENTS---------------	(2841)----	7.9	3.3	9.1	9.2	6.2	3.4	7.6	7.6	5.7	2.1	6.0	6.0
2842	POLISHES & SANITATION GOODS-----------	(2842)----	5.4	13.1	5.6	5.9	3.7	9.4	.3	3.6	2.7	6.7	1.7	1.9
2843	SURFACE ACTIVE AGENTS-----------------	(2843)----	16.1	23.6	46.3	46.8	11.0	16.6	[illegible]	29.?	8.1	1?.	19.4	19.5
2844	TOILET PREPARATIONS-------------------	(2844)----	16.0	16.0	58.3	60.1	10.5	10.5	3?.3	34.?	7.7	7.7	22.6	23.5
2851	PAINTS & ALLIED PRODUCTS--------------	(2851)----	7.8	0.0	7.0	7.1	5.7	0.0	6.7	5.1	4.1	0.0	2.9	2.6
2861	GUM & WOOD CHEMICALS------------------	(2861)----	0.9	0.9	-6.2	-3.1	0.8	0.8	-?.7	-1.?	2.5	2.5	7.5	7.1
2871	FERTILIZERS---------------------------	(2871)----	0.0	0.0	-11.6	-11.1	0.0	0.0	-?.2	-8.?	0.0	0.0	-8.0	-7.6
2872	FERTILIZERS, MIXING ONLY--------------	(2872)----	0.0	0.0	-14.0	-13.4	0.0	0.0	-11.2	-10.?	0.0	0.0	-9.5	-9.0
2879	AGRICULTURAL CHEMICALS, N.E.C.--------	(2879)----	17.3	17.3	41.0	42.2	13.2	13.2	3?.1	31.1	9.1	9.1	17.?	1?.3
2891	ADHESIVES & GELATIN-------------------	(2891)----	14.4	10.9	37.5	37.6	9.7	7.6	27.0	23.?	7.?	5.4	14.?	14.7
2892	EXPLOSIVES----------------------------	(2892)----	3.6	3.4	0.9	1.2	1.8	4.6	-1.2	-0.?	[illegible]	[illegible]	13.5	13.?
2893	PRINTING INK--------------------------	(2893)----	2.7	2.7	-2.6	-1.6	1.9	1.9	-?.?	-1.?	1.4	1.4	-2.3	-1.?
2895	CARBON BLACK--------------------------	(2895)----	6.8	6.8	10.4	10.4	1.9	1.9	1.2	1.?	0.0	0.0	-2.4	-2.7
2899	CHEMICAL PREPARATIONS, N.E.C.---------	(2899)----	7.2	4.6	9.5	9.8	4.6	2.9	5.0	5.?	4.2	?.1	4.?	5.1
2901	BIOLOGICAL PRODUCTS-------------------	(2831)-+												
	MEDICINAL CHEMICALS & BOTANICAL PRODUCTS-------------------------	+ (2833)-+												
	PHARMACEUTICAL PREPARATIONS-----------	(2834)----	13.3	21.4	20.2	20.5	8.9	14.8	13.0	13.1	6.?	10.9	[illegible]	9.3
2951	PAVING MIXTURES & BLOCKS--------------	(2951)----	0.0	0.0	-2.6	-2.9	0.0	0.0	-2.5	-2.7	0.0	0.0	-3.?	-4.7
2952	ASPHALT FELTS & COATINGS--------------	(2952)----	4.7	4.7	8.2	8.1	1.9	1.9	2.2	2.2	0.0	0.0	-4.4	-5.2
3011	TIRES & INNER TUBES-------------------	(3011)----	9.0	11.3	13.3	13.5	5.4	5.4	5.0	5.0	[illegible]	[illegible]	[illegible]	3.4
3021	RUBBER FOOTWEAR-----------------------	(3021)----	15.3	16.0	19.8	19.9	13.5	13.5	17.4	17.5	12.?	12.0	15.?	15.8
3031	RECLAIMED RUBBER----------------------	(3031)----	0.0	0.0	-5.3	-4.6	0.0	0.0	-?.7	-3.5	0.0	0.0	-?.?	-2.8
3069	FABRICATED RUBBER PRODUCTS, N.E.C.----	(3069)----	10.1	10.1	12.9	13.0	6.6	6.6	7.4	7.4	4.8	4.?	5.?	4.?
3079	MISCELLANEOUS PLASTICS PRODUCTS-------	(3079)----	14.7	16.2	15.7	14.8	9.8	6.9	?.7	10.4	7.?	[illegible]	7.?	7.5
3101	PETROLEUM REFINING--------------------	(2911)-+												
	LUBRICATING OILS & GREASES------------	(2992)-+												
	PRODUCTS OF PETROLEUM & COAL, N.E.C.------------------------------	+ (2999)----	2.0	1.9	0.1	0.1	2.3	2.3	1.6	1.6	4.0	[illegible]	8.1	7.7
3111	LEATHER TANNING & FINISHING-----------	(3111)----	9.5	9.9	17.6	17.0	7.2	7.2	13.1	12.4	5.5	5.?	8.1	7.6
3121	INDUSTRIAL LEATHER BELTING------------	(3121)----	9.6	9.6	11.6	11.8	6.5	6.5	7.3	7.6	4.6	4.6	4.7	5.0
3131	FOOTWEAR CUT STOCK--------------------	(3131)----	9.3	9.3	10.2	11.0	6.2	6.2	?.3	6.3	4.5	4.5	2.?	3.9
3141	SHOES, EXCEPT RUBBER------------------	(3141)----	12.0	9.2	16.1	16.1	11.3	11.3	17.4	17.6	9.1	9.1	14.1	14.2
3142	HOUSE SLIPPERS------------------------	(3142)----	12.6	12.6	16.0	16.0	8.7	8.7	8.6	8.6	6.4	6.4	4.9	5.0
3151	LEATHER GLOVES & MITTENS--------------	(3151)----	20.5	22.2	65.1	63.5	19.4	19.4	67.9	68.1	22.7	22.7	107.?	1?3.4
3161	LUGGAGE-------------------------------	(3161)----	21.8	23.2	38.6	43.?	16.4	16.4	27.5	31.5	14.9	1?.?	25.?	29.5
3171	WOMEN'S HANDBAGS & PURSES-------------	(3171)----	19.1	19.2	33.8	38.7	16.4	16.4	3?.5	34.0	14.6	14.?	28.1	31.0
3172	PERSONAL LEATHER GOODS----------------	(3172)----	12.6	9.9	15.4	17.0	9.9	9.9	1?.?	13.2	9.1	?.1	1?.4	13.2
3199	LEATHER GOODS, N.E.C.-----------------	(3199)----	10.7	10.7	16.2	16.6	7.0	7.0	5.9	10.2	5.1	?.1	6.?	7.1
3221	GLASS CONTAINERS----------------------	(3221)----	11.8	11.8	16.8	16.9	8.4	8.4	11.7	11.9	[illegible]	[illegible]	[illegible]	8.1
3241	CEMENT, HYDRAULIC---------------------	(3241)----	3.3	3.3	5.2	5.2	1.2	1.2	1.6	1.6	0.0	0.0	-0.4	-0.4
3251	BRICK & STRUCTURAL CLAY TILE----------	(3251)----	36.2	36.2	74.6	74.5	2.0	2.0	?.7	2.7	1.2	1.2	1.5	1.4
3253	CERAMIC WALL & FLOOR TILE-------------	(3253)----	20.1	20.1	32.4	32.5	20.4	20.4	34.5	34.6	20.6	20.?	[illegible]	35.7
3255	CLAY REFRACTORIES---------------------	(3255)----	8.4	12.9	13.9	13.8	5.5	5.8	8.5	8.8	4.0	[illegible]	6.?	6.1
3259	STRUCTURAL CLAY PRODUCTS, N.E.C.------	(3259)----	12.9	12.9	19.1	19.2	8.8	8.8	12.6	11.5	6.6	[illegible]	[illegible]	9.5
3261	VITREOUS PLUMBING FIXTURES------------	(3261)----	25.8	25.8	41.0	41.3	17.6	17.6	26.?	27.2	13.2	13.2	19.7	19.9
3262	VITREOUS CHINA FOOD UTENSILS----------	(3262)----	42.5	45.0	70.9	70.9	38.4	38.4	63.?	64.?	35.9	35.?	[illegible]	59.3
3263	FINE EARTHENWARE FOOD UTENSILS--------	(3263)----	23.1	27.2	38.9	39.0	16.1	16.1	26.2	26.3	12.2	12.?	19.?	19.3
3264	PORCELAIN ELECTRICAL SUPPLIES---------	(3264)----	16.0	16.8	23.6	23.6	13.9	13.9	19.6	18.7	11.3	11.3	15.4	15.4
3269	POTTERY PRODUCTS, N.E.C.--------------	(3269)----	24.8	24.8	39.9	39.?	17.9	17.9	27.3	23.7	13.2	13.?	19.?	20.0
3271	CONCRETE BLOCK & BRICK----------------	(3271)----	14.1	14.1	32.1	32.1	9.2	9.2	20.8	20.8	6.9	6.?	15.?	15.2
3272	CONCRETE PRODUCTS, N.E.C.-------------	(3272)----	16.1	16.1	30.7	30.7	13.0	13.0	20.7	24.7	11.5	11.5	21.?	21.9
3273	READY-MIXED CONCRETE------------------	(3273)----	8.9	4.6	21.3	21.1	5.2	1.8	12.3	12.2	3.2	?.0	7.7	7.6
3274	LIME----------------------------------	(3274)----	6.5	6.5	11.1	11.1	3.8	3.8	6.2	6.3	2.2	2.2	3.4	3.4
3275	GYPSUM PRODUCTS-----------------------	(3275)----	11.1	11.1	17.9	17.7	7.6	99.9	1?.9	12.8	5.5	[illegible]	9.0	9.0
3281	CUT STONE & STONE PRODUCTS------------	(3281)----	12.9	9.8	23.8	23.9	8.7	6.5	15.?	15.4	6.3	?.4	1?.7	9.5
3291	ABRASIVE PRODUCTS---------------------	(3291)----	1.6	0.3	-0.5	0.0	1.1	0.2	-0.9	-0.5	0.8	0.2	-0.?	-0.7
3292	ASBESTOS PRODUCTS---------------------	(3292)----	5.7	7.4	3.7	3.5	3.6	5.1	2.0	2.3	2.8	3.7	1.?	1.5
3293	GASKETS & INSULATIONS-----------------	(3293)----	6.3	6.3	7.2	6.8	4.2	4.2	4.6	4.4	3.0	3.0	3.2	3.0
3295	MINERALS, GROUND OR TREATED-----------	(3295)----	11.2	11.2	38.7	37.9	3.4	3.4	3.1	3.2	4.9	4.9	11.1	11.3
3296	MINERAL WOOL--------------------------	(3296)----	16.2	13.9	24.3	24.1	13.1	9.2	20.9	21.5	9.6	6.9	15.0	15.4
3297	NONCLAY REFRACTORIES------------------	(3297)----	9.0	12.9	15.7	15.0	5.8	8.8	10.2	9.8	4.3	6.6	7.5	7.2
3299	NONMETALLIC MINERAL PRODUCTS, N.E.C.--------------------------------	(3299)----	12.5	4.6	19.1	23.5	8.7	3.1	13.?	-6.0	6.4	2.2	9.4	14.7
3312	BLAST FURNACES & STEEL MILLS----------	(3312)----	6.6	7.6	10.9	10.1	6.3	6.4	10.?	10.6	6.2	6.2	10.9	10.7
3313	ELECTROMETALLURGICAL PRODUCTS---------	(3313)----	7.1	7.1	13.5	12.8	5.8	5.8	11.?	11.3	4.5	4.5	9.2	8.3
3315	STEEL WIRE & RELATED PRODUCTS---------	(3315)----	3.0	7.1	-0.8	-1.6	1.9	1.9	-2.?	-2.6	1.6	1.8	-2.6	-2.5
3316	COLD FINISHING OF STEEL SHAPES--------	(3316)----	9.6	9.6	20.7	18.6	8.5	8.5	17.2	17.6	7.9	7.9	15.1	15.7
3317	STEEL PIPE & TUBES--------------------	(3317)----	5.4	5.6	4.7	3.5	5.1	5.1	4.4	4.6	5.1	5.1	4.7	5.0
3331	PRIMARY COPPER------------------------	(3331)----	1.8	4.1	2.7	0.4	0.0	0.0	-0.4	-0.4	1.4	1.4	1.?	1.4
3332	PRIMARY LEAD--------------------------	(3332)----	6.9	0.3	18.4	38.6	6.5	6.6	19.0	17.7	6.6	6.7	18.?	18.2
3333	PRIMARY ZINC--------------------------	(3333)----	5.0	5.0	10.9	10.?	4.7	4.7	10.?	10.2	5.1	5.1	11.6	11.5
3334	PRIMARY ALUMINUM----------------------	(3334)----	5.5	5.7	9.2	9.1	3.9	3.9	[illegible]	[illegible]	[illegible]	4.1	6.7	[illegible]
3339	PRIMARY NONFERROUS METALS, N.E.C.-----	(3339)----	1.1	0.9	-0.7	-1.0	0.4	0.4	-1.6	-?.7	[illegible]	[illegible]	-1.?	-1.6
3341	SECONDARY NONFERROUS METALS-----------	(3341)----	1.3	1.2	-1.2	-3.3	0.7	0.7	-1.7	-4.6	?.7	?.7	-1.?	-3.1
3351	COPPER ROLLING & DRAWING--------------	(3351)----	5.5	5.5	18.1	11.7	3.2	3.2	11.?	10.9	?.7	?.7	6.6	6.1
3352	ALUMINUM ROLLING & DRAWING------------	(3352)----	10.5	10.5	24.4	23.8	8.0	8.0	16.?	16.6	7.1	7.1	15.3	15.2
3356	NONFERROUS ROLLING & DRAWING, N.E.C.------------------------------	(3356)----	[illegible]	[illegible]	?.6	2.2	2.?	[illegible]	[illegible]	[illegible]	2.2	2.?	2.0	2.1

Table D-1.--U.S. effective tariffs using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 NOMINAL NO	1965 NOMINAL NI	1965 EFFECTIVE EO	1965 EFFECTIVE EI	1970 NOMINAL NO	1970 NOMINAL NI	1970 EFFECTIVE EO	1970 EFFECTIVE EI	PKR NOMINAL NO	PKR NOMINAL NI	PKR EFFECTIVE EO	PKR EFFECTIVE EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
3361	ALUMINUM CASTINGS------------------(3361)----	16.6	5.2	44.4	44.3	12.2	2.8	31.4	31.6	9.4	1.9	21.5	21.4
3362	BRASS, BRONZE, & COPPER CASTINGS----(3362)----	10.4	14.1	25.3	22.4	7.6	7.6	19.3	18.5	5.5	5.5	11.6	11.4
3369	NONFERROUS CASTINGS, N.E.C.---------(3369)----	12.6	10.5	25.4	25.6	8.4	8.4	15.5	15.5	6.7	6.7	11.1	11.1
3391	IRON & STEEL FORGINGS----------------(3391)----	4.5	2.2	3.4	2.8	2.7	1.3	-0.1	0.1	8.0	7.1	3.1	3.2
3392	NONFERROUS FORGINGS------------------(3392)----	4.7	4.7	2.0	2.6	1.5	1.5	-3.7	-3.6	2.4	2.4	-0.4	-0.4
3399	PRIMARY METAL PRODUCTS, N.E.C.-------(3399)----	3.2	3.5	2.7	2.6	1.7	1.7	0.9	1.1	1.6	1.6	0.5	[illegible]
3411	METAL CANS----------------------------(3411)----	10.3	10.3	20.1	19.6	7.0	7.0	10.6	11.2	[illegible]	5.3	6.0	5.6
3421	CUTLERY-------------------------------(3421)----	26.9	26.9	71.1	72.0	21.2	21.2	53.4	54.0	17.9	17.8	43.4	43.[illegible]
3423	HAND & EDGE TOOLS, N.E.C.------------(3423)----	15.7	15.7	22.9	23.1	10.0	10.0	13.7	13.8	7.3	7.3	[illegible]	9.4
3425	HAND SAWS & SAW BLADES---------------(3425)----	8.2	8.2	11.2	11.1	5.7	5.7	7.3	7.2	4.1	4.1	4.4	4.6
3429	HARDWARE, N.E.C.---------------------(3429)----	12.7	11.5	18.8	18.9	7.5	7.5	9.7	9.9	[illegible]	[illegible]	5.7	5.4
3431	METAL SANITARY WARE------------------(3431)----	19.7	19.7	40.4	40.0	13.5	13.5	25.7	25.7	10.0	10.0	17.6	17.7
3432	PLUMBING FITTINGS & BRASS GOODS------(3432)----	15.2	15.2	45.9	43.8	10.6	10.6	30.2	30.1	7.5	7.5	17.7	15.5
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC---(3433)----	11.7	11.7	18.5	18.8	8.1	8.1	12.2	12.2	5.8	5.	7.6	7.1
3441	FABRICATED STRUCTURAL STEEL---------(3441)----	8.4	7.3	12.6	12.1	6.0	6.6	7.2	7.5	[illegible]	6.4	6.0	[illegible]
3442	METAL DOORS, SASH, & TRIM-----------(3442)----	14.5	14.5	25.7	27.4	10.2	10.2	17.0	18.1	7.	7.5	11.9	13.[illegible]
3443	FABRICATED PLATE WORK (BOILER SHOPS)--------------------------(3443)----	12.4	12.4	24.8	24.1	8.7	8.7	15.4	15.5	6.4	6.4	9.5	9.7
3444	SHEET METALWORK----------------------(3444)----	9.2	9.2	13.4	13.3	5.5	5.5	6.1	6.4	4.5	4.5	4.3	4.[illegible]
3446	ARCHITECTURAL METALWORK--------------(3446)----	9.2	9.2	12.3	12.5	5.5	5.5	6.6	6.3	[illegible]	4.5	4.5	4.7
3449	MISCELLANEOUS METALWORK--------------(3449)----	9.2	9.2	14.9	14.3	5.5	5.5	5.9	6.1	4.5	4.5	3.7	4.0
3461	METAL STAMPINGS----------------------(3461)----	4.6	5.3	2.5	2.3	4.8	4.8	4.2	4.5	2.6	2.6	2.2	2.4
3471	PLATING & POLISHING------------------(3471)----	8.2	7.3	11.6	12.0	8.0	8.0	11.9	12.2	[illegible]	[illegible]	12.[illegible]	12.4
3479	METAL COATING & ALLIED SERVICES-----(3479)----	8.2	7.3	10.8	13.2	8.0	8.0	12.0	13.6	[illegible]	[illegible]	12.9	14.2
3481	MISCELLANEOUS FABRICATED WIRE PRODUCTS------------------------------(3481)----	9.9	9.4	16.4	15.9	6.6	6.6	8.5	9.1	5.8	[illegible]	5.5	5.6
3491	METAL BARRELS, DRUMS, & PAILS-------(3491)----	10.3	10.3	21.3	21.7	7.0	7.0	11.1	12.5	5.3	[illegible]	6.6	7.[illegible]
3492	SAFES & VAULTS-----------------------(3492)----	17.5	17.5	33.0	33.3	12.3	12.3	22.9	23.2	9.0	[illegible]	15.7	15.6
3493	STEEL SPRINGS------------------------(3493)----	8.1	8.3	11.3	10.6	1.3	1.3	-3.1	-3.0	0.9	0.[illegible]	-3.7	-3.[illegible]
3496	COLLAPSIBLE TUBES--------------------(3496)----	11.1	11.1	16.3	22.0	7.5	7.5	10.3	12.6	5.7	5.7	7.1	[illegible]
3497	METAL FOIL & LEAF--------------------(3497)----	8.4	22.4	7.8	8.0	3.6	3.6	-1.6	-1.2	2.7	2.7	-2.1	-1.[illegible]
3499	FABRICATED METAL PRODUCTS, N.E.C.---(3499)----	13.9	15.2	22.7	22.6	10.3	11.0	16.0	16.2	7.3	7.4	11.5	11.[illegible]
3501	FLAT GLASS---------------------------(3211)-+ PRESSED & BLOWN GLASS & GLASSWARE, N.E.C.-----------(3229)-+ GLASS PRODUCTS, MADE OF PURCHASED GLASS------------------------------(3231)----	20.9	12.1	32.9	35.2	14.2	8.5	21.5	22.6	10.[illegible]	6.2	16.1	17.2
3511	STEAM ENGINES & TURBINES------------(3511)----	11.3	11.3	16.5	16.5	9.3	9.3	10.1	13.8	7.1	7.1	10.1	9.1
3519	INTERNAL COMBUSTION ENGINES, N.E.C.------------------------------(3519)----	6.6	6.6	6.4	6.8	4.5	4.5	4.1	4.0	[illegible]	3.3	2.5	2.0
3522	FARM MACHINERY-----------------------(3522)----	0.1	0.1	-9.3	-9.3	0.0	0.0	-7.2	-7.4	0.0	0.0	-6.2	-6.[illegible]
3531	CONSTRUCTION MACHINERY---------------(3531)----	9.6	9.6	14.3	14.2	6.6	6.6	9.2	8.7	4.8	4.2	5.8	4.[illegible]
3532	MINING MACHINERY---------------------(3532)----	9.8	10.0	12.3	12.2	6.4	6.8	8.0	7.[illegible]	[illegible]	4.9	5.1	[illegible]
3533	OIL FIELD MACHINERY------------------(3533)----	10.0	27.7	13.0	10.6	7.1	7.1	8.8	8.[illegible]	[illegible]	[illegible]	5.5	[illegible]
3534	ELEVATORS & MOVING STAIRWAYS--------(3534)----	10.0	10.0	13.7	14.1	6.0	6.0	8.8	8.5	[illegible]	[illegible]	5.[illegible]	[illegible]
3535	CONVEYERS & CONVEYING EQUIPMENT-----(3535)----	10.1	10.1	13.4	13.7	6.8	6.8	8.4	8.3	4.4	4.8	5.1	4.[illegible]
3536	HOISTS, CRANES, & MONORAILS---------(3536)----	9.6	0.0	13.7	14.6	6.5	6.5	7.9	7.7	4.7	4.7	4.8	4.5
3537	INDUSTRIAL TRUCKS & TRACTORS--------(3537)----	7.6	7.6	9.7	9.5	6.6	6.6	9.6	9.3	4.5	4.5	5.4	[illegible]
3541	MACHINE TOOLS, METAL CUTTING TYPES--(3541)----	14.4	14.4	23.5	24.0	9.3	9.3	13.5	13.9	6.9	[illegible]	9.5	[illegible]
3542	MACHINE TOOLS, METAL FORMING TYPES--(3542)----	13.4	13.4	21.5	21.2	9.6	9.6	14.6	14.2	7.2	7.[illegible]	10.4	9.[illegible]
3548	METALWORKING MACHINERY, N.E.C.------(3548)----	12.4	12.4	18.0	18.6	8.4	8.4	11.2	11.3	6.1	6.1	7.7	7.[illegible]
3551	FOOD PRODUCTS MACHINERY-------------(3551)----	11.5	11.5	16.0	16.0	7.9	7.9	10.5	10.4	5.5	5.5	6.7	[illegible]
3552	TEXTILE MACHINERY--------------------(3552)----	13.1	13.1	21.5	21.9	9.2	9.2	14.5	14.1	4.9	4.9	5.9	5.9
3553	WOODWORKING MACHINERY----------------(3553)----	10.2	10.2	14.4	14.9	6.6	6.6	8.5	8.5	4.8	4.3	5.6	5.[illegible]
3554	PAPER INDUSTRIES MACHINERY----------(3554)----	8.8	8.8	11.4	11.3	6.0	6.0	7.2	6.8	4.4	4.4	4.8	4.[illegible]
3555	PRINTING TRADES MACHINERY-----------(3555)----	10.4	10.4	13.8	14.0	7.3	7.3	9.3	9.0	5.0	5.0	5.8	5.4
3559	SPECIAL INDUSTRY MACHINERY, N.E.C.--(3559)----	8.7	8.7	11.4	11.3	5.8	5.8	6.8	6.6	4.4	4.4	4.7	4.6
3561	PUMPS & COMPRESSORS------------------(3561)----	8.9	8.9	10.8	10.8	6.3	6.3	7.4	6.9	4.5	4.5	4.5	4.1
3562	BALL & ROLLER BEARINGS--------------(3562)----	14.0	7.2	21.2	23.0	10.1	10.1	14.5	14.4	7.4	7.4	9.3	9.[illegible]
3564	BLOWERS & FANS-----------------------(3564)----	8.1	8.1	8.9	9.2	5.6	5.6	5.6	5.6	4.1	4.1	3.6	3.6
3565	INDUSTRIAL PATTERNS------------------(3565)----	10.2	10.2	11.9	12.3	6.5	6.5	7.3	7.7	5.3	5.3	6.7	6.[illegible]
3566	POWER TRANSMISSION EQUIPMENT--------(3566)----	13.0	13.0	19.7	19.9	8.1	8.1	11.3	11.6	6.5	6.5	8.8	[illegible]
3567	INDUSTRIAL FURNACES & OVENS---------(3567)----	12.3	12.3	18.2	17.9	8.1	8.1	11.2	10.9	6.0	6.0	7.7	7.[illegible]
3569	GENERAL INDUSTRIAL MACHINERY, N.E.C.------------------------------(3569)----	10.2	10.4	13.0	13.2	7.0	7.0	8.6	8.5	4.9	4.9	5.4	5.[illegible]
3571	ELECTRONIC COMPUTING EQUIPMENT------(3573)-+ CALCULATING & ACCOUNTING MACHINES, + EXCEPT ELECTRONIC COMPUTING + EQUIPMENT-----------------------------(3574)----	10.9	10.7	12.8	13.0	7.1	7.1	8.0	8.1	5.9	5.0	5.5	5.[illegible]
3572	TYPEWRITERS--------------------------(3572)----	1.4	1.4	-0.8	-0.3	1.0	1.0	-0.7	-0.3	0.7	0.7	-0.7	-0.[illegible]
3576	SCALES & BALANCES--------------------(3576)----	14.3	14.3	21.9	23.2	10.0	10.0	14.2	15.0	7.2	7.2	4.3	4.[illegible]
3579	OFFICE MACHINES, N.E.C.--------------(3579)----	10.5	10.5	14.3	14.7	7.2	7.2	9.3	9.6	[illegible]	5.3	6.5	5.7
3581	AUTOMATIC MERCHANDISING MACHINES----(3581)----	11.1	11.1	16.7	17.6	7.7	7.7	10.7	11.3	5.3	5.3	6.4	6.3
3582	COMMERCIAL LAUNDRY EQUIPMENT--------(3582)----	12.1	11.1	17.2	19.3	9.3	9.3	13.5	15.2	6.6	6.6	8.3	9.3
3585	REFRIGERATION MACHINERY-------------(3585)----	7.7	7.7	8.3	8.3	5.1	5.1	4.4	4.5	3.7	3.7	2.5	2.[illegible]
3586	MEASURING & DISPENSING PUMPS--------(3586)----	9.5	9.5	18.3	20.1	6.8	6.8	13.6	14.3	4.8	4.8	6.2	6.[illegible]
3589	SERVICE INDUSTRY MACHINES, N.E.C.---(3589)----	11.2	11.5	14.8	15.0	7.5	7.5	9.1	9.4	5.5	5.5	6.1	6.4
3599	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL---------------------------(3599)----	6.1	6.1	6.2	6.2	3.4	3.4	2.6	2.5	3.8	3.8	3.8	3.7
3611	ELECTRIC MEASURING INSTRUMENTS------(3611)----	11.6	22.3	14.7	14.7	9.7	9.7	12.9	13.1	9.2	9.2	13.1	13.[illegible]
3612	TRANSFORMERS-------------------------(3612)----	11.8	9.9	17.2	16.5	9.1	9.1	13.2	14.3	7.4	7.4	10.5	11.2
3613	SWITCHGEAR & SWITCHBOARD APPARATUS--(3613)----	15.5	15.5	25.3	25.4	11.5	11.5	17.5	18.1	8.2	8.2	11.9	12.2
3621	MOTORS & GENERATORS------------------(3621)----	11.1	11.1	14.1	15.0	8.4	8.4	10.7	11.2	6.8	6.8	8.6	[illegible]
3622	INDUSTRIAL CONTROLS------------------(3622)----	7.2	7.2	7.1	7.3	7.7	7.7	8.6	9.0	5.8	5.8	6.5	6.[illegible]
3623	WELDING APPARATUS--------------------(3623)----	8.4	8.4	10.3	10.5	5.4	5.4	5.5	5.6	4.0	4.0	3.6	[illegible]
3624	CARBON & GRAPHITE PRODUCTS----------(3624)----	7.1	7.1	7.6	7.7	4.7	4.7	4.0	4.5	3.4	3.4	2.6	2.[illegible]
3629	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.------------------------------(3629)----	11.8	11.8	15.0	16.0	9.3	9.3	12.3	13.1	7.4	7.4	9.9	10.3
3631	HOUSEHOLD COOKING EQUIPMENT---------(3631)----	14.2	14.2	24.9	25.7	9.6	9.6	15.2	15.9	7.1	7.1	10.1	10.7
3632	HOUSEHOLD REFRIGERATORS & FREEZERS----------------------------(3632)----	10.1	0.0	13.9	15.1	6.6	6.6	8.2	9.1	4.8	4.9	4.8	5.[illegible]
3633	HOUSEHOLD LAUNDRY EQUIPMENT---------(3633)----	13.5	0.0	25.2	26.8	9.2	9.2	15.5	16.1	6.8	6.8	10.0	10.[illegible]
3634	ELECTRIC HOUSEWARES & FANS----------(3634)----	13.3	13.3	27.0	29.4	9.2	9.2	17.1	18.6	6.3	6.3	9.9	10.[illegible]
3635	HOUSEHOLD VACUUM CLEANERS-----------(3635)----	13.3	13.2	19.8	20.2	9.2	9.2	13.2	13.5	6.3	6.3	8.2	[illegible]
3636	SEWING MACHINES----------------------(3636)----	9.6	9.6	13.5	13.5	6.7	6.7	9.1	9.1	4.8	4.8	6.2	[illegible]
3639	HOUSEHOLD APPLIANCES, N.E.C.--------(3639)----	11.4	11.6	17.2	17.6	7.9	7.9	11.0	11.4	5.6	5.6	6.7	7.0
3641	ELECTRIC LAMPS-----------------------(3641)----	8.1	8.1	7.2	8.2	6.7	6.7	5.8	6.4	5.8	5.8	5.2	5.7

Table D-1.--U.S. effective tariffs using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 NOMINAL NO	1965 NOMINAL NI	1965 EFFECTIVE EO	1965 EFFECTIVE EI	1970 NOMINAL NO	1970 NOMINAL NI	1970 EFFECTIVE EO	1970 EFFECTIVE EI	PWR NOMINAL NO	PWR NOMINAL NI	PWR EFFECTIVE EO	PWR EFFECTIVE EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
3642	LIGHTING FIXTURES----------------------(3642)----	15.1	10.4	27.5	30.9	13.5	13.5	27.4	29.3	12.5	12.5	26.6	28.3
3651	RADIO & TELEVISION RECEIVING SETS---(3651)----	11.8	14.0	16.9	17.0	8.3	8.3	11.5	11.[illegible]	6.6	6.6	9.3	9.9
3652	PHONOGRAPH RECORDS----------------------(3652)----	4.5	6.5	10.1	9.2	6.1	6.1	7.3	7.5	4.3	4.3	4.6	4.9
3661	TELEPHONE & TELEGRAPH APPARATUS-----(3661)----	16.2	16.2	21.3	21.4	10.5	10.5	13.5	13.6	6.1	6.1	[illegible]	10.3
3662	RADIO & TELEVISION COMMUNICATION EQUIPMENT--------------------------(3662)----	4.4	4.4	1.8	1.7	6.0	6.0	6.0	6.1	5.7	5.7	6.6	6.4
3674	SEMICONDUCTORS-------------------------(3674)----	12.4	12.4	18.0	18.3	8.3	8.3	11.4	11.7	6.9	6.9	7.7	7.9
3679	ELECTRONIC COMPONENTS, N.E.C.--------(3679)----	11.8	11.8	16.5	17.1	7.8	7.8	10.3	10.8	6.1	6.1	7.9	8.3
3691	STORAGE BATTERIES---------------------(3691)----	14.1	14.1	24.9	29.7	8.0	8.0	11.5	11.6	7.3	7.3	10.7	10.8
3692	PRIMARY BATTERIES, DRY & WET----------(3692)----	16.8	16.8	23.2	23.3	11.6	11.6	15.6	15.7	6.2	6.2	10.7	11.0
3693	X-RAY APPARATUS & TUBES---------------(3693)----	5.3	5.3	4.2	4.6	3.4	3.4	2.4	2.4	2.4	2.4	1.3	1.4
3694	ENGINE ELECTRICAL EQUIPMENT-----------(3694)----	5.2	5.2	2.8	3.3	3.3	3.3	1.1	1.7	2.5	2.5	0.[illegible]	0.7
3699	ELECTRICAL EQUIPMENT, N.E.C.----------(3699)----	9.7	9.7	11.5	12.5	10.7	10.7	18.3	18.9	9.6	9.6	17.[illegible]	17.8
3702	GRAY IRON FOUNDRIES-------------------(3321)-+ MALLEABLE IRON FOUNDRIES--------------(3322)-+ STEEL FOUNDRIES-----------------------(3323)----	5.8	9.2	7.1	6.7	4.5	9.4	5.5	5.2	5.6	9.4	[illegible]	5.9
3713	TRUCK & BUS BODIES--------------------(3713)----	0.2	0.2	-7.5	-7.0	0.1	0.1	-6.0	-5.5	0.1	0.1	-5.1	-4.7
3715	TRUCK TRAILERS------------------------(3715)----	5.9	5.9	4.9	5.0	7.9	7.9	13.7	14.2	6.0	6.0	15.4	15.8
3717	MOTOR VEHICLES------------------------(3711)-+ MOTOR VEHICLE PARTS & ACCESSORIES---(3714)----	5.4	5.2	3.3	4.4	2.0	2.0	-1.9	-1.4	1.4	1.4	-2.1	-1.4
3721	AIRCRAFT------------------------------(3721)----	9.6	9.6	14.9	15.1	6.4	6.4	8.7	8.8	5.0	5.0	5.5	5.6
3722	AIRCRAFT ENGINES & ENGINE PARTS-----(3722)----	7.9	7.9	10.8	11.2	5.3	5.3	7.1	7.2	4.8	4.8	6.3	6.2
3723	AIRCRAFT PROPELLERS & PARTS----------(3723)----	2.3	2.3	-2.6	-0.6	2.9	2.9	0.5	2.3	5.0	5.0	5.4	6.3
3729	AIRCRAFT EQUIPMENT, N.E.C.-----------(3729)----	2.3	2.3	0.0	0.2	2.9	2.9	1.9	2.0	1.9	[illegible]	[illegible]	[illegible]
3731	SHIPBUILDING & REPAIRING-------------(3731)----	6.2	8.2	8.6	8.6	5.8	5.8	5.8	5.9	4.3	4.3	3.7	3.9
3732	BOATBUILDING & REPAIRING-------------(3732)----	8.0	8.0	7.6	9.6	5.7	5.7	6.6	6.4	4.2	4.2	2.9	4.3
3741	LOCOMOTIVES & PARTS------------------(3741)----	24.7	24.7	54.1	54.4	17.5	17.5	35.9	35.5	12.6	12.6	24.5	23.7
3742	RAILROAD & STREET CARS---------------(3742)----	14.4	14.4	32.9	31.9	12.8	12.8	30.0	28.2	11.5	11.5	26.1	24.3
3751	MOTORCYCLES, BICYCLES, & PARTS------(3751)----	11.3	11.3	21.9	21.5	8.1	8.1	15.3	15.4	5.8	5.8	9.4	9.3
3791	TRAILER COACHES-----------------------(3791)----	5.9	5.9	-1.6	1.2	7.9	7.9	10.5	13.7	6.0	6.1	14.7	15.0
3799	TRANSPORTATION EQUIPMENT, N.E.C.----(3799)----	3.1	5.2	-1.5	-3.9	0.6	0.6	-6.3	-6.3	0.5	0.5	-5.6	-5.7
3811	ENGINEERING & SCIENTIFIC INSTRUMENTS--------------------------(3811)----	15.0	15.6	22.4	22.1	6.8	6.8	8.8	8.1	7.4	7.4	10.1	10.2
3821	MECHANICAL MEASURING DEVICES---------(3821)----	16.2	15.8	31.2	31.7	11.1	11.1	17.4	17.7	9.4	9.4	12.9	13.0
3822	AUTOMATIC TEMPERATURE CONTROLS------(3822)----	14.0	14.0	20.8	21.4	9.4	9.4	13.4	13.7	7.0	7.0	9.6	9.9
3831	OPTICAL INSTRUMENTS & LENSES---------(3831)----	25.3	25.3	42.1	43.6	18.0	18.0	29.0	29.8	14.8	14.8	23.[illegible]	24.1
3841	SURGICAL & MEDICAL INSTRUMENTS------(3841)----	24.5	24.5	49.5	50.8	17.2	17.2	32.3	33.3	12.5	12.5	22.1	22.6
3842	SURGICAL APPLIANCES & SUPPLIES------(3842)----	12.3	12.3	16.4	14.8	8.4	8.4	10.1	9.5	6.1	6.1	6.5	6.2
3843	DENTAL EQUIPMENT & SUPPLIES---------(3843)----	14.0	14.0	23.4	23.6	9.8	9.8	15.7	15.7	7.2	7.2	11.0	11.3
3851	OPHTHALMIC GOODS---------------------(3851)----	16.6	16.2	26.2	27.2	14.7	14.7	24.1	24.9	13.7	13.7	23.0	23.6
3861	PHOTOGRAPHIC EQUIPMENT & SUPPLIES---(3861)----	10.8	10.9	13.7	13.9	7.8	7.8	9.8	10.0	5.7	5.7	6.9	7.1
3871	WATCHES & CLOCKS----------------------(3871)----	39.9	39.9	81.4	82.0	25.6	25.6	47.1	47.2	23.[illegible]	23.8	44.9	45.0
3872	WATCHCASES----------------------------(3872)----	43.0	43.0	140.5	143.7	25.8	25.8	64.1	65.2	19.[illegible]	19.[illegible]	45.0	45.7
3911	JEWELRY, PRECIOUS METAL--------------(3911)----	23.8	23.8	58.3	58.8	16.2	16.2	36.4	36.5	11.9	11.9	25.4	25.8
3912	JEWELERS' FINDINGS & MATERIALS------(3912)----	37.7	37.7	168.3	166.4	26.3	26.3	[illegible]	40.1	17.8	17.[illegible]	[illegible]	[illegible]
3913	LAPIDARY WORK--------------------------(3913)----	7.5	7.5	7.0	27.5	5.1	5.1	6.6	17.8	3.7	3.7	12.[illegible]	12.5
3914	SILVERWARE & PLATED WARE-------------(3914)----	[illegible]	17.8	29.3	27.9	11.1	11.1	25.2	26.1	10.2	[illegible]	23.[illegible]	[illegible]
3931	MUSICAL INSTRUMENTS & PARTS---------(3931)----	19.0	20.6	30.2	30.1	13.9	13.9	21.4	21.7	10.5	[illegible]	15.8	[illegible]
3941	GAMES & TOYS--------------------------(3941)----	29.7	29.7	78.1	80.4	20.4	20.4	48.2	50.0	14.9	14.9	33.1	34.2
3942	DOLLS----------------------------------(3942)----	30.7	30.7	59.6	60.1	21.8	21.8	37.4	38.7	16.5	16.5	26.3	27.3
3943	CHILDREN'S VEHICLES, EXCEPT BICYCLES-----------------------------(3943)----	14.4	14.4	30.4	30.2	9.8	9.8	18.6	19.4	7.2	7.2	12.4	13.0
3949	SPORTING & ATHLETIC GOODS, N.E.C.---(3949)----	16.8	17.9	28.8	30.4	12.1	12.1	19.5	21.0	9.5	9.5	14.0	[illegible]
3951	PENS & MECHANICAL PENCILS------------(3951)----	28.9	28.9	48.0	47.4	20.4	20.4	32.5	32.4	14.7	14.7	22.6	22.5
3952	LEAD PENCILS & ART GOODS-------------(3952)----	14.8	14.8	24.9	26.7	10.4	10.4	16.3	17.7	7.8	7.8	11.3	[illegible]
3953	MARKING DEVICES-----------------------(3953)----	18.4	18.4	28.5	28.4	18.4	18.4	30.5	30.8	15.4	15.4	31.9	32.2
3955	CARBON PAPER & INKED RIBBONS--------(3955)----	6.6	6.6	12.7	13.4	4.2	4.2	7.3	7.6	3.1	3.1	5.2	5.3
3961	COSTUME JEWELRY-----------------------(3961)----	31.5	27.7	63.7	70.4	24.3	19.3	66.7	51.4	18.5	13.8	35.7	37.6
3962	FEATHERS, PLUMES & ARTIFICIAL FLOWERS--------------------------(3962)----	23.7	23.7	64.4	59.1	21.0	21.0	65.7	58.3	18.6	18.6	54.2	53.5
3963	BUTTONS-------------------------------(3963)----	15.3	15.3	19.6	18.7	17.4	17.4	25.8	25.9	15.4	15.4	23.[illegible]	23.6
3964	NEEDLES, PINS, & FASTENERS-----------(3964)----	28.4	26.6	54.8	51.6	17.2	17.2	28.9	28.2	13.3	13.3	21.5	21.0
3981	BROOMS & BRUSHES---------------------(3991)----	19.2	19.0	37.2	38.7	13.8	13.8	25.2	27.7	10.2	10.2	19.4	19.6
3982	HARD SURFACE FLOOR COVERINGS--------(3996)----	13.2	13.2	20.2	20.8	8.2	8.2	11.9	12.5	5.9	5.9	8.6	9.0
3983	MATCHES (SIC 3999 IN 1967)----------(3983)----	17.1	17.1	33.1	33.8	9.6	9.6	16.5	17.5	7.0	7.0	11.6	12.4
3984	CANDLES (SIC 3999 IN 1967)----------(3984)----	18.4	18.4	46.6	46.0	12.9	12.9	30.9	29.7	9.2	9.2	18.9	18.0
3987	LAMP SHADES (SIC 3999 IN 1967)------(3987)----	0.0	0.0	-14.4	-13.3	16.7	16.7	30.6	33.3	14.0	14.0	31.4	33.3
3988	MORTICIANS' GOODS--------------------(3994)----	17.3	17.3	29.2	30.3	12.1	12.1	18.6	19.4	8.8	8.8	12.4	13.1
3993	SIGNS & ADVERTISING DISPLAY---------(3993)----	17.5	17.5	31.7	32.3	10.6	10.6	17.0	17.7	7.8	7.8	11.9	12.5
3995	UMBRELLAS, PARASOLS & CANES (SIC 3999 IN 1967)------------------------(3995)----	18.5	18.5	98.8	102.7	18.4	18.4	98.4	104.1	13.3	13.3	111.3	119.2
3999	MANUFACTURES, N.E.C.-----------------(3999)----	15.1	9.2	22.2	24.4	9.7	6.5	13.4	14.6	7.1	5.0	9.4	10.2
4101	SCREW MACHINE PRODUCTS---------------(3451)-+ BOLTS, NUTS, SCREWS, RIVETS, & + WASHERS-------------------------------(3452)----	7.7	7.6	9.7	9.4	5.4	5.4	6.1	6.1	4.1	4.1	4.0	4.0
4208	VALVES & PIPE FITTINGS---------------(3494)-+ FABRICATED PIPE & FABRICATED PIPE + FITTINGS------------------------------(3498)----	14.1	13.3	25.1	24.2	9.2	9.3	15.2	14.7	6.1	6.3	13.4	12.8
4703	SPECIAL DIES & TOOLS, DIE SETS------(3544)-+ MACHINE TOOL ACCESSORIES & + MEASURING DEVICES--------------------(3545)----	13.6	13.2	18.7	18.8	10.8	10.8	14.6	14.7	7.6	7.8	10.3	10.1
5503	CURRENT-CARRYING WIRING DEVICES-----(3643)-+ NONCURRENT-CARRYING WIRING DEVICES--(3644)----	15.0	15.0	26.0	26.2	10.6	10.6	17.3	17.7	7.7	7.7	11.6	11.9
5701	RADIO & TELEVISION TYPE ELECTRON TUBES, EXCEPT CATHODE RAY----------(3671)-+ CATHODE RAY PICTURE TUBES----------(3672)-+ TRANSMITTING, INDUSTRIAL & SPECIAL + PURPOSE ELECTRON TUBES--------------(3673)----	11.5	11.5	12.7	14.8	8.9	8.9	10.4	11.7	6.4	6.4	7.1	8.1
6501	RAILROADS & RELATED SERVICES--------(6501)----	0.0	0.0	-0.8	-0.8	0.0	0.0	-0.6	-0.6	0.0	0.0	-0.6	-0.7
6502	LOCAL, SUBURBAN & INTERURBAN HIGHWAY PASSENGER TRANSPORTATION----(6502)----	0.0	0.0	-0.6	-0.6	0.0	0.0	-0.4	-0.4	0.0	0.0	-0.5	-0.6
6503	MOTOR FREIGHT TRANSPORTATION & WAREHOUSING-------------------(6503)----	0.0	0.0	-0.4	-0.5	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.4	-0.4
6504	WATER TRANSPORTATION----------------(6504)----	0.0	0.0	-3.3	-1.4	0.0	0.0	-2.0	-1.1	0.0	0.0	-1.0	-1.1
6505	AIR TRANSPORTATION------------------(6505)----	0.0	0.0	-1.7	-1.2	0.0	0.0	-1.2	-1.0	0.0	0.0	-1.2	-1.4
6506	PIPE LINE TRANSPORTATION-----------(6506)----	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.3
6507	TRANSPORTATION SERVICES-------------(6507)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table D-1.--U.S. effective tariffs using import weighted nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 NOMINAL NO	1965 NOMINAL MI	1965 EFFECTIVE EO	1965 EFFECTIVE EI	1970 NOMINAL NO	1970 NOMINAL MI	1970 EFFECTIVE EO	1970 EFFECTIVE EI	PKR NOMINAL NO	PKR NOMINAL MI	PKR EFFECTIVE EO	PKR EFFECTIVE EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
6600	COMMUNICATIONS, EXCEPT RADIO & TELEVISION----------(6600)----	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.2	-0.2	[illegible]			
6700	RADIO & TELEVISION BROADCASTING-----(6700)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	[illegible]			
6801	ELECTRIC UTILITIES----------(6801)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	[illegible]			
6802	GAS UTILITIES----------(6802)----	0.0	0.0	-1.3	-1.3	0.0	0.0	-1.4	-1.4	[illegible]			
6803	WATER & SANITARY SERVICES----------(6803)----	0.0	0.0	-0.5	-0.5	0.0	0.0	-0.4	-0.4	[illegible]			
6901	WHOLESALE TRADE----------(6901)----	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2	[illegible]			
6902	RETAIL TRADE----------(6902)----	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.3	-0.3	[illegible]			
7001	BANKING----------(7001)----	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2	[illegible]			
7002	CREDIT AGENCIES----------(7002)----	0.0	0.0	1.6	1.6	0.0	0.0	1.	1.2	0.0	0.0	1.0	1.1
7003	SECURITY & COMMODITY BROKERS--------(7003)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	[illegible]			
7004	INSURANCE CARRIERS----------(7004)----	0.0	0.0	-0.3	-0.1	0.0	0.0	-0.3	-0.1	[illegible]			
7005	INSURANCE AGENTS & BROKERS----------(7005)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	[illegible]			
7101	OWNER OCCUPIED DWELLINGS----------(7101)----	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	[illegible]			
7102	REAL ESTATE----------(7102)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]			
7201	HOTELS & LODGING PLACES----------(7201)----	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.2	-0.2	[illegible]			
7202	PERSONAL & REPAIR SERVICES, EXCEPT AUTO REPAIR, BARBER, & BEAUTY SHOPS----------(7202)----	0.0	0.0	-4.6	-4.5	0.0	0.0	-3.[illegible]	-3.[illegible]	[illegible]			
7203	BARBER & BEAUTY SHOPS----------(7203)----	0.0	0.0	-1.0	-0.9	0.0	0.0	-0.7	-0.7	[illegible]			
7301	MISCELLANEOUS BUSINESS SERVICES-----(7301)----	0.0	0.0	-1.[illegible]	-1.6	0.0	0.0	-1.2	-1.2	[illegible]			
7302	ADVERTISING----------(7302)----	0.0	0.0	-0.8	-0.8	0.0	0.0	-0.6	-0.[illegible]	[illegible]			
7303	MISCELLANEOUS PROFESSIONAL SERVICES----------(7303)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	[illegible]			
7500	AUTOMOBILE REPAIR & SERVICES--------(7500)----	0.0	0.0	-2.2	-2.1	0.0	0.0	-1.5	-1.2	[illegible]			
7601	MOTION PICTURES----------(7601)----	0.0	0.0	-2.3	-1.3	0.0	0.0	-1.4	-0.9	[illegible]			
7602	AMUSEMENT & RECREATION SERVICES-----(7602)----	0.0	0.0	-0.5	-0.5	0.0	0.0	-0.[illegible]	-0.4	[illegible]			
7701	DOCTORS & DENTISTS----------(7701)----	0.0	0.0	-0.5	-0.5	0.0	0.0	-0.[illegible]	-0.3	[illegible]			
7702	HOSPITALS----------(7702)----	0.0	0.0	-2.1	-2.0	0.0	0.0	-1.[illegible]	-1.6	[illegible]			
7703	OTHER MEDICAL & HEALTH SERVICES-----(7703)----	0.0	0.0	-1.[illegible]	-1.[illegible]	0.0	0.0	-1.5	-1.4	[illegible]			
7704	EDUCATIONAL SERVICES----------(7704)----	0.0	0.0	-0.5	-0.6	0.0	0.0	-0.[illegible]	-0.[illegible]	[illegible]			
7705	NONPROFIT ORGANIZATIONS----------(7705)----	0.0	0.0	-0.2	-0.[illegible]	0.0	0.0	-0.2	-0.2	[illegible]			
7801	POST OFFICE----------(7801)----	0.0	0.0	-0.3	-0.2	0.0	0.0	-0.2	-0.1	[illegible]			
7802	FEDERAL ELECTRIC UTILITIES----------(7802)----	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2	[illegible]			
7803	COMMODITY CREDIT CORPORATION--------(7803)----	0.0	0.0	4.2	4.[illegible]	0.0	0.0	4.[illegible]	4.2	[illegible]			
7804	OTHER FEDERAL GOVERNMENT ENTERPRISES----------(7804)----	0.0	0.0	-2.6	-0.4	0.0	0.0	-1.4	-0.3	[illegible]			
7901	LOCAL GOVERNMENT PASSENGER TRANSIT----------(7901)----	0.0	0.0	-0.8	-0.8	0.0	0.0	-0.[illegible]	-0.6	[illegible]			
7902	STATE & LOCAL ELECTRIC UTILITIES----(7902)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	[illegible]			
7903	OTHER STATE & LOCAL GOVERNMENT ENTERPRISES----------(7903)----	0.0	0.0	-47.7	-47.7	0.0	0.0	-47.7	-47.7	[illegible]			
8001	DIRECTLY ALLOCATED IMPORTS----------(8001)----	4.1	4.0	0.0	0.0	3.8	0.0	0.0	0.0	[illegible]			
8002	TRANSFERREL IMPORTS----------(8002)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]			
8100	BUSINESS TRAVEL, ENTERTAINMENT & GIFTS----------(8100)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]			
8200	OFFICE SUPPLIES----------(8200)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]			
8300	SCRAP, USED & SECONDHAND GOODS------(8300)----	2.7	1.8	0.0	0.0	1.8	1.2	0.0	0.0	1.[illegible]	1.7	[illegible]	
8400	GOVERNMENT INDUSTRY----------(8400)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]			
8500	REST OF WORLD INDUSTRY----------(8500)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	[illegible]			
8600	HOUSEHOLD INDUSTRY----------(8600)----	0.0	0.0	9999.9	9999.9	0.0	0.0	9999.9	9999.9	[illegible]			

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
(2)	******	0.935	0.932	0.928	0.955	0.920	0.876	0.871	0.912	0.866	0.839	0.841
(3)	47.287	******	0.870	0.863	0.889	0.915	0.811	0.811	0.850	0.864	0.776	0.777
(4)	55.958	36.546	******	0.992	0.878	0.843	0.912	0.904	0.834	0.789	0.869	0.866
(5)	58.202	37.219	******	******	0.875	0.846	0.916	0.913	0.831	0.787	0.874	0.870
(6)	70.541	42.345	40.009	39.461	******	0.959	0.925	0.921	0.957	0.915	0.893	0.895
(7)	51.247	50.459	54.249	53.824	74.266	******	0.883	0.883	0.930	0.947	0.855	0.856
(8)	38.628	30.200	48.511	49.916	53.288	41.117	******	0.993	0.892	0.837	0.959	0.959
(9)	38.755	30.258	46.209	48.954	51.461	41.013	******	******	0.887	0.836	0.955	0.956
(10)	48.467	35.227	32.949	32.651	82.179	65.016	43.006	41.813	******	0.953	0.924	0.922
(11)	37.716	37.495	28.027	27.651	49.467	64.390	33.365	33.291	68.600	******	0.874	0.871
(12)	33.615	26.329	36.230	39.383	43.406	36.003	74.105	70.383	52.546	39.219	******	0.997
(13)	33.879	26.926	38.119	39.715	43.723	36.135	73.400	70.652	51.628	34.760	******	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 476

Source: Calculated from a databank at the U.S. International Trade Commission.

Table D-2.--U.S. effective tariffs using simple nominal tariff averages

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 -NOMINAL- NO	1965 -NOMINAL- NI	1965 -EFFECTIVE- EO	1965 -EFFECTIVE- EI	1970 -NOMINAL- NO	1970 -NOMINAL- NI	1970 -EFFECTIVE- EO	1970 -EFFECTIVE- EI	PER -NOMINAL- NO	PER -NOMINAL- NI	PER -EFFECTIVE- EO	PER -EFFECTIVE- EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
101	DAIRY FARM PRODUCTS----------(101)----	1.7	1.7	-[illegible].2	-6.4	1.2	1.2	-5.5	-5.6	1.6	1.6	-2.5	-[illegible]
102	POULTRY & EGGS----------(102)----	7.8	7.8	2[illegible].9	24.2	11.0	11.0	73.[illegible]	73.[illegible]	[illegible].8	5.8	2[illegible].1	2[illegible].1
103	MEAT, ANIMALS, & MISCELLANEOUS LIVESTOCK PRODUCTS----------(103)----	6.1	6.6	7.1	6.3	6.3	6.3	10.2	10.2	5.1	5.1	8.4	[illegible].4
201	COTTON----------(201)----	4.3	4.3	[illegible].5	7.4	4.7	4.7	8.7	[illegible].7	[illegible].8	4.8	8.3	[illegible].2
202	FOOD FEED GRAINS & GRASS SEEDS------(202)----	7.1	7.1	11.9	11.8	5.5	5.5	8.9	8.9	5.6	5.6	7.4	7.4
203	TOBACCO----------(203)----	35.5	35.1	67.6	67.4	26.3	26.3	46.8	46.8	25.3	25.4	[illegible].0	45.0
204	FRUITS & TREE NUTS----------(204)----	8.0	7.9	11.0	11.0	5.9	5.9	8.0	8.0	[illegible].7	5.7	7.9	[illegible].9
205	VEGETABLES, SUGAR & MISC. CROPS-----(205)----	10.8	10.9	16.2	16.1	8.6	8.6	12.7	12.8	7.9	7.9	11.3	11.3
206	OIL BEARING CROPS----------(206)----	4.8	4.8	[illegible].8	6.7	4.1	4.1	5.[illegible]	5.6	2.6	2.6	3.1	3.1
207	FOREST, GREENHOUSE & NURSERY PRODUCTS----------(207)----	4.4	4.2	4.9	5.0	3.0	3.0	3.2	3.3	2.5	2.6	2.7	[illegible].7
300	FORESTRY & FISHERY PRODUCTS----------(300)----	2.9	2.4	1.1	1.2	1.8	1.4	0.1	0.0	1.3	1.1	-0.3	-[illegible].3
400	AGRICULTURAL, FORESTRY & FISHERY SERVICES----------(400)----	0.0	0.0	-7.7	-8.3	0.0	0.0	-7.5	-7.4	.0	0.0	-5.2	-[illegible].2
500	IRON & FERROALLOY ORES MINING-------(500)----	3.7	4.3	4.4	4.4	1.7	1.3	0.[illegible]	[illegible].0	.4	2.4	2.9	[illegible].2
601	COPPER ORE MINING----------(601)----	1.6	1.6	-0.4	-0.3	0.0	0.0	-2.1	-2.1	.5	6.5	0.7	[illegible].4
602	NONFERROUS METAL ORES MINING, EXCEPT COPPER----------(602)----	2.8	2.8	1.9	2.2	1.[illegible]	1.[illegible]	0.7	[illegible].6	1.5	1.5	0.9	[illegible].7
700	COAL MINING----------(700)----	0.0	0.0	-2.1	-2.0	0.0	0.0	-1.4	-1.[illegible]	.0	0.0	-1.2	-1.[illegible]
800	CRUDE PETROLEUM & NATURAL GAS--------(800)----	2.1	2.1	[illegible].5	2.5	2.1	2.1	2.7	[illegible].7	.1	2.1	2.9	[illegible].9
900	STONE & CLAY MINING & QUARRYING------(900)----	4.6	3.5	4.3	4.4	2.0	2.0	1.1	1.[illegible]	1.5	1.5	0.6	[illegible].6
1000	CHEMICAL & FERTILIZER MINERAL MINING----------(1000)----	6.4	6.4	7.8	8.0	4.0	4.0	4.7	[illegible].8	3.2	3.2	4.6	[illegible].1
1419	CANE SUGAR, EXCLUDING REFINING------(2061)-+ CANE SUGAR REFINING----------(2062)-+ BEET SUGAR----------(2063)----	4.9	[illegible].9	[illegible].1	2.0	4.3	4.3	[illegible].6	[illegible].5	[illegible].6	5.6	4.0	[illegible].0
1503	NEW RESIDENTIAL SINGLE FAMILY HOUSING, NONFARM----------(1501)----	0.0	0.0	-[illegible].9	-7.1	0.0	0.0	-7.[illegible]	-[illegible].8	[illegible].0	0.0	-4.[illegible]	-[illegible].[illegible]
1504	NEW RESIDENTIAL TWO-FOUR FAMILY HOUSING----------(1504)----	0.0	0.0	-[illegible].2	-7.1	0.0	0.0	-6.[illegible]	-[illegible].[illegible]	[illegible].0	0.[illegible]	-4.6	-[illegible].[illegible]
1505	NEW RESIDENTIAL GARDEN APARTMENTS---(1505)----	0.0	0.0	-[illegible].4	-8.7	0.0	0.0	-7.7	-7.6	[illegible].[illegible]	0.0	-5.4	-[illegible].[illegible]
1506	NEW RESIDENTIAL HIGH-RISE APARTMENTS----------(1506)----	0.0	0.0	-[illegible].9	-9.1	0.0	0.0	-8.[illegible]	-7.[illegible]	[illegible].0	0.0	-5.[illegible]	-[illegible].[illegible]
1507	NEW RESIDENTIAL ALTERATIONS & ADDITIONS----------(1507)----	0.0	0.0	-9.9	-8.3	0.0	0.0	-8.1	-7.[illegible]	.0	0.0	-5.6	-[illegible].[illegible]
1508	NEW HOTELS & MOTELS----------(1508)----	0.0	0.0	-[illegible].5	-8.8	0.0	0.0	-7.2	-[illegible].[illegible]	.0	0.0	-5.6	-[illegible].3
1509	NEW DORMITORIES----------(1509)----	0.0	0.0	-10.2	-9.1	0.0	0.0	-7.5	-7.[illegible]	.0	0.0	-6.0	-[illegible].6
1511	NEW INDUSTRIAL BUILDINGS----------(1511)----	0.0	0.0	-10.0	-8.9	0.0	0.0	-7.4	-7.[illegible]	.0	0.0	-5.8	-[illegible].[illegible]
1512	NEW OFFICE BUILDINGS----------(1512)----	0.0	0.0	-10.1	-9.3	0.0	0.0	-7.5	-7.[illegible]	.0	0.0	-6.0	-[illegible].0
1513	NEW WAREHOUSES----------(1513)----	0.0	0.0	-[illegible].2	-8.2	0.0	0.0	-6.[illegible]	-[illegible].[illegible]	.0	0.0	-5.7	-[illegible].[illegible]
1514	NEW GARAGES & SERVICE STATIONS------(1514)----	0.0	0.0	-10.[illegible]	-8.8	0.0	0.0	-7.1	-[illegible].6	.0	0.0	-5.9	-[illegible].5
1515	NEW STORES & RESTAURANTS----------(1515)----	0.0	0.0	-9.5	-8.6	0.0	0.0	-7.1	-[illegible].[illegible]	.0	0.0	-5.[illegible]	-[illegible].[illegible]
1516	NEW RELIGIOUS BUILDINGS----------(1516)----	0.0	0.0	-9.[illegible]	-8.6	0.0	0.0	-7.2	-[illegible].9	.0	0.0	-5.6	-[illegible].7
1517	NEW EDUCATIONAL BUILDINGS----------(1517)----	0.0	0.0	-11.[illegible]	-10.7	0.0	0.0	-8.4	-[illegible].1	.0	0.0	-[illegible].[illegible]	-[illegible].[illegible]
1518	NEW HOSPITAL BUILDINGS----------(1518)----	0.0	0.0	-10.4	-9.7	0.0	0.0	-7.[illegible]	-7.[illegible]	.0	0.0	-[illegible].3	-[illegible].1
1519	OTHER NEW NONFARM BUILDINGS---------(1519)----	0.0	0.0	-[illegible].9	-9.1	0.0	0.0	-7.4	-7.[illegible]	.0	0.0	-[illegible].1	-[illegible].[illegible]
1601	NEW TELEPHONE & TELEGRAPH FACILITIES----------(1601)----	0.0	0.0	-15.7	-16.3	0.0	0.0	-9.5	-10.1	[illegible].0	0.0	-[illegible].6	-[illegible].[illegible]
1602	NEW RAILROADS----------(1602)----	0.0	0.0	-7.5	-7.4	0.0	0.0	-5.[illegible]	-[illegible].7	[illegible].0	0.0	-[illegible].[illegible]	-[illegible].[illegible]
1603	NEW ELECTRIC UTILITY FACILITIES-----(1603)----	0.0	0.0	-10.7	-10.5	0.0	0.0	-7.[illegible]	-7.[illegible]	[illegible].0	0.0	-6.[illegible]	-[illegible].[illegible]
1604	NEW GAS UTILITY FACILITIES----------(1604)----	0.0	0.0	-[illegible].9	-8.5	0.0	0.0	-7.0	-6.[illegible]	[illegible].0	0.0	-[illegible].[illegible]	-[illegible].[illegible]
1605	NEW PETROLEUM PIPELINES----------(1605)----	0.0	0.0	-[illegible].8	-8.5	0.0	0.0	-6.9	-[illegible].[illegible]	[illegible].0	0.0	-[illegible].[illegible]	-[illegible].[illegible]
1606	NEW WATER SUPPLY FACILITIES----------(1606)----	0.0	0.0	-11.4	-11.8	0.0	0.0	-8.9	-9.[illegible]	[illegible].0	0.0	-7.5	-[illegible].7
1607	NEW SEWER FACILITIES----------(1607)----	0.0	0.0	-10.2	-9.5	0.0	0.0	-7.5	-7.[illegible]	[illegible].0	0.0	-6.2	-[illegible].[illegible]
1608	NEW LOCAL TRANSIT FACILITIES--------(1608)----	0.0	0.0	-5.0	-5.2	0.0	0.0	-3.6	-[illegible].6	[illegible].0	0.0	-3.[illegible]	-[illegible].[illegible]
1610	NEW HIGHWAYS----------(1610)----	0.0	0.0	-6.4	-5.6	0.0	0.0	-4.6	-[illegible].2	[illegible].0	[illegible].0	-3.9	-[illegible].[illegible]
1621	NEW FARM RESIDENTIAL BUILDINGS------(1621)----	0.0	0.0	-8.7	-8.6	0.0	0.0	-7.6	-7.2	[illegible].0	0.0	-5.[illegible]	-[illegible].[illegible]
1622	NEW FARM SERVICE FACILITIES---------(1622)----	0.0	0.0	-8.6	-7.2	0.0	0.0	-6.3	-[illegible].[illegible]	[illegible].0	0.0	-[illegible].[illegible]	-[illegible].[illegible]
1623	NEW OIL & GAS WELLS----------(1623)----	0.0	0.0	-5.5	-5.8	0.0	0.0	-4.2	-4.1	[illegible].0	0.0	-3.7	-[illegible].[illegible]
1624	NEW OIL & GAS EXPLORATION----------(1624)----	0.0	0.0	-1.1	-1.0	0.0	0.0	-0.7	-0.8	[illegible].0	0.0	-0.9	-[illegible].5
1625	NEW MILITARY FACILITIES----------(1625)----	0.0	0.0	-10.8	-9.9	0.0	0.0	-8.0	-7.5	[illegible].0	0.0	-6.[illegible]	-[illegible].[illegible]
1626	NEW CONSERVATION & DEVELOPMENT FACILITIES----------(1626)----	0.0	0.0	-3.5	-3.4	0.0	0.0	-2.8	-2.8	[illegible].0	0.0	-2.5	-[illegible].[illegible]
1627	OTHER NEW NONBUILDING FACILITIES----(1627)----	0.0	0.0	-9.0	-8.5	0.0	0.0	-6.6	-6.6	[illegible].0	0.0	-5.6	-[illegible].5
1701	WOVEN CARPETS & RUGS----------(2271)-+ TUFTED CARPETS & RUGS----------(2272)-+ CARPETS & RUGS, N.E.C.----------(2279)----	20.5	21.0	47.0	50.0	15.3	14.8	29.0	27.2	11.8	11.8	17.[illegible]	14.0
1710	MAINTENANCE & REPAIR, RESIDENTIAL---(1710)----	0.0	0.0	-6.5	-5.0	0.0	0.0	-4.8	-3.9	[illegible].0	0.0	-3.4	-[illegible].7
1721	MAINTENANCE & REPAIR OF OTHER NONFARM BUILDINGS----------(1721)----	0.0	0.0	-5.8	-5.0	0.0	0.0	-4.[illegible]	-3.[illegible]	[illegible].0	0.0	-3.3	-[illegible].[illegible]
1722	MAINTENANCE & REPAIR OF FARM RESIDENTIAL----------(1722)----	0.0	0.0	-8.[illegible]	-6.8	0.0	0.0	-6.6	-5.[illegible]	[illegible].0	0.0	-4.6	-[illegible].7
1723	MAINTENANCE & REPAIR OF FARM SERVICE FACILITIES----------(1723)----	0.0	0.0	-3.4	-2.9	0.0	0.0	-2.4	-2.[illegible]	[illegible].0	0.0	-1.7	-[illegible].[illegible]
1724	MAINTENANCE & REPAIR OF TELEPHONE & TELEGRAPH FACILITIES----------(1724)----	0.0	0.0	-2.2	-2.1	0.0	0.0	-1.6	-[illegible].[illegible]	[illegible].0	0.0	-1.[illegible]	-[illegible].2
1725	MAINTENANCE & REPAIR OF RAILROADS---(1725)----	0.0	0.0	-2.7	-2.7	0.0	0.0	-2.0	-[illegible].9	[illegible].0	0.0	-1.6	-[illegible].6
1726	MAINTENANCE & REPAIR OF ELECTRIC UTILITY FACILITIES----------(1726)----	0.0	0.0	-2.4	-2.3	0.0	0.0	-1.7	-[illegible].6	[illegible].0	0.0	-1.3	-[illegible].[illegible]
1727	MAINTENANCE & REPAIR OF GAS UTILITY FACILITIES----------(1727)----	0.0	0.0	-3.5	-3.2	0.0	0.0	-2.7	-2.5	[illegible].0	0.0	-2.[illegible]	-[illegible].[illegible]
1728	MAINTENANCE & REPAIR OF PETROLEUM PIPELINES----------(1728)----	0.0	0.0	-6.5	-6.1	0.0	0.0	-5.0	-4.8	[illegible].0	0.0	-4.1	-[illegible].[illegible]
1729	MAINTENANCE & REPAIR OF WATER SUPPLY FACILITIES----------(1729)----	0.0	0.0	-2.6	-2.4	0.0	0.0	-1.9	-[illegible].[illegible]	[illegible].0	0.0	-1.6	-[illegible].[illegible]
1731	MAINTENANCE & REPAIR OF SEWER FACILITIES----------(1731)----	0.0	0.0	-2.9	-2.8	0.0	0.0	-2.0	-2.[illegible]	[illegible].0	0.0	-1.5	-[illegible].[illegible]
1732	MAINTENANCE & REPAIR OF LOCAL TRANSIT FACILITIES----------(1732)----	0.0	0.0	-5.1	-4.9	0.0	0.0	-3.[illegible]	-3.7	[illegible].0	0.0	-3.1	-[illegible].[illegible]
1733	MAINTENANCE & REPAIR OF MILITARY FACILITIES----------(1733)----	0.0	0.0	-4.2	-3.7	0.0	0.0	-3.1	-[illegible].[illegible]	[illegible].0	0.0	-2.[illegible]	-[illegible].[illegible]
1734	MAINTENANCE & REPAIR OF CONSERVATION & DEVELOPMENT FACILITIES----(1734)----	0.0	0.0	-1.7	-1.6	0.0	0.0	-1.2	-1.2	[illegible].0	0.0	-1.1	-[illegible].[illegible]
1735	MAINTENANCE & REPAIR OF HIGHWAYS----(1735)----	0.0	0.0	-2.2	-1.8	0.0	0.0	-1.4	-1.2	[illegible].0	0.0	-1.1	-[illegible].9

Table D-2.--U.S. effective tariffs using simple nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 -NOMINAL- NO	1965 -NOMINAL- NI	1965 -EFFECTIVE- EO	1965 -EFFECTIVE- EI	1970 -NOMINAL- NO	1970 -NOMINAL- NI	1970 -EFFECTIVE- EO	1970 -EFFECTIVE- EI	FKR -NOMINAL- NO	FKR -NOMINAL- NI	FKR -EFFECTIVE- EO	FKR -EFFECTIVE- EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1736	MAINTENANCE & REPAIR OF OIL & GAS WELLS----------(1736)----	0.0	0.0	-1.5	-1.5	0.0	0.0	-1.8	-1.8	0.0	0.0	-1.8	-1.8
1737	MAINTENANCE & REPAIR OF OTHER NONBUILDING FACILITIES----------(1737)----	0.0	0.0	-2.5	-2.1	0.0	0.0	-1.6	-1.6	0.0	0.0	-1.4	-1.4
1804	MEN'S & BOYS' SUITS, COATS & OVERCOATS----------(2311)-+												
	MEN'S & BOYS' SHIRTS, COLLARS & NIGHTWEAR----------(2321)-+												
	MEN'S & BOYS' UNDERWEAR----------(2322)-+												
	MEN'S & BOYS' NECKWEAR----------(2323)-+												
	MEN'S & BOYS' SEPARATE TROUSERS-----(2327)-+												
	MEN'S & BOYS' WORK CLOTHING---------(2328)-+												
	MEN'S & BOYS' CLOTHING, N.E.C.------(2329)-+												
	WOMEN'S & JUNIORS' BLOUSES, WAISTS, & SHIRTS----------(2331)-+												
	WOMEN'S & JUNIORS' DRESSES----------(2335)-+												
	WOMEN'S & JUNIORS' SUITS, SKIRTS, & COATS----------(2337)-+												
	WOMEN'S & JUNIORS' OUTERWEAR, N.E.C.----------(2339)-+												
	WOMEN'S, CHILDRENS' & INFANTS' UNDERWEAR & NIGHTWEAR----------(2341)-+												
	CORSETS & ALLIED GARMENTS----------(2342)-+												
	MILLINERY----------(2351)-+												
	HATS & CAPS, EXCEPT MILLINERY-------(2352)-+												
	GIRLS' & INFANTS' DRESSES, BLOUSES, WAISTS & SHIRTS----------(2361)-+												
	GIRLS' & INFANTS' COATS & SUITS-----(2363)-+												
	GIRLS' & INFANTS' OUTERWEAR, N.E.C.-(2369)-+												
	FUR GOODS----------(2371)-+												
	DRESS & WORK GLOVES, EXCEPT KNIT & ALL-LEATHER----------(2381)-+												
	ROBES & DRESSING GOWNS----------(2384)-+												
	RAINCOATS & OTHER WATERPROOF OUTER GARMENTS----------(2385)-+												
	LEATHER & SHEEP LINED CLOTHING------(2386)-+												
	APPAREL BELTS----------(2387)-+												
	APPAREL & ACCESSORIES, N.E.C.-------(2389)-+												
	FURS, DRESSED & DYED (INCLUDED IN SIC 3999 IN 1967)----------(3992)----	26.4	9.0	38.4	41.5	25.7	6.1	40.7	42.6	24.6	8.4	40.9	43.1
1925	COMPLETE GUIDED MISSILES----------(1925)----	1.4	1.4	0.1	0.2	1.7	1.7	0.5	0.6	3.6	3.3	11.6	11.7
1929	AMMUNITION, EXCEPT FOR SMALL ARMS, N.E.C.----------(1929)----	1.4	1.4	-3.9	-3.8	1.7	1.7	-1.7	-1.7	3.6	3.3	11.1	11.1
1931	TANKS & TANK COMPONENTS----------(1931)----	2.9	2.9	-15.6	-15.1	6.6	6.6	4.7	4.2	5.0	5.0	2.1	1.1
1941	SIGHTING & FIRE CONTROL EQUIP.------(1941)----	1.4	1.4	-6.0	-6.0	1.7	1.7	-3.6	-3.5	3.6	3.3	9.8	9.8
1951	SMALL ARMS----------(1951)----	24.7	24.7	43.8	47.2	17.1	17.1	29.1	31.9	15.0	15.0	13.4	21.7
1961	SMALL ARMS AMMUNITION----------(1961)----	14.7	14.7	22.0	22.3	11.5	11.5	17.4	17.1	9.5	9.5	14.6	11.9
1990	GUNS, HOWITZERS, MORTARS & RELATED EQUIPMENT----------(1911)-+												
	ORDNANCE & ACCESSORIES, N.E.C.------(1999)----	1.4	1.4	-1.8	-1.7	1.7	1.7	-0.3	-0.2	3.6	3.3	11.7	11.7
2011	MEAT PACKING PLANTS----------(2011)----	7.0	7.1	15.5	12.4	5.7	5.4	4.9	4.9	4.4	4.0	2.5	2.4
2013	SAUSAGES & OTHER PREPARED MEATS-----(2013)----	7.4	6.9	10.1	8.7	6.2	6.3	5.4	7.6	5.5	5.0	9.6	7.4
2015	POULTRY DRESSING PLANTS----------(2015)----	7.6	5.6	10.2	8.0	9.0	6.0	6.3	2.4	6.1	3.0	10.8	5.3
2021	CREAMERY BUTTER----------(2021)----	7.5	7.5	87.3	87.1	1.5	1.5	-5.1	-13.4	12.6	12.6	477.4	271.7
2022	CHEESE, NATURAL & PROCESSED---------(2022)----	17.7	17.6	105.6	107.5	16.4	16.4	98.7	84.5	14.5	14.5	73.2	65.0
2023	CONDENSED & EVAPORATED MILK---------(2023)----	7.3	6.9	20.1	20.1	8.2	12.2	26.8	22.1	9.0	11.4	24.0	21.4
2024	ICE CREAM & FROZEN DESERTS----------(2024)----	18.8	18.8	57.4	59.0	18.8	18.8	59.9	57.3	10.8	10.8	50.5	51.1
2026	FLUID MILK----------(2026)----	1.4	1.4	-1.9	-2.0	5.5	1.0	16.5	12.0	3.7	1.3	17.1	12.6
2031	CANNED & CURED SEA FOODS------------(2031)----	9.5	9.5	23.7	21.3	7.4	7.6	19.0	17.8	6.0	6.4	15.7	14.9
2032	CANNED SPECIALTIES----------(2032)----	12.8	12.8	24.5	22.4	8.8	8.8	14.4	11.2	6.5	6.5	9.6	6.5
2033	CANNED FRUITS & VEGETABLES----------(2033)----	15.0	13.7	40.1	40.4	12.5	12.2	35.7	35.5	11.8	11.6	34.2	33.9
2034	DEHYDRATED FRUITS & VEGETABLES------(2034)----	13.3	11.8	23.2	19.2	10.8	9.6	20.9	15.7	9.6	8.2	18.1	13.0
2035	PICKLES, SAUCES, & SALAD DRESSINGS----------(2035)----	10.7	7.3	16.9	16.0	7.6	6.2	3.9	2.0	1.7	4.6	0.6	-1.7
2036	FRESH OR FROZEN PACKAGED FISH-------(2036)----	3.8	2.7	4.6	1.0	2.3	1.5	1.7	-0.5	1.6	1.1	4.8	-1.0
2037	FROZEN FRUITS & VEGETABLES----------(2037)----	13.5	12.6	19.6	19.3	10.7	10.7	23.4	21.7	5.9	5.9	23.8	21.9
2041	FLOUR & OTHER GRAIN MILL PRODUCTS---(2041)----	5.6	5.6	5.7	5.6	5.6	5.3	15.2	14.9	5.4	5.2	19.7	19.5
2042	PREPARED FEEDS FOR ANIMALS & FOWLS----------(2042)----	3.9	4.7	-19.7	-20.0	2.9	2.9	-16.6	-16.7	2.1	2.1	-13.8	-13.1
2043	CEREAL PREPARATIONS----------(2043)----	4.6	4.6	4.0	3.8	2.8	2.8	0.2	0.2	2.3	2.3	0.9	1.3
2044	RICE MILLING----------(2044)----	7.5	7.5	19.8	19.7	7.8	7.8	42.0	42.0	4.4	4.4	8.6	8.6
2045	BLENDED & PREPARED FLOUR------------(2045)----	6.2	6.2	4.2	4.3	6.8	6.8	9.2	7.4	6.3	6.3	11.7	10.0
2046	WET CORN MILLING----------(2046)----	18.0	16.5	40.2	40.4	12.9	10.8	27.0	27.3	10.1	10.0	20.3	20.4
2051	BREAD, CAKE, & RELATED PRODUCTS-----(2051)----	1.2	1.2	-4.4	-4.5	0.8	0.8	-4.4	-5.1	0.6	0.6	-4.1	-4.7
2052	COOKIES & CRACKERS----------(2052)----	5.9	5.9	3.0	3.1	4.2	4.2	1.1	0.9	2.8	2.9	-0.5	-0.7
2071	CONFECTIONERY PRODUCTS----------(2071)----	13.3	21.3	31.8	32.0	11.7	20.1	30.5	30.6	10.0	21.7	29.9	29.9
2072	CHOCOLATE & COCOA PRODUCTS----------(2072)----	5.1	4.8	4.9	5.4	2.6	1.6	-0.5	0.1	1.8	0.8	-1.7	-1.3
2073	CHEWING GUM----------(2073)----	10.9	12.7	14.7	14.9	9.2	11.9	12.8	13.2	5.3	8.0	1.4	1.1
2082	MALT LIQUORS----------(2082)----	12.2	11.4	18.3	18.3	7.6	7.3	10.5	10.5	5.5	5.3	7.4	7.4
2083	MALT----------(2083)----	2.8	2.8	-4.3	-4.3	2.8	2.8	-0.6	-0.6	2.7	2.7	1.3	1.3
2084	WINES, BRANDY, & BRANDY SPIRITS-----(2084)----	39.2	40.2	78.3	78.2	27.1	27.1	49.9	49.9	21.5	21.5	38.0	37.9
2085	DISTILLED LIQUOR, EXCEPT BRANDY-----(2085)----	35.6	36.6	48.2	48.1	28.0	28.0	37.3	37.3	21.9	21.9	28.8	28.8
2086	BOTTLED & CANNED SOFT DRINKS--------(2086)----	2.0	2.0	-6.8	-4.9	1.2	1.2	-6.7	-7.5	1.0	1.0	-6.1	-6.9
2087	FLAVORING EXTRACTS & SYRUPS, N.E.C.-(2087)----	19.0	9.0	36.7	37.2	16.3	20.5	31.6	31.6	14.9	18.8	28.7	28.6
2091	COTTONSEED OIL MILLS----------(2091)----	4.8	4.8	10.5	10.4	21.4	21.4	9999.8	9999.8	3.0	3.0	-1.3	-1.2
2092	SOYBEAN OIL MILLS----------(2092)----	48.0	48.0	139.8	139.8	31.9	31.9	75.6	75.6	20.8	20.8	44.6	44.6
2093	VEGETABLE OIL MILLS, N.E.C.----------(2093)----	3.8	9.3	2.4	2.8	3.6	3.2	3.5	4.0	4.5	2.9	4.3	5.9
2094	ANIMAL & MARINE FATS & OILS---------(2094)----	6.4	6.4	9.8	9.3	3.6	3.6	4.5	4.1	3.1	3.1	4.1	3.8
2095	ROASTED COFFEE----------(2095)----	0.6	0.0	-7.5	-6.3	1.4	0.0	-2.9	-1.0	0.0	0.0	-7.0	-5.7
2096	SHORTENING & COOKING OILS-----------(2096)----	28.8	28.8	254.2	252.9	28.8	28.8	402.7	401.9	22.9	22.9	567.2	557.6
2097	MANUFACTURED ICE----------(2097)----	0.0	0.0	-1.5	-1.5	0.0	0.0	-1.1	-1.1	0.0	0.0	-0.9	-0.9
2098	MACARONI & SPAGHETTI----------(2098)----	5.3	5.3	3.0	2.9	3.4	3.4	-1.1	-2.3	2.5	2.5	-2.0	-2.0
2099	FOOD PREPARATIONS, N.E.C.-----------(2099)----	8.6	8.3	12.9	12.9	6.2	6.0	8.3	8.5	5.1	5.0	6.3	6.9
2100	NAILED WOODEN BOXES & SHOOK---------(2441)-+												
	WIREBOUND BOXES & CRATES------------(2442)-+												
	VENEER & PLYWOOD CONTAINERS, EXCEPT EXCEPT BOXES & CRATES----------(2443)-+												
	COOPERAGE----------(2445)----	7.3	9.4	13.0	12.3	4.8	4.8	8.5	9.0	3.8	3.6	6.8	7.1

Table D-2'.--U.S. effective tariffs using simple nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 NOMINAL NO	1965 NOMINAL NI	1965 EFFECTIVE EO	1965 EFFECTIVE EI	1970 NOMINAL NO	1970 NOMINAL NI	1970 EFFECTIVE EO	1970 EFFECTIVE EI	[illegible] NOMINAL NO	[illegible] NOMINAL NI	[illegible] EFFECTIVE EO	[illegible] EFFECTIVE EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2111	CIGARETTES----(2111)----	40.8	40.8	53.1	53.0	40.8	[illegible]	65.5	[illegible]	[illegible]	[illegible]	74.0	[illegible]
2121	CIGARS----(2121)----	5.9	5.9	-7.9	-7.9	8.4	8.4	3.2	3.2	[illegible]	3.9	-7.8	[illegible]
2131	CHEWING & SMOKING TOBACCO----(2131)----	17.2	0.0	6.5	8.5	31.2	31.2	53.3	[illegible]	[illegible]	15.0	11.0	[illegible]
2141	TOBACCO STEMMING & REDRYING----(2141)----	40.0	40.0	72.0	68.7	20.7	20.7	8.0	[illegible]	[illegible]	31.4	[illegible]	[illegible]
2201	BROAD WOVEN FABRIC MILLS, COTTON----(2211)-+; BROAD WOVEN FABRIC MILLS, MAN-MADE FIBER & SILK----(2221)-+; BROAD WOVEN FABRIC MILLS, WOOL: INCLUDING DYEING & FINISHING----(2231)-+; FINISHERS OF BROAD WOVEN FABRICS OF COTTON----(2261)-+; FINISHERS OF BROAD WOVEN FABRICS OF MAN-MADE FIBER & SILK----(2262)----	23.9	23.9	50.9	51.6	21.1	21.1	45.2	[illegible]	[illegible]	13.0	41.2	[illegible]
2241	NARROW FABRIC MILLS----(2241)----	23.9	31.6	37.5	37.8	17.7	21.1	26.4	28.4	[illegible]	16.0	[illegible]	[illegible]
2251	WOMEN'S HOSIERY, EXCEPT SOCKS----(2251)----	30.5	30.5	50.7	50.9	28.5	28.5	[illegible]	51.1	[illegible]	28.5	44.9	[illegible]
2252	HOSIERY, N.E.C.----(2252)----	30.5	30.5	58.3	59.3	28.8	[illegible]	61.0	61.5	[illegible]	[illegible]	[illegible]	[illegible]
2253	KNIT OUTERWEAR MILLS----(2253)----	30.6	27.3	53.7	56.5	31.0	31.	56.1	[illegible]	[illegible]	31.7	71.1	[illegible]
2254	KNIT UNDERWEAR MILLS----(2254)----	27.0	27.0	42.6	43.6	27.4	[illegible]	58.3	[illegible]	[illegible]	27.4	[illegible]	[illegible]
2256	KNIT FABRIC MILLS----(2256)----	26.8	26.8	55.5	57.9	26.4	[illegible]	73.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2259	KNITTING MILLS, N.E.C.----(2259)----	21.5	20.7	30.6	32.	16.9	16.5	[illegible]	23.1	[illegible]	[illegible]	[illegible]	[illegible]
2280	FINISHERS OF TEXTILES, N.E.C.----(2269)-+; YARN SPINNING MILLS----(2281)-+; YARN THROWING, TWISTING, & WINDING MILLS----(2282)-+; YARN MILLS, WOOL, INCLUDING CARPET & RUG YARN----(2283)----	20.7	19.4	50.6	51.2	16.7	[illegible]	[illegible]	[illegible]	[illegible]	13.7	[illegible]	[illegible]
2284	THREAD MILLS----(2284)----	13.6	13.6	12.5	13.7	16.8	[illegible]	31.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2291	FELT GOODS, N.E.C.----(2291)----	27.1	27.1	114.4	135.4	19.9	[illegible]	68.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	LACE GOODS----(2292)----	35.3	23.5	62.2	63.0	27.2	[illegible]	45.9	46.2	[illegible]	[illegible]	[illegible]	[illegible]
2293	PADDINGS & UPHOLSTERY FILLING----(2293)----	20.5	6.5	110.3	114.6	16.0	4.4	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2294	PROCESSED TEXTILE WASTE----(2294)----	10.8	11.0	46.0	56.0	7.6	8.1	32.	[illegible]	[illegible]	5.6	[illegible]	[illegible]
2295	COATED FABRICS, NOT RUBBERIZED----(2295)----	17.2	16.7	14.4	13.5	14.6	14.6	13.1	[illegible]	[illegible]	[illegible]	.7	[illegible]
2296	TIRE CORD & FABRIC----(2296)----	16.8	16.8	10.2	10.2	16.8	16.4	30.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2297	SCOURING & COMBING PLANTS----(2297)----	14.6	14.6	44.6	46.1	15.9	15.9	[illegible]	[illegible]	[illegible]	[illegible]	.7	[illegible]
2298	CORDAGE & TWINE----(2298)----	17.7	17.0	42.8	43.5	14.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2299	TEXTILE GOODS, N.E.C.----(2299)----	15.8	14.9	22.6	23.1	13.6	13.2	[illegible]	[illegible]	[illegible]	[illegible]	17.0	[illegible]
2391	CURTAINS & DRAPERIES----(2391)----	26.8	25.8	51.3	52.1	21.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	HOUSEFURNISHINGS, N.E.C.----(2392)----	22.2	22.0	42.0	45.5	18.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2393	TEXTILE BAGS----(2393)----	17.7	17.7	38.6	40.4	12.6	[illegible]	[illegible]	17.4	[illegible]	[illegible]	[illegible]	[illegible]
2394	CANVAS PRODUCTS----(2394)----	15.3	15.3	13.9	14.2	12.3	12.3	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2395	PLEATING & STITCHING----(2395)----	41.1	42.7	69.9	70.6	28.0	28.6	41.5	41.7	[illegible]	19.5	[illegible]	[illegible]
2396	AUTOMOTIVE & APPAREL TRIMMINGS----(2396)----	18.8	3.3	22.4	24.5	13.7	[illegible]	12.0	14.7	[illegible]	6.6	[illegible]	[illegible]
2397	SCHIFFLI MACHINE EMBROIDERIES----(2397)----	40.0	34.9	66.7	69.7	26.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2399	FABRICATED TEXTILE PRODUCTS, N.E.C.-(2399)----	24.3	25.0	37.7	37.6	17.7	17.7	[illegible]	[illegible]	[illegible]	[illegible]	17.6	[illegible]
2411	LOGGING CAMPS & LOGGING CONTRACTORS----(2411)----	0.0	2.0	-1.9	-3.7	0.7	0.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2421	SAWMILLS & PLANING MILLS, GENERAL---(2421)----	1.4	0.7	1.6	0.6	0.3	[illegible]	-0.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2426	HARDWOOD DIMENSION & FLOORING----(2426)----	10.6	3.2	27.2	26.4	6.1	1.7	[illegible]	[illegible]	[illegible]	1.1	[illegible]	[illegible]
2429	SPECIAL PRODUCT SAWMILLS, N.E.C.----(2429)----	4.6	13.7	8.5	9.6	2.4	[illegible]	3.7	[illegible]	.7	[illegible]	[illegible]	[illegible]
2431	MILLWORK----(2431)----	5.5	0.0	5.3	7.7	2.6	0.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2432	VENEER & PLYWOOD----(2432)----	15.7	10.3	37.5	41.3	12.3	6.6	26.4	[illegible]	.5	[illegible]	[illegible]	[illegible]
2433	PREFABRICATED WOOD STRUCTURES----(2433)----	14.4	0.0	29.3	33.9	9.5	9.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2491	WOOD PRESERVING----(2491)----	6.4	11.0	13.7	12.9	4.2	4.0	6.1	[illegible]	[illegible]	[illegible]	.7	[illegible]
2499	WOOD PRODUCTS, N.E.C.----(2499)----	14.5	9.1	29.7	30.8	10.2	6.9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2500	FOLDING PAPERBOARD BOXES----(2651)-+; SET-UP PAPERBOARD BOXES----(2652)-+; CORRUGATED & SOLID FIBER BOXES----(2653)-+; SANITARY FOOD CONTAINERS----(2654)-+; FIBER CANS, TUBES, DRUMS & SIMILAR PRODUCTS----(2655)----	11.3	11.7	19.6	19.2	6.1	8.1	[illegible]	[illegible]	.9	[illegible]	[illegible]	[illegible]
2511	WOOD HOUSEHOLD FURNITURE----(2511)----	17.1	17.1	32.0	37.3	14.0	[illegible]	27.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2512	UPHOLSTERED HOUSEHOLD FURNITURE----(2512)----	26.0	26.0	57.3	63.2	18.0	[illegible]	34.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2514	METAL HOUSEHOLD FURNITURE----(2514)----	14.9	14.9	25.6	25.1	10.3	10.3	[illegible]	[illegible]	[illegible]	7.4	[illegible]	[illegible]
2515	MATTRESSES & BEDSPRINGS----(2515)----	18.4	18.4	31.2	36.2	15.7	15.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2519	HOUSEHOLD FURNITURE, N.E.C.----(2519)----	13.1	13.1	42.2	41.6	9.1	9.1	[illegible]	27.4	[illegible]	6.4	[illegible]	[illegible]
2521	WOOD OFFICE FURNITURE----(2521)----	17.1	17.1	33.4	37.6	14.0	[illegible]	[illegible]	[illegible]	[illegible]	9.1	[illegible]	[illegible]
2522	METAL OFFICE FURNITURE----(2522)----	14.9	14.9	23.0	24.1	10.3	10.3	[illegible]	16.0	7.4	7.4	[illegible]	[illegible]
2531	PUBLIC BUILDING FURNITURE----(2531)----	14.9	14.9	25.1	29.9	10.3	[illegible]	16.5	19.7	7.4	7.4	[illegible]	[illegible]
2541	WOOD PARTITIONS & FIXTURES----(2541)----	9.6	9.6	9.4	12.9	6.5	6.5	6.0	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2542	METAL PARTITIONS & FIXTURES----(2542)----	18.4	18.4	31.6	32.9	12.8	[illegible]	20.8	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2591	VENETIAN BLINDS & SHADES----(2591)----	18.4	18.4	34.5	35.9	12.8	12.5	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2599	FURNITURE & FIXTURES, N.E.C.----(2599)----	15.0	15.0	23.1	26.0	11.3	11.3	17.5	19.5	7.7	7.7	[illegible]	[illegible]
2605	COMMERCIAL PRINTING, EXCEPT LITHOGRAPHIC----(2751)-+; COMMERCIAL PRINTING, LITHOGRAPHIC---(2752)----	8.1	8.5	9.5	9.6	5.7	5.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2611	PULP MILLS----(2611)----	0.0	0.0	-5.4	-6.4	0.0	[illegible]	-4.2	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2621	PAPER MILLS, EXCEPT BUILDING PAPER----(2621)----	9.3	9.6	18.6	18.2	6.9	7.1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2631	PAPERBOARD MILLS----(2631)----	7.1	7.4	11.4	11.0	3.9	3.9	5.5	[illegible]	[illegible]	2.4	[illegible]	[illegible]
2641	PAPER COATING & GLAZING----(2641)----	9.6	9.1	11.4	11.7	7.4	7.1	9.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2642	ENVELOPES----(2642)----	16.0	16.0	26.8	27.4	10.6	10.6	[illegible]	17.0	[illegible]	[illegible]	[illegible]	[illegible]
2643	BAGS, EXCEPT TEXTILE BAGS----(2643)----	14.5	14.5	30.9	32.2	9.9	9.9	18.9	20.1	7.1	7.1	[illegible]	[illegible]
2644	WALLPAPER----(2644)----	10.0	10.0	13.4	13.4	6.6	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2645	DIE CUT PAPER & BOARD----(2645)----	13.2	13.2	23.4	23.2	9.1	9.1	15.8	15.9	[illegible]	[illegible]	[illegible]	[illegible]
2646	PRESSED & MOLDED PULP GOODS----(2646)----	6.7	6.7	14.9	15.1	6.3	6.3	[illegible]	10.4	[illegible]	[illegible]	7.1	[illegible]
2647	SANITARY PAPER PRODUCTS----(2647)----	12.2	12.2	21.7	21.7	6.0	[illegible]	12.2	[illegible]	[illegible]	[illegible]	.7	[illegible]
2649	CONVERTED PAPER PRODUCTS, N.E.C.----(2649)----	14.0	12.0	23.4	23.6	11.3	24.7	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2661	BUILDING PAPER & BOARD MILLS----(2661)----	11.3	11.3	19.7	20.2	12.7	12.7	24.7	[illegible]	.4	[illegible]	[illegible]	[illegible]
2701	ALKALIES & CHLORINE----(2812)-+; INDUSTRIAL GASES----(2813)-+; CYCLIC INTERMEDIATES, DYES, ORGANIC PIGMENTS & CYCLIC CRUDES----(2815)-+; INORGANIC PIGMENTS----(2816)-+; INDUSTRIAL ORGANIC CHEMICALS, N.E.C.----(2818)-+; INDUSTRIAL INORGANIC CHEMICALS, N.E.C.----(2819)----	12.9	13.0	18.9	19.1	9.9	10.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Table D-2.--U.S. effective tariffs using simple nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION	(PURE SIC)	1965 NOMINAL EO	1965 NOMINAL NI	1965 EFFECTIVE EO	1965 EFFECTIVE EI	1970 NOMINAL NO	1970 NOMINAL NI	1970 EFFECTIVE EO	1970 EFFECTIVE EI	PRR NOMINAL NO	PRR NOMINAL NI	PRR EFFECTIVE EO	PRR EFFECTIVE EI
	(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2711	NEWSPAPERS	(2711)	0.0	0.0	-3.7	-3.7	0.0	0.0	-2.8	-2.8	[illegible]	0.0	-2.1	-2.1
2721	PERIODICALS	(2721)	1.8	0.0	-3.3	-3.5	0.0	0.0	-5.8	-5.8	0.0	0.0	-4.2	-4.2
2731	BOOK PUBLISHING	(2731)	2.4	2.5	3.9	5.8	0.8	[illegible]	1.1	1.2	[illegible]	[illegible]	[illegible]	[illegible]
2732	BOOK PRINTING	(2732)	1.8	0.0	-1.1	-0.7	0.0	0.0	-2.9	-2.8	0.0	0.0	-2.2	-2.2
2741	MISCELLANEOUS PUBLISHING	(2741)	3.7	3.0	1.4	1.3	1.9	1.9	-0.5	-0.5	[illegible]	1.7	-0.4	-0.4
2753	ENGRAVING & PLATE PRINTING	(2753)	6.9	6.9	8.5	8.5	4.4	4.4	5.0	5.0	[illegible]	4.4	5.6	5.7
2761	MANIFOLD BUSINESS FORMS	(2761)	13.2	13.2	24.8	25.6	9.1	9.1	16.9	16.9	[illegible]	6.3	12.4	12.4
2771	GREETING CARD PUBLISHING	(2771)	12.6	9.4	19.0	20.2	8.3	8.3	12.0	12.1	.1	6.1	8.7	[illegible]
2782	BLANKBOOKS & LOOSELEAF BINDERS	(2782)	13.2	13.2	18.7	19.6	9.2	9.2	12.6	13.2	6.6	6.6	8.9	[illegible]
2789	BOOKBINDING & RELATED WORK	(2789)	2.8	3.3	0.5	0.5	0.9	0.9	-1.4	-1.4	[illegible]	0.7	-1.1	-1.1
2791	TYPESETTING	(2791)	3.3	3.3	2.9	2.9	1.6	1.6	1.0	1.0	1.2	1.2	0.8	[illegible]
2793	PHOTOENGRAVING	(2793)	9.8	9.8	10.7	10.5	6.7	6.7	7.1	7.1	4.8	4.8	5.0	[illegible]
2794	ELECTROTYPING & STEREOTYPING	(2794)	9.8	9.8	11.6	12.1	6.7	6.7	7.7	8.1	4.8	4.8	5.4	[illegible]
2821	PLASTICS MATERIALS & RESINS	(2821)	18.3	22.2	34.1	34.3	12.8	14.7	22.1	22.3	[illegible]	12.5	19.5	[illegible]
2822	SYNTHETIC RUBBER	(2822)	8.6	9.2	6.3	6.7	6.0	[illegible]	3.7	4.1	.2	4.7	2.3	[illegible]
2823	CELLULOSIC MAN-MADE FIBERS	(2823)	26.3	26.3	57.9	59.2	21.2	21.2	45.7	46.0	[illegible]	14.0	37.1	35.5
2824	ORGANIC FIBERS, NONCELLULOSIC	(2824)	20.7	20.7	31.1	31.4	14.6	14.6	20.6	20.8	11.3	[illegible]	14.4	[illegible]
2841	SOAP & OTHER DETERGENTS	(2841)	9.3	3.3	11.4	11.3	8.0	5.2	11.3	11.4	[illegible]	1.9	5.7	[illegible]
2842	POLISHES & SANITATION GOODS	(2842)	6.1	13.1	6.1	6.4	4.3	9.4	3.3	4.0	4.1	6.7	2.5	2.6
2843	SURFACE ACTIVE AGENTS	(2843)	15.7	26.1	40.6	40.8	10.2	17.1	25.5	[illegible]	[illegible]	13.1	14.3	[illegible]
2844	TOILET PREPARATIONS	(2844)	15.5	15.5	53.1	55.8	11.3	11.3	36.0	37.8	[illegible]	8.6	26.5	27.6
2851	PAINTS & ALLIED PRODUCTS	(2851)	7.8	0.0	5.8	5.6	5.3	0.0	2.9	2.8	4.7	0.0	1.0	1.0
2861	GUM & WOOD CHEMICALS	(2861)	4.0	4.1	7.2	6.3	3.5	3.2	7.9	7.2	[illegible]	3.4	9.6	[illegible]
2871	FERTILIZERS	(2871)	0.0	0.0	-14.0	-13.7	0.0	0.0	-10.8	-10.6	0.0	0.0	-6.4	[illegible]
2872	FERTILIZERS, MIXING ONLY	(2872)	0.0	0.0	-16.8	-16.5	0.0	0.0	-13.5	-13.2	0.0	0.0	[illegible]	[illegible]
2879	AGRICULTURAL CHEMICALS, N.E.C.	(2879)	6.8	6.8	1.9	2.1	5.0	5.0	0.8	1.1	[illegible]	3.3	-0.5	[illegible]
2891	ADHESIVES & GELATIN	(2891)	14.1	12.0	32.1	30.6	9.8	8.9	20.1	15.4	[illegible]	[illegible]	11.2	[illegible]
2892	EXPLOSIVES	(2892)	8.1	5.6	6.0	8.2	3.2	5.1	0.4	[illegible]	[illegible]	29.5	11.8	12.0
2893	PRINTING INK	(2893)	2.7	2.7	-4.1	-3.2	1.9	1.9	-3.3	[illegible]	1.4	1.4	-2.7	[illegible]
2895	CARBON BLACK	(2895)	6.8	6.8	10.0	9.9	1.9	1.9	1.0	[illegible]	1.0	0.9	-2.3	[illegible]
2899	CHEMICAL PREPARATIONS, N.E.C.	(2899)	8.1	7.1	9.5	9.6	5.9	5.1	6.7	6.7	4.4	3.7	4.8	4.9
2901	BIOLOGICAL PRODUCTS (2831) + MEDICINAL CHEMICALS & BOTANICAL PRODUCTS (2833) + PHARMACEUTICAL PREPARATIONS	(2834)	13.5	19.3	20.5	20.8	9.1	13.5	13.5	13.5	[illegible]	9.2	3.9	9.9
2951	PAVING MIXTURES & BLOCKS	(2951)	0.0	0.0	-5.6	-5.6	0.9	0.0	-4.3	[illegible]	0.0	0.0	-4.1	[illegible]
2952	ASPHALT FELTS & COATINGS	(2952)	4.7	4.7	1.0	1.0	1.9	1.9	-6.3	-6.3	0.0	0.0	-15.9	[illegible]
3011	TIRES & INNER TUBES	(3011)	8.4	8.5	9.3	9.3	5.7	5.7	5.0	5.1	4.2	4.2	[illegible]	[illegible]
3021	RUBBER FOOTWEAR	(3021)	16.9	19.0	21.8	21.8	17.2	17.2	24.6	24.7	[illegible]	16.4	24.5	24.6
3031	RECLAIMED RUBBER	(3031)	0.0	0.0	-7.0	-5.7	0.0	0.0	-5.4	[illegible]	0.0	0.0	-6.3	[illegible]
3069	FABRICATED RUBBER PRODUCTS, N.E.C.	(3069)	13.2	13.7	18.7	18.8	8.6	8.6	11.1	11.2	[illegible]	[illegible]	7.7	[illegible]
3079	MISCELLANEOUS PLASTICS PRODUCTS	(3079)	15.6	8.0	18.9	18.3	11.3	[illegible]	13.7	13.3	7.9	2.9	8.2	.1
3101	PETROLEUM REFINING (2911) + LUBRICATING OILS & GREASES (2992) + PRODUCTS OF PETROLEUM & COAL, N.E.C.	(2999)	4.2	3.1	9.6	9.5	3.9	2.2	9.0	8.9	[illegible]	[illegible]	10.2	[illegible]
3111	LEATHER TANNING & FINISHING	(3111)	9.3	9.4	16.7	13.7	6.7	6.7	10.3	8.4	[illegible]	5.0	7.3	[illegible]
3121	INDUSTRIAL LEATHER BELTING	(3121)	9.6	9.6	11.2	11.4	6.5	6.5	7.2	7.4	4.6	4.6	4.9	3.1
3131	FOOTWEAR CUT STOCK	(3131)	8.8	8.8	7.5	8.9	5.5	5.5	2.4	4.2	3.9	3.9	1.2	[illegible]
3141	SHOES, EXCEPT RUBBER	(3141)	14.2	11.9	20.8	21.0	11.7	11.7	18.2	18.5	[illegible]	[illegible]	14.9	15.1
3142	HOUSE SLIPPERS	(3142)	11.3	11.3	11.4	11.6	11.2	11.2	14.5	14.7	.7	[illegible]	[illegible]	[illegible]
3151	LEATHER GLOVES & MITTENS	(3151)	22.6	23.2	81.5	81.5	28.1	28.1	146.0	[illegible]	[illegible]	[illegible]	346.4	[illegible]
3161	LUGGAGE	(3161)	30.6	22.9	65.2	72.2	18.1	18.1	41.1	34.4	[illegible]	13.8	23.0	[illegible]
3171	WOMEN'S HANDBAGS & PURSES	(3171)	23.4	21.8	43.1	49.4	17.3	17.3	25.5	33.3	[illegible]	14.2	25.3	[illegible]
3172	PERSONAL LEATHER GOODS	(3172)	19.4	19.5	30.0	32.6	14.7	14.7	22.3	24.1	11.6	11.6	17.7	[illegible]
3199	LEATHER GOODS, N.E.C.	(3199)	10.1	10.1	12.1	12.2	6.4	6.4	6.9	7.1	[illegible]	[illegible]	[illegible]	5.7
3221	GLASS CONTAINERS	(3221)	11.4	11.4	15.2	15.4	7.9	7.9	10.3	10.5	[illegible]	5.6	7.1	7.2
3241	CEMENT, HYDRAULIC	(3241)	2.9	2.9	3.7	3.9	1.3	1.3	1.5	1.5	[illegible]	[illegible]	0.1	0.1
3251	BRICK & STRUCTURAL CLAY TILE	(3251)	18.4	18.4	31.5	31.7	7.3	7.3	11.4	11.4	[illegible]	[illegible]	8.1	8.1
3253	CERAMIC WALL & FLOOR TILE	(3253)	20.7	20.7	32.5	32.7	21.1	21.1	35.2	[illegible]	21.2	21.2	36.6	36.7
3255	CLAY REFRACTORIES	(3255)	11.7	12.9	18.8	19.0	7.8	8.8	12.5	12.5	[illegible]	[illegible]	[illegible]	[illegible]
3259	STRUCTURAL CLAY PRODUCTS, N.E.C.	(3259)	12.9	12.9	18.2	18.4	8.8	8.8	11.1	10.9	[illegible]	[illegible]	[illegible]	[illegible]
3261	VITREOUS PLUMBING FIXTURES	(3261)	25.8	25.8	40.2	40.7	17.6	17.6	26.5	26.8	13.2	13.2	[illegible]	[illegible]
3262	VITREOUS CHINA FOOD UTENSILS	(3262)	41.4	42.4	67.3	67.9	33.8	33.8	54.2	54.3	[illegible]	[illegible]	44.7	[illegible]
3263	FINE EARTHENWARE FOOD UTENSILS	(3263)	27.0	28.5	48.0	46.0	19.6	19.6	33.8	[illegible]	[illegible]	16.2	27.8	[illegible]
3264	PORCELAIN ELECTRICAL SUPPLIES	(3264)	20.1	17.5	25.5	25.5	12.9	12.9	[illegible]	[illegible]	9.9	9.9	12.1	12.1
3269	POTTERY PRODUCTS, N.E.C.	(3269)	20.6	20.6	30.3	30.4	14.4	14.4	18.8	18.0	11.2	11.2	[illegible]	[illegible]
3271	CONCRETE BLOCK & BRICK	(3271)	19.5	19.5	46.8	47.3	13.1	13.1	30.4	30.8	[illegible]	9.7	[illegible]	[illegible]
3272	CONCRETE PRODUCTS, N.E.C.	(3272)	18.8	18.8	35.2	35.7	14.0	14.0	26.0	26.0	11.2	11.2	[illegible]	[illegible]
3273	READY-MIXED CONCRETE	(3273)	9.3	4.6	20.9	21.0	5.5	1.8	12.3	12.1	[illegible]	6.0	7.5	7.3
3274	LIME	(3274)	5.7	5.7	8.4	8.6	3.3	3.3	4.8	[illegible]	[illegible]	1.8	[illegible]	[illegible]
3275	GYPSUM PRODUCTS	(3275)	10.7	10.7	15.8	15.9	63.6	99.9	238.5	238.5	[illegible]	0.0	[illegible]	3.0
3281	CUT STONE & STONE PRODUCTS	(3281)	17.0	9.9	30.3	31.1	11.6	6.5	20.6	20.4	[illegible]	4.3	[illegible]	[illegible]
3291	ABRASIVE PRODUCTS	(3291)	6.5	3.3	6.3	8.3	4.6	2.1	4.6	5.7	4.1	1.9	2.7	[illegible]
3292	ASBESTOS PRODUCTS	(3292)	5.4	7.4	2.0	2.1	3.6	5.1	0.9	0.9	2.7	3.7	0.5	[illegible]
3293	GASKETS & INSULATIONS	(3293)	6.0	6.0	6.1	6.0	4.0	4.0	3.9	3.8	2.9	2.9	2.6	[illegible]
3295	MINERALS, GROUND OR TREATED	(3295)	11.2	11.2	27.0	28.2	3.4	3.4	-1.1	-1.0	[illegible]	4.9	7.5	7.5
3296	MINERAL WOOL	(3296)	15.1	13.9	17.6	18.9	7.5	9.2	8.2	[illegible]	[illegible]	6.9	6.1	6.7
3297	NONCLAY REFRACTORIES	(3297)	13.2	12.9	24.3	24.6	8.3	8.8	15.3	[illegible]	6.6	6.6	12.1	12.1
3299	NONMETALLIC MINERAL PRODUCTS, N.E.C.	(3299)	12.6	3.0	18.8	24.6	9.1	2.0	-3.0	[illegible]	6.8	1.4	11.5	[illegible]
3312	BLAST FURNACES & STEEL MILLS	(3312)	7.2	7.2	10.3	10.4	6.2	6.3	9.7	9.3	[illegible]	5.9	[illegible]	[illegible]
3313	ELECTROMETALLURGICAL PRODUCTS	(3313)	11.0	11.0	23.3	23.6	6.8	6.3	13.2	13.0	4.3	4.3	5.6	5.6
3315	STEEL WIRE & RELATED PRODUCTS	(3315)	7.7	8.3	9.9	10.3	4.3	4.3	2.8	3.1	[illegible]	[illegible]	2.3	[illegible]
3316	COLD FINISHING OF STEEL SHAPES	(3316)	9.5	9.3	18.1	18.7	9.1	9.1	19.7	20.1	[illegible]	[illegible]	[illegible]	[illegible]
3317	STEEL PIPE & TUBES	(3317)	7.8	6.7	10.8	11.2	7.6	7.6	12.2	12.4	7.6	7.6	13.1	[illegible]
3331	PRIMARY COPPER	(3331)	3.7	4.6	5.7	4.7	2.5	2.5	4.7	[illegible]	2.7	2.7	-0.1	-0.1
3332	PRIMARY LEAD	(3332)	1.2	0.6	-8.4	-7.2	2.7	3.1	-0.7	-1.6	[illegible]	4.2	2.7	1.5
3333	PRIMARY ZINC	(3333)	8.7	8.7	21.4	21.7	7.8	7.8	20.5	20.0	[illegible]	8.8	24.1	25.9
3334	PRIMARY ALUMINUM	(3334)	5.5	5.5	8.0	8.0	3.4	3.4	4.6	4.6	[illegible]	3.6	5.3	[illegible]
3339	PRIMARY NONFERROUS METALS, N.E.C.	(3339)	8.8	9.4	17.5	17.7	5.6	5.6	11.0	10.4	[illegible]	5.8	11.3	11.6
3341	SECONDARY NONFERROUS METALS	(3341)	9.6	10.1	28.3	32.9	5.9	5.9	15.8	8.9	6.2	6.2	16.4	[illegible]
3351	COPPER ROLLING & DRAWING	(3351)	10.7	11.2	39.6	38.1	7.9	7.9	28.6	26.3	6.0	6.0	17.7	17.0
3352	ALUMINUM ROLLING & DRAWING	(3352)	12.0	12.0	29.5	29.7	8.1	8.1	19.7	19.3	7.7	7.7	[illegible]	17.5
3356	NONFERROUS ROLLING & DRAWING, N.E.C.	(3356)	13.8	13.7	20.5	20.4	9.6	9.5	13.9	14.1	7.3	7.3	[illegible]	9.7

Table D-2.--U.S. effective tariffs using simple nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 -NOMINAL- NO	1965 -NOMINAL- NI	1965 -EFFECTIVE- EO	1965 -EFFECTIVE- EI	1970 -NOMINAL- NO	1970 -NOMINAL- NI	1970 -EFFECTIVE- EO	1970 -EFFECTIVE- EI	PKR -NOMINAL- NO	PKR -NOMINAL- NI	PKR -EFFECTIVE- EO	PKR -EFFECTIVE- EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
3361	ALUMINUM CASTINGS----------(3361)----	13.8	5.2	31.8	32.8	10.0	3.9	22.6	22.7	7.5	1.9	14.8	14.9
3362	BRASS, BRONZE, & COPPER CASTINGS----(3362)----	12.1	14.0	28.1	28.2	8.9	8.9	20.2	19.1	6.6	6.5	13.3	13.0
3369	NONFERROUS CASTINGS, N.E.C.----------(3369)----	11.9	10.8	20.7	21.5	9.0	9.0	15.1	15.1	6.5	6.5	8.7	8.7
3391	IRON & STEEL FORGINGS----------(3391)----	4.9	4.3	3.4	3.7	3.2	2.1	0.8	0.9	3.6	6.6	2.3	2.3
3392	NONFERROUS FORGINGS----------(3392)----	9.0	9.0	10.9	11.1	6.8	6.8	8.9	9.0	6.4	6.4	9.5	9.5
3399	PRIMARY METAL PRODUCTS, N.E.C.-------(3399)----	8.5	9.3	10.8	10.9	7.8	7.9	10.6	10.7	6.1	6.1	8.0	8.0
3411	METAL CANS----------(3411)----	13.5	13.5	30.1	31.2	9.3	9.3	17.9	18.6	6.9	6.9	11.3	11.9
3421	CUTLERY----------(3421)----	31.9	32.7	91.7	92.8	22.9	22.9	59.7	60.8	17.6	17.6	43.0	43.6
3423	HAND & EDGE TOOLS, N.E.C.----------(3423)----	13.0	13.0	17.1	17.5	9.2	9.2	11.7	11.9	6.8	6.8	8.2	8.3
3425	HAND SAWS & SAW BLADES----------(3425)----	11.5	12.4	16.5	17.2	7.8	7.8	10.4	10.9	5.8	5.8	7.3	7.6
3429	HARDWARE, N.E.C.----------(3429)----	20.7	21.1	34.5	34.8	13.2	13.2	20.3	20.4	9.8	9.8	14.3	14.4
3431	METAL SANITARY WARE----------(3431)----	25.6	25.6	56.0	56.7	17.6	17.6	35.5	35.4	13.0	13.0	24.7	24.7
3432	PLUMBING FITTINGS & BRASS GOODS-----(3432)----	15.2	15.2	36.3	35.9	10.6	10.6	23.7	23.4	7.5	7.5	14.9	14.7
3433	HEATING EQUIPMENT, EXCEPT ELECTRIC--(3433)----	12.2	12.2	17.3	17.9	8.4	8.4	11.4	11.5	6.1	6.1	7.4	7.5
3441	FABRICATED STRUCTURAL STEEL---------(3441)----	10.7	7.4	17.8	18.6	7.5	7.5	10.9	11.3	5.7	7.1	9.5	9.8
3442	METAL DOORS, SASH, & TRIM----------(3442)----	10.7	10.7	12.6	13.2	8.0	8.0	10.1	10.5	7.1	7.1	9.2	9.6
3443	FABRICATED PLATE WORK (BOILER SHOPS)----------(3443)----	10.9	10.9	18.5	19.0	8.0	8.0	12.9	13.1	6.5	6.5	9.8	10.0
3444	SHEET METALWORK----------(3444)----	11.7	11.7	18.2	18.8	7.2	7.2	9.6	9.9	5.8	5.8	7.1	7.3
3446	ARCHITECTURAL METALWORK----------(3446)----	11.7	11.7	16.5	17.1	7.2	7.2	9.0	9.3	5.8	5.8	6.9	7.1
3449	MISCELLANEOUS METALWORK----------(3449)----	11.7	11.7	20.9	21.4	7.2	7.2	10.1	10.4	5.8	5.8	7.2	7.4
3461	METAL STAMPINGS----------(3461)----	7.3	6.9	7.2	7.6	4.7	4.7	3.5	3.7	4.5	3.5	1.8	1.9
3471	PLATING & POLISHING----------(3471)----	8.5	8.6	10.4	10.7	8.7	8.7	11.9	12.2	7.8	7.8	10.9	11.0
3479	METAL COATING & ALLIED SERVICES-----(3479)----	8.5	8.6	10.3	12.7	8.7	8.7	12.5	14.2	7.8	7.8	11.9	13.1
3481	MISCELLANEOUS FABRICATED WIRE PRODUCTS----------(3481)----	13.9	13.7	24.4	25.0	9.3	9.3	14.3	14.5	6.8	6.8	9.0	9.2
3491	METAL BARRELS, DRUMS, & PAILS-------(3491)----	13.5	13.5	31.8	34.6	9.3	9.3	19.2	20.6	6.9	6.9	12.2	13.2
3492	SAFES & VAULTS----------(3492)----	17.5	17.5	29.5	30.1	12.3	12.3	20.0	20.5	9.0	9.0	13.4	13.8
3493	STEEL SPRINGS----------(3493)----	10.0	12.0	15.0	15.2	4.0	4.0	2.4	2.5	2.9	2.9	0.6	0.7
3496	COLLAPSIBLE TUBES----------(3496)----	11.1	11.1	17.1	23.2	7.5	7.5	10.2	14.5	5.7	5.7	7.4	10.2
3497	METAL FOIL & LEAF----------(3497)----	55.3	58.7	885.9	912.3	9.1	9.1	14.3	14.8	5.6	5.6	5.5	5.7
3499	FABRICATED METAL PRODUCTS, N.E.C.---(3499)----	12.0	15.2	17.3	17.7	9.1	8.2	12.8	13.1	6.7	6.6	9.7	9.9
3501	FLAT GLASS----------(3211)-+ PRESSED & BLOWN GLASS & GLASSWARE, + N.E.C.----------(3229)-+ GLASS PRODUCTS, MADE OF PURCHASED + GLASS----------(3231)----	21.2	19.2	32.4	33.9	14.3	13.8	20.9	21.7	10.9	9.8	14.0	14.7
3511	STEAM ENGINES & TURBINES----------(3511)----	14.9	14.9	23.8	22.8	18.0	18.0	32.3	32.0	8.3	8.3	8.3	8.1
3519	INTERNAL COMBUSTION ENGINES, N.E.C.----------(3519)----	7.1	7.1	6.3	6.8	4.0	4.0	2.1	2.1	2.4	2.9	1.0	1.5
3522	FARM MACHINERY----------(3522)----	2.1	2.1	-3.3	-6.0	1.4	1.4	-4.9	-5.0	0.9	0.9	-4.7	-4.9
3531	CONSTRUCTION MACHINERY----------(3531)----	10.8	11.1	15.2	15.3	7.4	7.4	9.7	9.5	5.4	5.4	6.3	6.3
3532	MINING MACHINERY----------(3532)----	12.0	12.8	15.9	15.9	8.6	8.6	10.9	10.8	6.2	6.2	7.2	7.2
3533	OIL FIELD MACHINERY----------(3533)----	18.6	27.7	30.2	28.9	11.1	11.1	16.1	16.0	7.9	7.9	10.6	10.6
3534	ELEVATORS & MOVING STAIRWAYS---------(3534)----	10.0	10.0	12.5	13.1	6.8	6.8	8.0	8.4	4.8	4.8	5.1	5.3
3535	CONVEYERS & CONVEYING EQUIPMENT-----(3535)----	10.1	10.1	11.5	11.7	6.8	6.8	7.1	7.1	4.8	4.8	4.3	4.3
3536	HOISTS, CRANES, & MONORAILS---------(3536)----	5.1	0.0	0.5	1.0	4.5	4.5	1.6	1.6	3.2	3.2	0.3	0.1
3537	INDUSTRIAL TRUCKS & TRACTORS--------(3537)----	7.6	7.6	4.2	8.4	6.6	6.6	2.4	6.3	4.5	4.5	4.7	6.5
3541	MACHINE TOOLS, METAL CUTTING TYPES--(3541)----	13.6	13.6	17.7	19.9	9.2	9.2	12.1	11.8	6.6	6.6	8.1	7.7
3542	MACHINE TOOLS, METAL FORMING TYPES--(3542)----	13.4	13.4	17.3	19.4	9.6	9.6	13.0	12.8	7.1	7.1	9.0	8.7
3548	METALWORKING MACHINERY, N.E.C.------(3548)----	12.4	12.4	15.3	16.7	8.4	8.4	10.1	10.2	6.1	6.1	6.8	6.7
3551	FOOD PRODUCTS MACHINERY----------(3551)----	10.2	10.2	13.4	12.5	7.0	7.0	8.1	8.0	5.0	5.0	5.3	5.2
3552	TEXTILE MACHINERY----------(3552)----	14.8	14.8	23.6	23.9	9.9	9.9	14.6	14.5	7.0	7.0	9.6	9.3
3553	WOODWORKING MACHINERY----------(3553)----	8.9	8.9	10.9	11.3	6.1	6.1	7.1	7.2	5.0	5.0	5.8	5.8
3554	PAPER INDUSTRIES MACHINERY----------(3554)----	10.7	10.7	14.8	15.1	7.2	7.2	9.2	8.9	5.4	5.4	6.3	6.0
3555	PRINTING TRADES MACHINERY----------(3555)----	10.2	10.2	12.4	12.4	8.9	8.9	11.3	11.3	4.9	4.9	6.1	6.1
3559	SPECIAL INDUSTRY MACHINERY, N.E.C.--(3559)----	6.8	6.8	5.6	5.8	4.5	4.5	2.9	2.8	3.4	3.4	1.9	1.7
3561	PUMPS & COMPRESSORS----------(3561)----	8.2	7.9	7.6	7.6	4.6	4.6	2.5	2.3	3.3	3.3	1.3	0.9
3562	BALL & ROLLER BEARINGS----------(3562)----	12.6	11.8	17.9	18.2	9.0	9.0	12.1	12.1	6.6	6.6	8.3	8.1
3564	BLOWERS & FANS----------(3564)----	6.7	6.7	4.8	5.0	4.6	4.6	2.9	2.9	3.4	3.4	1.7	1.7
3565	INDUSTRIAL PATTERNS----------(3565)----	10.2	10.2	11.7	12.3	6.5	6.5	7.1	7.6	5.8	5.8	6.6	7.0
3566	POWER TRANSMISSION EQUIPMENT--------(3566)----	18.8	18.8	31.0	30.8	12.1	12.1	18.4	18.1	9.0	9.0	13.1	12.5
3567	INDUSTRIAL FURNACES & OVENS---------(3567)----	12.9	12.9	16.9	17.2	8.5	8.5	10.3	10.1	6.3	6.3	7.1	6.9
3569	GENERAL INDUSTRIAL MACHINERY, N.E.C.----------(3569)----	9.8	9.8	11.1	11.4	5.7	5.7	5.3	5.3	4.2	4.2	3.5	3.5
3571	ELECTRONIC COMPUTING EQUIPMENT------(3573)-+ CALCULATING & ACCOUNTING MACHINES, + EXCEPT ELECTRONIC COMPUTING + EQUIPMENT----------(3574)----	11.3	11.4	12.8	12.8	7.5	7.5	8.4	8.4	5.3	5.3	5.7	5.7
3572	TYPEWRITERS----------(3572)----	5.9	5.9	5.3	6.0	4.1	4.1	3.4	4.0	2.9	2.9	2.3	2.7
3576	SCALES & BALANCES----------(3576)----	9.0	9.0	10.4	11.6	6.3	6.3	6.6	7.4	4.5	4.5	4.1	4.7
3579	OFFICE MACHINES, N.E.C.----------(3579)----	11.3	11.3	14.3	14.9	7.7	7.7	9.3	9.7	5.6	5.6	6.5	6.7
3581	AUTOMATIC MERCHANDISING MACHINES----(3581)----	11.1	11.1	14.4	15.3	7.7	7.7	9.7	10.2	5.3	5.3	6.8	7.1
3582	COMMERCIAL LAUNDRY EQUIPMENT--------(3582)----	11.9	11.1	14.8	17.4	9.0	9.0	11.6	13.5	6.4	6.4	7.4	8.9
3585	REFRIGERATION MACHINERY----------(3585)----	8.3	8.3	6.7	7.1	4.6	4.6	1.6	1.7	3.3	3.3	0.4	0.5
3586	MEASURING & DISPENSING PUMPS--------(3586)----	9.5	9.5	12.0	14.1	6.8	6.8	9.5	10.2	4.8	4.8	5.5	6.1
3589	SERVICE INDUSTRY MACHINES, N.E.C.---(3589)----	10.9	10.7	12.6	13.1	7.9	7.9	9.1	9.2	5.6	5.6	6.0	6.0
3599	MISCELLANEOUS MACHINERY, EXCEPT ELECTRICAL----------(3599)----	4.7	3.5	3.3	3.7	2.9	2.9	1.3	1.3	2.7	2.7	1.6	1.5
3611	ELECTRIC MEASURING INSTRUMENTS------(3611)----	26.2	48.0	44.6	43.2	16.7	16.7	26.0	26.2	11.8	11.8	17.6	17.7
3612	TRANSFORMERS----------(3612)----	10.7	7.6	13.6	14.0	7.3	7.3	9.0	9.1	5.8	5.8	6.7	6.7
3613	SWITCHGEAR & SWITCHBOARD APPARATUS--(3613)----	15.5	15.5	20.3	22.5	11.5	11.5	16.1	16.7	8.2	8.2	10.9	11.2
3621	MOTORS & GENERATORS----------(3621)----	14.8	14.8	21.2	21.6	11.1	11.1	16.1	16.3	8.5	8.5	11.9	11.9
3622	INDUSTRIAL CONTROLS----------(3622)----	10.5	10.5	11.3	11.6	9.2	9.2	10.5	10.7	6.8	6.8	7.6	7.7
3623	WELDING APPARATUS----------(3623)----	8.7	8.7	8.8	8.9	5.9	5.9	5.5	5.5	4.3	4.3	3.5	3.6
3624	CARBON & GRAPHITE PRODUCTS----------(3624)----	8.4	8.4	9.5	9.4	5.6	5.6	5.7	5.8	4.2	4.2	4.1	4.1
3629	ELECTRICAL INDUSTRIAL APPARATUS, N.E.C.----------(3629)----	9.6	9.6	9.7	10.0	9.1	9.1	11.7	11.7	7.4	7.4	9.6	9.6
3631	HOUSEHOLD COOKING EQUIPMENT---------(3631)----	12.1	12.1	15.2	16.2	8.2	8.2	9.8	10.2	6.0	6.0	6.3	6.6
3632	HOUSEHOLD REFRIGERATORS & FREEZERS----------(3632)----	9.8	0.0	10.1	11.6	6.8	6.8	6.9	7.8	4.8	4.8	4.1	4.6
3633	HOUSEHOLD LAUNDRY EQUIPMENT---------(3633)----	13.5	0.0	21.8	23.9	9.2	9.2	13.7	14.6	6.8	6.8	9.3	9.9
3634	ELECTRIC HOUSEWARES & FANS----------(3634)----	13.3	13.3	24.6	26.7	9.2	9.2	16.6	18.0	6.3	6.3	9.5	10.3
3635	HOUSEHOLD VACUUM CLEANERS-----------(3635)----	13.3	13.2	17.9	18.3	9.2	9.2	12.2	12.7	6.6	6.3	7.6	8.0
3636	SEWING MACHINES----------(3636)----	11.5	11.5	14.2	16.4	8.0	8.0	11.0	11.0	5.7	5.7	7.5	7.6
3639	HOUSEHOLD APPLIANCES, N.E.C.---------(3639)----	12.3	13.2	16.0	16.7	8.7	8.7	10.7	11.1	6.2	6.2	6.8	7.0

Table D-2,--U.S. effective tariffs using simple nominal tariff averages--Cont.

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 -NOMINAL- NO	1965 -NOMINAL- NI	1965 -EFFECTIVE- NO	1965 -EFFECTIVE- EI	1970 -NOMINAL- NO	1970 -NOMINAL- NI	1970 -EFFECTIVE- NO	1970 -EFFECTIVE- EI	PKR -NOMINAL- NO	PKR -NOMINAL- NI	PKR -EFFECTIVE- ED	PKR -EFFECTIVE- EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
3642	LIGHTING FIXTURES----------(3642)----	15.6	14.1	27.	30.2	13.9	13.9	27.6	29.3	12.	12.	26.	27.3
3651	RADIO & TELEVISION RECEIVING SETS---(3651)----	8.9	6.8	6.	7.3	6.5	6.5	6.	6.	6.	6.	6.	6.7
3652	PHONOGRAPH RECORDS----------(3652)----	4.1	4.1	0.	-0.8	2.6	2.6	-0.	-1.2	1.7	1.7	-0.	-1.7
3661	TELEPHONE & TELEGRAPH APPARATUS-----(3661)----	10.9	10.9	12.	12.2	7.3	7.3	8.	8.1	6.	6.	6.	6.
3662	RADIO & TELEVISION COMMUNICATION EQUIPMENT----------(3662)----	5.6	5.6	3.	2.9	5.9	5.5	5.	5.	4.	4.	4.	4.
3674	SEMICONDUCTORS----------(3674)----	13.2	13.2	17.	17.8	8.6	8.6	10.	11.0	6.	6.	7.	7.6
3679	ELECTRONIC COMPONENTS, N.E.C.--------(3679)----	12.0	12.0	15.	16.3	7.7	7.7	9.	9.8	6.	6.	7.	7.6
3691	STORAGE BATTERIES----------(3691)----	10.2	10.2	15.	16.2	4.4	4.4	8.	8.5	3.	3.	7.	8.4
3692	PRIMARY BATTERIES, DRY & WET--------(3692)----	16.8	16.8	21.	21.9	11.6	11.6	14.	14.	9.	9.	13.	13.
3693	X-RAY APPARATUS & TUBES----------(3693)----	5.6	5.6	3.	3.6	3.6	3.6	2.	2.	1.	1.	1.	1.
3694	ENGINE ELECTRICAL EQUIPMENT---------(3694)----	6.1	6.1	3.	3.7	3.9	3.9	1.	1.	1.	1.	1.	1.
3699	ELECTRICAL EQUIPMENT, N.E.C.--------(3699)----	9.0	9.0	8.	8.2	7.4	7.4	9.	9.	6.	6.	8.	7.
3702	GRAY IRON FOUNDRIES----------(3321)-+												
	MALLEABLE IRON FOUNDRIES----------(3322)-+												
	STEEL FOUNDRIES----------(3323)----	9.0	11.1	12.	12.8	7.5	10.	10.	10.4	6.	10.	9.	9.
3713	TRUCK & BUS BODIES----------(3713)----	4.2	4.2	-0.	0.5	2.5	2.	-1.	-1.0	1.	1.	-1.	-1.7
3715	TRUCK TRAILERS----------(3715)----	5.9	5.9	3.	4.5	7.4	7.	12.	13.1	4.	4.	10.	10.
3717	MOTOR VEHICLES----------(3711)-+												
	MOTOR VEHICLE PARTS & ACCESSORIES---(3714)----	6.3	3.5	3.	7.8	2.	2.9	-0.	-0.4	2.	2.	-1.	-1.
3721	AIRCRAFT----------(3721)----	8.0	8.0	9.	10.2	6.1	6.1	7.	7.	4.	4.	5.	5.
3722	AIRCRAFT ENGINES & ENGINE PARTS-----(3722)----	8.0	7.9	10.	10.7	5.	5.	5.	5.7	4.	4.	5.	5.
3723	AIRCRAFT PROPELLERS & PARTS---------(3723)----	2.3	2.3	-2.	-1.0	2.	2.	0.	0.	5.	5.	5.	6.
3729	AIRCRAFT EQUIPMENT, N.E.C.----------(3729)----	2.3	2.3	-0.	-0.1	2.	2.	1.	1.	5.	5.	5.	5.
3731	SHIPBUILDING & REPAIRING----------(3731)----	9.2	9.2	9.	9.9	7.3	7.3	8.	8.	6.	6.	6.	6.
3732	BOATBUILDING & REPAIRING----------(3732)----	9.4	9.4	9.	11.4	7.	7.4	8.	9.	6.	6.	6.	8.
3741	LOCOMOTIVES & PARTS----------(3741)----	25.6	25.6	55.	55.2	18.2	18.2	37.	36.	13.	13.	24.	24.
3742	RAILROAD & STREET CARS----------(3742)----	13.3	13.3	25.	25.2	11.	11.	22.	21.	9.	9.	17.	17.
3751	MOTORCYCLES, BICYCLES, & PARTS------(3751)----	21.4	21.2	59.	60.0	14.	14.	36.	36.	10.	10.	23.	23.
3791	TRAILER COACHES----------(3791)----	5.9	5.9	-4.	-1.3	7.9	7.9	9.	11.	6.	6.	10.	10.
3799	TRANSPORTATION EQUIPMENT, N.E.C.----(3799)----	3.0	4.0	-3.	-4.0	3.1	3.1	0.	0.	2.	2.	0.	0.
3811	ENGINEERING & SCIENTIFIC INSTRUMENTS----------(3811)----	16.5	16.7	23.	22.9	10.	10.	14.	14.	9.	9.	14.	14.
3821	MECHANICAL MEASURING DEVICES---------(3821)----	28.2	24.6	54.	55.0	18.	18.	33.	33.	13.	13.	23.	23.
3822	AUTOMATIC TEMPERATURE CONTROLS-------(3822)----	30.4	30.4	57.	58.4	21.	21.	37.	37.	15.	15.	26.	26.
3831	OPTICAL INSTRUMENTS & LENSES---------(3831)----	27.7	28.6	47.	47.3	21.	21.	35.	36.	16.	16.	26.	27.
3841	SURGICAL & MEDICAL INSTRUMENTS-------(3841)----	21.0	21.0	38.	40.3	15.	15.	27.	29.	11.	11.	19.	20.
3842	SURGICAL APPLIANCES & SUPPLIES-------(3842)----	13.5	13.5	17.	16.9	8.	8.	9.	9.	6.	6.	7.	7.
3843	DENTAL EQUIPMENT & SUPPLIES----------(3843)----	17.4	17.4	27.	28.2	12.	12.	19.	19.	9.	9.	13.	13.
3851	OPHTHALMIC GOODS----------(3851)----	22.0	21.7	36.	37.	17.	17.	28.	29.	14.	14.	23.	24.
3861	PHOTOGRAPHIC EQUIPMENT & SUPPLIES---(3861)----	14.6	15.4	18.	18.4	10.	10.	13.	13.	7.	7.	9.	10.
3871	WATCHES & CLOCKS----------(3871)----	30.0	30.2	52.	52.6	19.	19.	31.	32.	13.	13.	21.	21.
3872	WATCHCASES----------(3872)----	36.0	38.0	96.	100.2	26.	26.	50.	61.	1.	1.	39.	39.
3911	JEWELRY, PRECIOUS METAL----------(3911)----	34.6	32.6	86.	89.6	24.	24.	54.	56.	17.	17.	36.	37.
3912	JEWELERS' FINDINGS & MATERIALS------(3912)----	39.5	33.5	145.	145.9	27.	27.	81.	86.	19.	19.	51.	51.
3913	LAPIDARY WORK----------(3913)----	11.2	12.1	39.	41.4	7.	8.	23.	25.	5.	5.	14.	15.
3914	SILVERWARE & PLATED WARE----------(3914)----	28.	24.9	82.	88.1	16.	16.	37.	38.	12.	12.	25.	26.
3931	MUSICAL INSTRUMENTS & PARTS---------(3931)----	15.	15.8	21.	22.3	10.	10.	14.	14.	7.	7.	10.	10.
3941	GAMES & TOYS----------(3941)----	27.0	27.0	65.	69.4	18.	18.	40.	41.	13.	13.	28.	27.
3942	DOLLS----------(3942)----	28.	28.3	51.	53.2	20.	20.	34.	36.	14.	14.	24.	27.
3943	CHILDREN'S VEHICLES, EXCEPT BICYCLES----------(3943)----	12.	13.1	22.	23.3	8.	9.	14.	15.	6.	6.	9.	10.
3949	SPORTING & ATHLETIC GOODS, N.E.C.---(3949)----	15.	15.4	22.	24.0	11.	11.	16.	17.	8.	8.	12.	13.
3951	PENS & MECHANICAL PENCILS----------(3951)----	35.	35.2	63.	61.9	20.	20.	32.	32.	14.	14.	25.	24.
3952	LEAD PENCILS & ART GOODS----------(3952)----	13.	13.3	20.	21.7	11.	11.	19.	21.	7.	7.	13.	11.
3953	MARKING DEVICES----------(3953)----	18.	18.4	28.	28.1	18.	18.	30.	30.	13.	13.	21.	22.
3955	CARBON PAPER & INKED RIBBONS--------(3955)----	6.	6.9	5.	6.1	4.	4.	2.	2.	3.	3.	1.	1.
3961	COSTUME JEWELRY----------(3961)----	27.	27.7	50.	54.4	21.	19.	41.	40.	16.	13.	30.	32.
3962	FEATHERS, PLUMES & ARTIFICIAL FLOWERS----------(3962)----	18.	17.6	38.	39.5	13.	13.	26.	25.	11.	11.	22.	21.
3963	BUTTONS----------(3963)----	17.	17.3	23.	23.0	15.	15.	21.	21.	11.	11.	16.	16.
3964	NEEDLES, PINS, & FASTENERS----------(3964)----	29.	30.3	55.	54.3	19.	19.	33.	33.	15.	15.	25.	25.
3991	BROOMS & BRUSHES----------(3991)----	22.	21.3	46.	49.1	28.	28.	53.	56.	12.	12.	27.	27.
3996	HARD SURFACE FLOOR COVERINGS--------(3996)----	13.	13.9	19.	20.3	7.	7.	7.	8.	5.	5.	7.	8.
3963	MATCHES (SIC 3999 IN 1967)----------(3963)----	9.	9.2	12.	13.5	6.	6.	8.	9.	7.	7.	10.	10.
3984	CANDLES (SIC 3999 IN 1967)----------(3984)----	18.	18.4	43.	42.7	12.	12.	28.	27.	9.	9.	19.	19.
3987	LAMP SHADES (SIC 3999 IN 1967)-------(3987)----	0.	0.0	-13.	-13.4	15.	15.	28.	28.	13.	13.	25.	25.
3988	MORTICIANS' GOODS----------(3994)----	16.	16.1	24.	25.6	11.	11.	16.	17.	8.	8.	11.	11.
3993	SIGNS & ADVERTISING DISPLAY---------(3993)----	17.	17.5	30.	31.8	6.	6.	6.	6.	4.	4.	4.	4.
3995	UMBRELLAS, PARASOLS & CANES (SIC 3999 IN 1967)----------(3995)----	21.	21.6	143.	155.5	18.	18.	116.	124.	17.	17.	106.	114.
3999	MANUFACTURES, N.E.C.----------(3999)----	21.	14.3	34.	36.7	15.	9.	23.	26.	13.	7.	17.	19.
4101	SCREW MACHINE PRODUCTS----------(3451)-+												
	BOLTS, NUTS, SCREWS, RIVETS, & WASHERS----------(3452)----	12.	12.1	18.	18.4	8.	8.	11.	12.	6.	6.	9.	9.
4208	VALVES & PIPE FITTINGS----------(3494)-+												
	FABRICATED PIPE & FABRICATED PIPE FITTINGS----------(3498)----	12.	10.6	18.	18.0	7.	6.	9.	9.	6.	5.	7.	7.
4703	SPECIAL DIES & TOOLS, DIE SETS------(3544)-+												
	MACHINE TOOL ACCESSORIES & MEASURING DEVICES----------(3545)----	15.	14.	21.	21.9	13.	13.	19.	19.	10.	10.	14.	14.
5503	CURRENT-CARRYING WIRING DEVICES-----(3643)-+												
	NONCURRENT-CARRYING WIRING DEVICES--(3644)----	29.	29.1	64.	65.4	18.	18.	35.	36.	13.	13.	24.	24.
5701	RADIO & TELEVISION TYPE ELECTRON TUBES, EXCEPT CATHODE RAY----------(3671)-+												
	CATHODE RAY PICTURE TUBES----------(3672)-+												
	TRANSMITTING, INDUSTRIAL & SPECIAL PURPOSE ELECTRON TUBES----------(3673)----	12.	12.	13.	14.	10.	10.	13.	13.	8.	8.	10.	10.
6501	RAILROAD & RELATED SERVICES----------(6501)----	0.	0.	-0.	-1.	0.	0.	-0.	-0.	0.	0.	-0.	-0.
6502	LOCAL, SUBURBAN & INTERURBAN HIGHWAY PASSENGER TRANSPORTATION----(6502)----	0.	0.	-0.	-0.	0.	0.	-0.	-0.	0.	0.	-0.	-0.
6503	MOTOR FREIGHT TRANSPORTATION & WAREHOUSING----------(6503)----	0.	0.	-0.	-0.	0.	0.	-0.	-0.	0.	0.	-0.	-0.
6504	WATER TRANSPORTATION----------(6504)----	0.	0.	-2.	-2.	0.	0.	-1.	-1.	0.	0.	-1.	-1.
6505	AIR TRANSPORTATION----------(6505)----	0.	0.	-1.	-1.	0.	0.	-1.	-1.	0.	0.	-1.	-1.
6506	PIPE LINE TRANSPORTATION----------(6506)----	0.	0.	-0.	-0.	0.	0.	-0.	-0.	0.	0.	-0.	-0.
6507	TRANSPORTATION SERVICES----------(6507)----	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

Table D-2.--U.S. effective tariffs using simple nominal tariff averages--Cont

IO-SIC	SECTOR DESCRIPTION (PURE SIC)	1965 -NOMINAL- NO	1965 -NOMINAL- NI	1965 -EFFECTIVE- EO	1965 -EFFECTIVE- EI	1970 -NOMINAL- NO	1970 -NOMINAL- NI	1970 -EFFECTIVE- EO	1970 -EFFECTIVE- EI	PER -NOMINAL- NO	PER -NOMINAL- NI	PER -EFFECTIVE- EO	PER -EFFECTIVE- EI
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
6600	COMMUNICATIONS, EXCEPT RADIO & TELEVISION----------(6600)----	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.1	-0.1
6700	RADIO & TELEVISION BROADCASTING-----(6700)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.0	-0.0	0.0	0.0	-0.0	-0.0
6801	ELECTRIC UTILITIES----------(6801)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1
6802	GAS UTILITIES----------(6802)----	0.0	0.0	-0.5	-0.4	0.0	0.0	-0.5	-0.4	0.0	0.0	-0.3	-0.3
6803	WATER & SANITARY SERVICES----------(6803)----	0.0	0.0	-0.7	-0.7	0.0	0.0	-0.5	-0.5	0.0	0.0	-0.5	-0.5
6901	WHOLESALE TRADE----------(6901)----	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2
6902	RETAIL TRADE----------(6902)----	0.0	0.0	-0.4	-0.4	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.2	-0.2
7001	BANKING----------(7001)----	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2
7002	CREDIT AGENCIES----------(7002)----	0.0	0.0	3.3	3.3	0.0	0.0	2.4	2.4	0.0	0.0	1.7	1.7
7003	SECURITY & COMMODITY BROKERS--------(7003)----	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.1	-0.1
7004	INSURANCE CARRIERS----------(7004)----	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.2	-0.2
7005	INSURANCE AGENTS & BROKERS----------(7005)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1
7101	OWNER OCCUPIED DWELLINGS----------(7101)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7102	REAL ESTATE----------(7102)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7201	HOTELS & LODGING PLACES----------(7201)----	0.0	0.0	-0.5	-0.4	0.0	0.0	-0.5	-0.4	0.0	0.0	-0.3	-0.3
7202	PERSONAL & REPAIR SERVICES, EXCEPT AUTO REPAIR, BARBER, & BEAUTY SHOPS----------(7202)----	0.0	0.0	-4.9	-4.7	0.0	0.0	-3.5	-3.4	0.0	0.0	-3.0	-2.9
7203	BARBER & BEAUTY SHOPS----------(7203)----	0.0	0.0	-1.0	-1.0	0.0	0.0	-0.8	-0.7	0.0	0.0	-0.6	-0.6
7301	MISCELLANEOUS BUSINESS SERVICES-----(7301)----	0.0	0.0	-1.9	-1.9	0.0	0.0	-1.4	-1.4	0.0	0.0	-1.1	-1.1
7302	ADVERTISING----------(7302)----	0.0	0.0	-0.6	-0.6	0.0	0.0	-0.4	-0.4	0.0	0.0	-0.3	-0.3
7303	MISCELLANEOUS PROFESSIONAL SERVICES----------(7303)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1
7500	AUTOMOBILE REPAIR & SERVICES--------(7500)----	0.0	0.0	-2.0	-2.0	0.0	0.0	-1.5	-1.5	0.0	0.0	-1.2	-1.2
7601	MOTION PICTURES----------(7601)----	0.0	0.0	-1.9	-1.9	0.0	0.0	-1.5	-1.4	0.0	0.0	-1.1	-1.1
7602	AMUSEMENT & RECREATION SERVICES-----(7602)----	0.0	0.0	-0.5	-0.5	0.0	0.0	-0.4	-0.4	0.0	0.0	-0.3	-0.3
7701	DOCTORS & DENTISTS----------(7701)----	0.0	0.0	-0.5	-0.5	0.0	0.0	-0.4	-0.4	0.0	0.0	-0.3	-0.3
7702	HOSPITALS----------(7702)----	0.0	0.0	-2.1	-2.1	0.0	0.0	-1.7	-1.7	0.0	0.0	-1.3	-1.3
7703	OTHER MEDICAL & HEALTH SERVICES-----(7703)----	0.0	0.0	-1.9	-1.9	0.0	0.0	-1.4	-1.4	0.0	0.0	-1.1	-1.1
7704	EDUCATIONAL SERVICES----------(7704)----	0.0	0.0	-0.6	-0.6	0.0	0.0	-0.4	-0.4	0.0	0.0	-0.3	-0.3
7705	NONPROFIT ORGANIZATIONS----------(7705)----	0.0	0.0	-0.3	-0.3	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2
7801	POST OFFICE----------(7801)----	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2
7802	FEDERAL ELECTRIC UTILITIES----------(7802)----	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.2	-0.2	0.0	0.0	-0.1	-0.1
7803	COMMODITY CREDIT CORPORATION--------(7803)----	0.0	0.0	4.5	4.5	0.0	0.0	4.0	4.1	0.1	0.1	3.2	3.2
7804	OTHER FEDERAL GOVERNMENT ENTERPRISES----------(7804)----	0.0	0.0	-1.1	-0.9	0.0	0.0	-1.0	-0.7	0.0	0.0	-0.8	-0.6
7901	LOCAL GOVERNMENT PASSENGER TRANSIT----------(7901)----	0.0	0.0	-0.9	-0.9	0.0	0.0	-0.7	-0.7	0.0	0.0	-0.6	-0.6
7902	STATE & LOCAL ELECTRIC UTILITIES----(7902)----	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1
7903	OTHER STATE & LOCAL GOVERNMENT ENTERPRISES----------(7903)----	0.0	0.0	-47.7	-47.7	0.0	0.0	-47.7	-47.7	0.0	0.0	-47.7	-47.7
8001	DIRECTLY ALLOCATED IMPORTS----------(8001)----	2.4	0.0	0.0	0.0	2.3	0.0	0.0	0.0	2.3	0.0	0.0	0.0
8002	TRANSFERRED IMPORTS----------(8002)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8100	BUSINESS TRAVEL, ENTERTAINMENT & GIFTS----------(8100)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8200	OFFICE SUPPLIES----------(8200)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8300	SCRAP, USED & SECONDHAND GOODS------(8300)----	5.2	3.9	0.0	0.0	3.2	2.7	0.0	0.0	2.5	2.3	0.0	0.0
8400	GOVERNMENT INDUSTRY----------(8400)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8500	REST OF WORLD INDUSTRY----------(8500)----	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8600	HOUSEHOLD INDUSTRY----------(8600)----	0.0	0.0	9999.0	9999.9	0.0	0.0	9999.9	9999.9	0.0	0.0	9999.9	9999.9

SPEARMAN RANK CORRELATION MATRIX

	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
(2)	******	0.953	0.957	0.959	0.960	0.937	0.892	0.894	0.928	0.894	0.860	0.862
(3)	68.829	******	0.903	0.902	0.913	0.933	0.855	0.856	0.883	0.893	0.823	0.825
(4)	58.715	45.889	******	0.998	0.893	0.872	0.921	0.917	0.867	0.835	0.839	0.900
(5)	59.311	45.462	******	******	0.893	0.872	0.918	0.917	0.866	0.835	0.841	0.904
(6)	74.476	46.850	43.223	43.328	******	0.975	0.938	0.939	0.950	0.911	0.874	0.884
(7)	58.395	56.529	38.827	38.814	95.073	******	0.920	0.921	0.929	0.940	0.863	0.866
(8)	43.002	35.946	51.405	50.647	59.143	51.177	******	0.997	0.889	0.855	0.927	0.925
(9)	43.453	36.090	50.211	50.176	59.695	51.609	******	******	0.887	0.854	0.920	0.923
(10)	54.163	41.092	38.043	38.193	66.331	54.625	43.329	41.950	******	0.870	0.900	0.939
(11)	43.601	43.389	33.066	33.122	48.072	60.373	54.939	35.801	86.711	******	0.909	0.901
(12)	36.703	31.613	44.791	44.575	41.157	37.307	57.765	51.343	60.273	47.459	******	0.997
(13)	37.165	31.803	45.021	45.522	41.302	37.410	54.267	52.447	59.712	47.189	******	******

THE UPPER RIGHT HALF OF THE MATRIX CONTAINS THE SPEARMAN RANK CORRELATION COEFFICIENTS. THE LOWER LEFT HALF CONTAINS THE "T" SIGNIFICANCE STATISTICS. THE NUMBER OF DEGREES OF FREEDOM IS 476

Source: Calculated from a databank at the U.S. International Trade Commission.

APPENDIX E

CONCORDANCE OF THE TSUSA TO THE IO-SIC

APPENDIX E.--Concordance of the TSUSA to the IO-SIC

IO-SIC	TSUSA NUMBERS												
101	1150500	1151000	1151500	1152000	1152500								
102	1000700	1000900	1001500	1002000	[illegible]	11955	1196000	1861520	[illegible]				
103	1000110	1000120	1000130	1000140	1000150	10001	1000170	1000180	1000300	[illegible]	1000500	[illegible]	[illegible]
103	1003000	1003100	1003500	1004000	1004300	10045	1005000	1005300	1005500	[illegible]	[illegible]	1006500	1007000
103	1007300	1007500	1007700	1007900	1008100	10085	1009520	1009540	1009560	[illegible]	1230020	[illegible]	1230050
103	1230060	1230080	1230085	1230090	1235000	12410	1241007	1241010	1241015	1241016	1241017	[illegible]	[illegible]
103	1241025	1241030	1241035	1241040	1241045	12410	1241055	1241057	1241060	[illegible]	1863000	[illegible]	[illegible]
103	1865530	1865540	1865550	1902500	1906000	19110	3060002	3060003	3060012	3060013	[illegible]	[illegible]	3060032
103	3060033	3060092	3060093	3061102	3061112	30612	3061213	3062122	3062223	3063132	[illegible]	[illegible]	[illegible]
103	3063172	3063233	3063243	3063253	3063263	30692	3064192	3064293	3065100	3065200	3066100	3066200	3067100
103	3067200	3068100	3068200	3074000	3080200	30844	3080440	4940200	4940600				
201	1751500	3001020	3001040	3001520	3001540	30015	3002000						
202	1260100	1260300	1260700	1260900	1261100	12623	1262500	1262700	1262900	1263100	1263300	1263500	1263700
202	1263900	1265700	1266300	1267700	1267900	12683	1268500	1269100	1269300	1269500	1271100	1301000	1301500
202	1302000	1303000	1303500	1304000	1304500	13050	1306000	1306520	1306540	1307020	1307040	1307100	1356000
202	1356100	1372000	1372100	1372500	1372800	14009	1401000	[illegible]	1401400	1401600	1402000	1402100	[illegible]
202	1402600	1452000	1551000	1551200	1551500	17506	1751800	1752100	1752400	1753300	1753600	1753900	[illegible]
202	1754800	1754900	1755100	1843000	1843500	19242	1922500	[illegible]	[illegible]				
203	1700100	1700500	1701000	1701500	1702000	17022	1702300	1702400	1702500	[illegible]	1702700	[illegible]	[illegible]
203	1703020	1703040	1703100	1703200	1703220	17032	1703300	1703400	1703500	1703600	1703700	1704000	[illegible]
203	1704300	1704400	1704500	1704700	1704800	17049	1705000	1705500	1706000	[illegible]	1706300	[illegible]	
204	1450100	1450400	1450700	1451200	1451400	14516	1451800	1452200	1452400	1452600	[illegible]	[illegible]	[illegible]
204	1454200	1454400	1454600	1454820	[illegible]	14552	1455300	1455500	[illegible]	1459000	1461000	[illegible]	[illegible]
204	1464000	1465000	1465200	1465400	1465600	14658	1466000	1466200	[illegible]	1469000	1469500	[illegible]	[illegible]
204	1470020	1470060	1471000	1471300	1471600	14719	1472000	1472200	[illegible]	1473100	1473300	[illegible]	[illegible]
204	1476100	1476300	1476400	1478000	1479000	14840	1484200	1484410	1484420	1484440	1486000	[illegible]	1487200
204	1488000	1488100	1488200	1489000	1489300	14896	1491000	1491900	1492000	1492100	1492200	[illegible]	[illegible]
204	1494800	1495000	1561900	1601020	1750700	17510	1751100	1751200	1752800	1754200	[illegible]	[illegible]	
205	1351000	1351200	1351400	1351600	1352000	13530	1354000	1355000	1355100	1356000	[illegible]	1357500	[illegible]
205	1359200	1359400	1360000	1361000	1362000	13622	1363000	1364000	1365000	1366000	[illegible]	[illegible]	[illegible]
205	1369000	1369100	1369800	1369900	1370000	13701	1371000	1374000	1375000	1376000	1376200	[illegible]	[illegible]
205	1377000	1377500	1378000	1378500	1380000	14110	1414500	1481000	1481500	1482000	[illegible]	[illegible]	[illegible]
205	1606000	1750300	1926000	1926500	1927500	19280	1931000	1931500	1932500	3040200	[illegible]	[illegible]	[illegible]
205	3042000	3043240	3043800	3044200	3044600	30450	3045600	4374800	[illegible]				
206	1750300	1750600	1750900	1751000	1751100	17512	1751500	1751800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
206	1753900	1754200	1754500	1754800	1754900	17551	1755400	1755700					
207	1250100	1250500	1251000	1251500	1252000	12525	1253020	1253040	1253060	[illegible]	1254000	[illegible]	[illegible]
207	1256500	1256700	1257000	1258000	1260500	126150	1261700	1261900	1262100	1264100	1265100	[illegible]	[illegible]
207	1265900	1266100	1266500	1266700	1267100	126730	1268100	1268700	1268900	1271000	1441000	[illegible]	1610100
207	1610300	1610700	1610900	1611100	1611300	16117	1612100	1612500	1612700	[illegible]	[illegible]	[illegible]	[illegible]
207	1614300	1614700	1615100	1615500	1616100	161630	1616700	1617300	1617720	1617740	1618000	[illegible]	[illegible]
207	1618600	1619000	1619400	1620100	1620500	162090	1621300	1621500	1922000	[illegible]	1925000	[illegible]	[illegible]
207	4941000	4941200	4941400	4941600	4941800	835000							
300	1009000	1101005	1101010	1101012	1101015	110102	1101025	1101030	1101035	[illegible]	1101040	1101045	[illegible]
300	1101055	1101510	1101520	1101530	1101535	110154	1101550	1101560	1101570	[illegible]	[illegible]	[illegible]	[illegible]
300	1102020	1102040	1102500	1102800	1103000	110330	1103500	1103520	1103540	[illegible]	1104500	1104710	[illegible]
300	1104730	1104740	1104750	1105020	1105040	110506	1105520	1105540	1105545	[illegible]	[illegible]	[illegible]	[illegible]
300	1105700	1106010	1106020	1106030	1106040	110605	1106060	1106070	1106080	[illegible]	[illegible]	1107020	[illegible]
300	1107028	1107030	1107033	1107037	1107040	110705	1107060	1131100	1131500	[illegible]	[illegible]	[illegible]	[illegible]
300	1141000	1141500	1142500	1143000	1144020	114404	1144520	1144525	1144530	[illegible]	[illegible]	[illegible]	[illegible]
300	1144557	1144562	1144572	1773200	1861020	188106	1881800	1882000	1882200	1882400	[illegible]	[illegible]	[illegible]
300	1883810	1883820	1883830	1883840	1883850	188385	1883965	1883970	1903000	1903500	[illegible]	1906500	[illegible]
300	1908700	1909000	1909300	1921020	1921040	192106	2004500	2220500	2220520	[illegible]	[illegible]	[illegible]	[illegible]
300	4353500	4354000	4354500	4355000	4355500	435600	4356500	4357000	4357500	[illegible]	[illegible]	[illegible]	[illegible]
300	4460540	4460550	4550200	4601000	4700500	470100	4702000	4703000	4704000	[illegible]	[illegible]	[illegible]	[illegible]
300	4705070	4706000	4708000	4930200	4932000	493550	4940600	7410500	7410600				
500	6011520	6011540	6011560	6011800	6012100	601242	6012430	6012440	6012450	[illegible]	[illegible]	[illegible]	[illegible]
500	9110720	9110740	9110760										
601	6022500	6023013	6023023	6023033	6023043								
602	4225000	5211700	6010300	6010600	6010900	601120	6013000	6013940	6013960	[illegible]	[illegible]	[illegible]	[illegible]
602	6016000	6016300	6016615	6016625	6016635	601664	6016650	6021011	[illegible]	6021031	[illegible]	[illegible]	[illegible]
602	6022032	6022042	6323440										
700	5213120	5213180											
800	4750510	4751010	4751540										
900	4391060	4722000	4800500	4934000	5122100	512240	5131100	5131400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
900	5134100	5136100	5137100	5139100	5141100	514210	5145100	5145400	5146100	[illegible]	[illegible]	[illegible]	[illegible]
900	5161100	5162100	5162400	5163100	5164110	516412	5164140	5164150	5164160	5165100	[illegible]	[illegible]	[illegible]
900	5172700	5173100	5181110	5181120	5181130	518114	5181150	5181160	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
900	5191740	5193100	5193400	5201120	5201140	5202300	5202700	5202800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
900	5215100	5215400	5216100	5217100	5217400	5218100	5218400	5218700	5221100	5223100	[illegible]	5223500	[illegible]
900	5224100	5224300	5224500	5225100	5226100	5226400	5227100	5231100	5233100	5233300	[illegible]	5238120	[illegible]
1000	4154500	4189000	4207600	4209200	4209400	4209600	4218200	4720200	4720400	4721000	4721200	[illegible]	[illegible]
1000	4724400	4724600	4724800	4725000	4733200	4733600	4733800	4734000	4801000	4802500	[illegible]	[illegible]	[illegible]
1000	4806000	5222100	5222400	5238140									
1419	1552010	1552020	1552030	1552040	1552050	1552060	1552070	1552080	1553000	[illegible]	[illegible]	1842000	
1701	2225500	2225700	3600500	3601000	3601500	3602000	3602500	3603000	3603500	3603600	3604000	3604520	[illegible]
1701	3604600	3604820	3604840	3606500	3607000	3607522	3607525	3607540	3607545	[illegible]	[illegible]	[illegible]	[illegible]
1701	3610522	3610525	3610542	3610545	3610550	[illegible]	3610560	3610565	3610700	3611000	[illegible]	[illegible]	[illegible]
1701	3611550	3611560	3611590	3611820	3611840	3612010	3612020	3612030	3612040	3612050	3612060	3614200	[illegible]
1701	3614600	3614800	3615000	3615200	3615300	3615422	3615425	3615622	3615625	[illegible]	3615645	3619000	[illegible]

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
1804	1242000	1242520	1242540	1242560	1242580	1245590	1243000	1244000	1245000	1246520	1246540	1246560	1246580
1804	1246590	1247000	1248000	3700420	3700440	3700460	3700800	3701200	3701620	3701640	3701720	3701740	3701760
1804	3702020	3702040	3702400	3702800	3703000	3703600	3704000	3704400	3704800	3705200	3705600	3706000	3706040
1804	3706420	3706440	3706820	3706840	3707200	3707600	3708000	3708420	3708440	3708520	3708540	3709200	3720511
1804	3720530	3720540	3720550	3720560	3720590	3721010	3721015	3721020	3721025	3721030	3721035	3721040	3721045
1804	3721050	3721055	3721060	3721065	3721520	3721540	3721560	3722000	3722500	3723000	3723500	3724000	3724500
1804	3725000	3725500	3726020	3726040	3726520	3726540	3727000	3727520	3727540	3728000	3728010	3730515	3730520
1804	3730525	3730530	3730535	3730540	3730545	3730550	3730555	3730560	3730565	3731010	3731020	3731040	3731045
1804	3731520	3731540	3732000	3732200	3732500	3732700	3733020	3733040	3760420	3760440	3760460	3761200	3761600
1804	3762000	3762425	3762445	3762465	3762485	3762490	3762495	3762825	3762845	3762865	3762885	3762890	3762895
1804	3765000	3765400	3765600	3765800	3780521	3780524	3780529	3780531	3780532	3780533	3780534	3780535	3780537
1804	3780537	3780539	3780541	3780542	3780544	3780546	3780548	3780549	3780551	3780552	3780554	3780555	3780556
1804	3780557	3780558	3780559	3780562	3780564	3780566	3780568	3780569	3780571	3780573	3780574	3780575	3780577
1804	3780579	3781012	3781014	3781016	3781029	3781032	3781034	3781039	3781050	3781060	3781500	3781512	3781514
1804	3781529	3781532	3781534	3781539	3781550	3781560	3782012	3782018	3782030	3782512	3782518	3783540	3783611
1804	3783030	3785510	3783530	3784010	3784030	3784510	3784540	3785010	3785030	3785510	3785540	3786010	3786031
1804	3786512	3786518	3786530	3787010	3787030	3800003	3800006	3800009	3800012	3800015	3800018	3800021	3800024
1804	3800027	3800030	3800033	3800036	3800040	3800043	3800046	3800049	3800052	3800055	3800058	3800061	3800164
1804	3800067	3800070	3800073	3800076	3800205	3800210	3800215	3800220	3800225	3800240	3800245	3800250	3800255
1804	3800260	3800265	3800270	3800302	3800305	3800308	3800311	3800312	3800313	3800316	3800320	3800323	3800325
1804	3800326	3800327	3800328	3800335	3800336	3800337	3800338	3800340	3800341	3800344	3800348	3800349	3800350
1804	3800351	3800352	3800353	3800354	3800355	3800356	3800357	3800359	3800360	3800361	3800363	3800364	3800366
1804	3800368	3800372	3800376	3800378	3800380	3800383	3800385	3800387	3800389	3800390	3800391	3800393	3800395
1804	3800396	3800398	3800403	3800406	3800409	3800412	3800415	3800418	3800421	3800424	3800427	3800440	3800444
1804	3800446	3800449	3800452	3800455	3800458	3800461	3800464	3800467	3800470	3800510	3800520	3800530	3800600
1804	3800550	3800560	3800610	3800615	3800620	3800625	3800630	3800635	3800640	3800645	3800650	3800655	3800661
1804	3800690	3800910	3800920	3800940	3800960	3800980	3800990	3801210	3801220	3801240	3801250	3801260	3801300
1804	3801520	3801540	3801820	3801840	3802100	3802400	3802752	3802755	3802759	3802762	3802765	3802768	3802772
1804	3802775	3802777	3802778	3802779	3802782	3802785	3802787	3802789	3802792	3802795	3802797	3802798	3803000
1804	3803300	3803600	3803909	3803912	3803922	3803925	3803927	3803929	3803932	3803935	3803937	3803939	3803940
1804	3803990	3803992	3803994	3804500	3804800	3805120	3805140	3805160	3805190	3805710	3805720	3805750	3805760
1804	3805750	3805790	3805900	3806010	3806020	3806030	3806040	3806050	3806090	3806110	3806120	3806130	3806150
1804	3806150	3806160	3806310	3806320	3806330	3806340	3806350	3806360	3806390	3806410	3806420	3806430	3806440
1804	3806650	3806660	3806690	3807200	3807500	3808110	3808120	3808132	3808134	3808136	3808142	3808144	3808147
1804	3806190	3808410	3808415	3808420	3808425	3808430	3808435	3808440	3808445	3808450	3808455	3808490	3809000
1804	3820002	3820004	3820006	3820008	3820010	3820012	3820014	3820016	3820018	3820020	3820022	3820024	3820026
1804	3820028	3820030	3820032	3820034	3820040	3820042	3820044	3820046	3820048	3820050	3820052	3820054	3820056
1804	3820058	3820060	3820062	3820064	3820066	3820068	3820070	3820072	3820074	3820076	3820078	3820080	3820082
1804	3820084	3820086	3820088	3820090	3820205	3820210	3820215	3820220	3820225	3820230	3820235	3820240	3820256
1804	3820255	3820260	3820265	3820270	3820301	3820302	3820305	3820306	3820307	3820308	3820309	3820310	3820311
1804	3820312	3820313	3820314	3820315	3820317	3820318	3820319	3820320	3820321	3820322	3820323	3820324	3820325
1804	3820326	3820327	3820328	3820329	3820330	3820331	3820332	3820333	3820334	3820335	3820336	3820337	3820339
1804	3820339	3820340	3820341	3820342	3820344	3820345	3820346	3820347	3820348	3820349	3820350	3820351	3820352
1804	3820353	3820354	3820356	3820357	3820359	3820360	3820361	3820362	3820363	3820364	3820365	3820366	3820367
1804	3820368	3820369	3820370	3820371	3820372	3820373	3820374	3820375	3820376	3820377	3820378	3820379	3820380
1804	3820381	3820382	3820383	3820384	3820385	3820386	3820387	3820388	3820389	3820390	3820391	3820392	3820393
1804	3820394	3820395	3820396	3820397	3820398	3820399	3820402	3820404	3820406	3820408	3820410	3820412	3820414
1804	3820416	3820418	3820420	3820422	3820424	3820426	3820428	3820430	3820432	3820434	3820436	3820438	3820441
1804	3820442	3820444	3820446	3820448	3820460	3820462	3820464	3820466	3820468	3820470	3820472	3820474	3820476
1804	3820478	3820480	3820482	3820510	3820520	3820530	3820540	3820550	3820560	3820605	3820610	3820615	3820620
1804	3820625	3820630	3820635	3820640	3820645	3820650	3820655	3820660	3820665	3820670	3820675	3820680	3820685
1804	3820690	3820695	3820902	3820904	3820906	3820908	3820910	3820912	3820914	3820916	3820918	3820920	3820922
1804	3820924	3821202	3821204	3821206	3821208	3821210	3821212	3821214	3821216	3821218	3821220	3821222	3821224
1804	3821520	3821540	3821560	3821820	3821840	3821860	3822100	3822400	3822700	3823000	3823302	3823304	3823306
1804	3823308	3823310	3823312	3823314	3823316	3823318	3823320	3823322	3823324	3823326	3823328	3823330	3823332
1804	3823334	3823336	3823338	3823340	3823342	3823344	3823346	3823348	3823350	3823352	3823354	3823356	3823358
1804	3823360	3823362	3823364	3823368	3823370	3823380	3823390	3823392	3823394	3823400	3823700	3824000	3825411
1804	3825420	3825425	3825430	3825435	3825440	3825445	3825600	3825750	3825755	3825760	3825765	3825770	3825775
1804	3825780	3825790	3825810	3825820	3825830	3825840	3825845	3825850	3825860	3825870	3825890	3826010	3826015
1804	3826020	3826025	3826030	3826035	3826040	3826045	3826090	3826310	3826315	3826320	3826325	3826330	3826335
1804	3826340	3826345	3826390	3826920	3826940	3826960	3826980	3827220	3827240	3827260	3827270	3827280	3827290
1804	3827802	3827804	3827806	3827808	3827810	3827812	3827814	3827816	3827818	3827820	3827822	3827824	3827826
1804	3827830	3827840	3827850	3827860	3827862	3827864	3827866	3827372	3827874	3827876	3827880	3827882	3827883
1804	3827884	3827885	3827886	3827887	3828102	3828104	3828106	3828108	3828110	3828112	3828114	3828116	3828117
1804	3828120	3828122	3828124	3828126	3828128	3828150	3828700	3860510	3860530	3860540	3860550	3860560	3860570
1804	7020512	7020520	7020522	7020532	7020540	7020542	7020546	7021012	7021016	7021020	7021022	7021026	7021032
1804	7021036	7021040	7021042	7021046	7021500	7022000	7022500	7023000	7023000	7023200	7023300	7023720	7023741
1804	7023760	7023780	7024020	7024040	7024060	7024500	7024700	7025400	7025600	7026000	7026500	7027000	7027500
1804	7028000	7028500	7029000	7029500	7030500	7030520	7030540	7031000	7031020	7031040	7031500	7031520	7031540
1804	7032000	7032500	7033000	7033500	7034000	7034500	7035000	7035500	7036000	7036500	7037000	7037500	7040520
1804	7040540	7041020	7041040	7041520	7041540	7042000	7042500	7043000	7043520	7043535	7043540	7043545	7043560
1804	7044010	7044015	7044020	7044025	7044030	7044040	7044510	7044515	7044520	7044525	7044530	7044540	7045015
1804	7045020	7045030	7045040	7045500	7045600	7046000	7046500	7047000	7047500	7048000	7048520	7048540	7048550
1804	7048560	7049000	7049500	7049520	7049540	7053000	7053550	7053560	7054500	7059000	7725000	7910500	7911000
1804	7911500	7911700	7911900	7916000	7917000	7917500	8504000	8513000					
1925	7309300												
1929	7309300												
1931	6924500												
1951	7300500	7301000	7301500	7301700	7301900	7302500	7302700	7302720	7302740	7302900	7303100	7303700	7303900
1951	7304100	7304300	7304520	7304540	7305100	7305300	7305500	7305700	7305900	7306100	7306500	7306700	7307300
1951	7307400	7307500	7307700	7308000	7308100	7308500	7308600	7308800					
1961	6945000	7309020	7309025	7309035	7309040	7309060	7309080	7309100	7309200	7309300			
1990	7309300												
2011	1061020	1061040	1061060	1061080	1062020	1062040	1063000	1064020	1064040	1065000	1065500	1067000	1067500
2011	1068000	1068500	1071000	1071500	1072000	1072520	1072540	1073020	1073040	1073060	1073515	1073520	1073540
2011	1073540	1073560	1074000	1074500	1075000	1075020	1075040	1075060	1075080	1075500	1076020	1076040	1077000
2011	1077500	1077520	1077540	1077560	1078000	1201100	1201320	1201340	1201360	1201380	1201400	1201720	1201740
2011	1201760	1202005	1202010	1202015	1202020	1202025	1202030	1202035	1202040	1202042	1202045	1202050	1202055
2011	1202060	1202070	1202075	1202080	1775000	1821000	1821100	1846000	1846100	1901500	1905500	1905820	1905840
2011	1905860	1911500	3060001	3060011	3060021	3060031	3060091	3061001	3061011	3062021	3063031	3063041	3063051
2011	3063061	3063071	3064091	3065000	3066000	3067000	3068000	4391020	4550800	4551000	4551400	7922000	7922200

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS
2013	1071010 1071500 1072000 1072500 1072540 1073020 1073040 1073060 1073515 [illegible]
2013	1074000 1074500 1075000 1075020 1075040 1075060 1075080 [illegible]
2013	1077500 1078000
2015	1051000 1052000 1053000 1054000 1055000 1055500 1056000 [illegible]
2015	1077500 1196500 1197000
2021	1160000 1160500 1161000 1161500 1162000 1164500 1180000
2022	1170000 1170500 1171000 1171500 1172000 1172500 1173000 1173500 [illegible]
2022	1175540 1175560 1175580 1176020 1176040 1176060 1176500 1176700 [illegible]
2022	1176100 1176500 1178520 1178540
2023	1153000 1154500 1154000 1154500 1155000 1155500 1156000 1180500 [illegible]
2024	1182500
2026	1150000 1150500 1151000 1151500 1152000 1152500 1181000 1181500
2031	1111000 1111500 1112000 1112200 1112500 1113200 1113700 1114000 [illegible]
2031	1116400 1116500 1117200 1117600 1118000 1118400 1118600 1119200 [illegible]
2031	1121200 1121400 1121420 1121600 1122000 1122200 1122450 1123020 [illegible]
2031	1124000 1124200 1124600 1124800 1125000 1125200 1125400 1125800 [illegible]
2031	1127400 1127600 1127700 1128000 1128500 1128600 1129000 1129430 [illegible]
2031	1135620 1135640 1135660 1135665 1135680 1136000 1140100 1140500 [illegible]
2031	1144515 1144535 1144540 1144550 1144555 1144560 1144565 1144570 [illegible]
2031	1820500 1825000
2032	1825200
2033	1410500 1411500 1412000 1412500 1413000 1413500 1414000 1415000 [illegible]
2033	1416600 1417000 1417500 1417900 1418000 1418120 1418140 1418160 [illegible]
2033	1442050 1442060 1450200 1455400 1461400 1462400 1464400 1466300 [illegible]
2033	1467540 1469100 1469700 1469800 1469900 1470200 1472100 1472400 [illegible]
2033	1477700 1478500 1483500 1484600 1484800 1485000 1485020 1485040 [illegible]
2033	1486500 1487600 1487700 1487800 1488600 1489620 1489840 1492000 [illegible]
2033	1523640 1530000 1530400 1530600 1531600 1532400 1532800 1533200 [illegible]
2033	1653540 1653560 1653570 1654000 1654400 1654600 1655000 1655500 [illegible]
2034	1403000 1403500 1403800 1404100 1404500 1404600 1405000 1405500 [illegible]
2034	1461200 1462200 1464200 1466400 1466600 1469300 1474000 1474200 [illegible]
2034	1476600 1476800 1477000 1477200 1477500 1485200 1485400 1487400 [illegible]
2034	1520500 1521000 1521400 1521800 1522200
2035	1615900 1824500 1824600
2036	1101005 1101010 1101012 1101015 1101020 1101030 1101035 1101037 [illegible]
2036	1101520 1101530 1101535 1101540 1101550 1101560 1101570 1101575 [illegible]
2036	1102800 1103400 1103500 1103520 1103540 1104000 1104500 1105020 [illegible]
2036	1105700 1106010 1106020 1106030 1106040 1106050 1106060 1106070 [illegible]
2036	1107029 1107030 1107033 1107037 1107040 1107050 1107060 1132000 [illegible]
2036	1142500 1143000 1144540 1144525 1144530 1144535 1144537 1144540 [illegible]
2037	1351000 1351200 1351400 1351600 1354000 1355000 1355100 1357500 [illegible]
2037	1375000 1380000 1466800 1467220 1467240 1467520 1469700 1469800 [illegible]
2041	1311000 1311200 1311500 1312000 1312500 1312700 1313800 1314000 [illegible]
2041	1317000 1317200 1317500 1318000 1318500 1319000 1329520 1841000 [illegible]
2042	1845510 1846500 1847020 1847040 1847060 1847070 1847500
2043	1823000
2044	1305500 1313000 1313300 1313500 1313700 1316700
2045	1317200 1317500 1318000 1318500 1319000
2046	1323520 1323540 1325000 1325500 1556000 1556500 1760300 4933000
2051	1822000 1822520 1822550 1822560 1932000
2052	1822000
2061	1454400 1454860 1454870 1456000 1540500 1541000 1541500 1542000 [illegible]
2061	1545000 1545500 1546000 1549000 1563000 1563020 1563040 1571020 [illegible]
2062	1562000 1562500 1563500 1564000 1564500 1564700 1565500
2063	1823200 1883400
2071	1321500 1322000 1322500 1323000 1670520 1670540 1842500
2073	1321500 1322000
2074	1671020 1671040 1672000 1672500 1673020 1673040 1673200 1673400 1673520 1673540 1673720 1673740 1674000
2074	1674200 1675000 1679000 1681900 1682000 1682100 1682200 1689000 9451620 9451640
2075	1680500 1681000 1681700 1682520 1682540 1683000 1683500 1683520 1683540 1684020 1684040 1684520 1684540
2075	1684620 1684640 1685000 1685500
2076	1661000 1662000 1664000
2077	1524200 1524600 1525000 1525400 1525800 1526200 1527000 1527200 1527420 1527440 1681500 1923000 1924500
2077	4501000 4502000 4503000 4504000 4505000
2078	1761800 1845240 3003000
2079	1765200
2081	1760000 1760100 1760200 1760400 1760500 1760600 1760700 1760800 1760900 1761000 1761100 1761200 1761300
2081	1762000 1762200 1762400 1762600 1762800 1762900 1763000 1763200 1763300 1763400 1763500 1763800 1764000
2081	1764200 1764400 1764500 1764600 1764700 1764900 1765000 1765400 1765500 1765800 1766000 1766400 1767000
2081	1781000 1782500 1783000 1844500 [illegible]

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS
2094	1764000 1770200 1771000 1771200 1771400 1771600 1772000 1772200 1772600 1773000 1773400 1773600
2094	1774000 1775200 1775600 1776000 1776800 1777000 1778000 1845500 1845550 1845560
2094	1845570 1902000 1904000 1904200 1905000 4200000
2095	1601040 1602000 1602010 1602100
2096	1163000
2097	5225100
2098	1823500 1823600
2099	1078000 1450000 1450900 1454000 1455000 1555500 1557600 1557500 1603000 1603500 1614000 1606200 1616300
2099	1611500 1611900 1612300 1612400 1613700 1614100 1614500 1614900 1615300 1615700 1616500 1616900 1617100
2099	1617500 1617900 1618000 1618800 1619200 1619600 1620300 1620700 1621100 1671500 1821600 1826500 1827000
2099	1827800 1827900 1829000 1829120 1829125 1829130 1829200 1829400 1829501 1829550 1829600
2099	4374700 4550400
2100	2040500 2041000 2041520 2041540 2042000 2042500 2042700 2043000
2111	1706500
2121	1706600 1706800 1706900 1707000 1707200 1707400 1707500 1707600
2131	1707800 1708000 1708020 1708040
2141	1708500 1708560 1708580 1708600 1708700 1708800 1708900 1709000 1709100
2141	1709500
2201	3192100 3192400 3192500 3192700 3192900 3200001 3200002 3200003 3200004 3200005 3200006 3200007 3200011
2201	3200040 3200044 3200054 3200058 3200060 3200064 3200076 3200078 3200080 3200084 3200088 3200092 3200096
2201	3201032 3201034 3201004 3201006 3201008 3201026 3201028 3201036 3201038 3201040 3201042 3201044 3201046
2201	3201050 3201053 3201060 3201064 3201076 3201078 3201080 3201082 3201084 3201086 3201088 3201090 3201092
2201	3202030 3202034 3202036 3202040 3202042 3202044 3202046 3202048 3202050 3202052 3202054 3202056 3202058
2201	3202076 3202080 3202082 3202094 3203022 03024 3203030 3203032 3203034 3203036 3203038 3203040 3203042
2201	3203048 3203044 3203046 3203054 3203058 3203060 3203062 3203064 3203066 3203068 3203070 3203076 3203078
2201	3204026 3204024 3204030 3204032 3204034 3204050 3204060 3204062 3204064 3204066 3204070 3204076 3204078
2201	3204092 3204094 3205026 3205028 3205054 3205058 3205060 3205062 3205064 3205066 3205068 3205070 3205072
2201	3205090 3205092 3205094 3206022 3206024 3206026 3206028 3206030 3206032 3206034 3206036 3206038 3206040
2201	3206076 3206078 3206086 3206090 3206092 3206094 3207022 3207024 3207026 3207028 3207030 3207032 3207034
2201	3207064 3207070 3207072 3207076 3207078 3207080 3207082 3207084 3207086 3207088 3207090 3207092 3207094
2201	3208054 3208056 3208060 3208064 3208076 3208078 3208080 3208082 3208084 3208086 3208088 3208090 3208092
2201	3209064 3209076 3209078 3209080 3209090 3209092 3209094 3210001 3210002 3210003 3210004 3210005 3210006
2201	3210044 3210054 3210058 3210060 3210064 3210076 3210078 3210080 3210082 3210084 3210086 3210088 3210090
2201	3211007 3211004 3211005 3211006 3211026 3211028 3211044 3211046 3211048 3211050 3211052 3211054 3211056
2201	3211088 3211090 3211092 3211094 3212026 3212028 3212030 3212032 3212034 3212036 3212038 3212040 3212042
2201	3212060 3212064 3212078 3212080 3212090 3212092 3213024 3213026 3213028 3213030 3213032 3213034 3213036
2201	3213046 3213054 3213056 3213060 3213064 3213076 3213080 3213082 3213084 3213086 3213088 3213090 3213092
2201	3214030 3214044 3214054 3214056 3214060 3214064 3214078 3214080 3214082 3214084 3214086 3214088 3214090
2201	3215054 3215060 3215064 3215066 3215068 3215070 3215078 3215080 3215082 3215084 3215086 3215088 3215090
2201	3216024 3216028 3216054 3216058 3216060 3216064 3216076 3216080 3216082 3216084 3216086 3216088 3216090
2201	3217028 3217054 3217058 3217060 3217064 3217076 3217078 3217080 3217082 3217084 3217086 3217088 3217090
2201	3218024 3218028 3218054 3218056 3218060 3218064 3218076 3218078 3218080 3218082 3218084 3218086 3218088
2201	3219050 3219060 3219064 3219076 3219078 3219088 3219090 3220001 3220002 3220003 3220004 3220005 3220006
2201	3220008 3220009 3220044 3220054 3220056 3220058 3220060 3220062 3220064 3220066 3220068 3220070 3220072
2201	3220082 3220084 3220086 3220088 3220090 3220092 3220094 3221001 3221002 3221003 3221004 3221005 3221006
2201	3221008 3221018 3221020 3221026 3221028 3221044 3221046 3221054 3221056 3221058 3221060 3221062 3221064
2201	3221072 3221074 3221076 3221078 3221080 3221082 3221084 3221086 3221088 3221090 3221092 3221094 3221096
2201	3222020 3222024 3222026 3222030 3222032 3222034 3222044 3222046 3222048 3222050 3222052 3222054 3222056
2201	3222068 3222072 3222074 3222076 3222078 3222080 3222082 3222084 3222086 3222088 3222090 3222092 3222094
2201	3223018 3223020 3223026 3223028 3223030 3223032 3223034 3223044 3223046 3223048 3223050 3223052 3223054
2201	3224072 3223074 3223076 3223078 3223080 3223082 3223084 3223086 3224052 3224054 3224056 3224058 3224060
2201	3224020 3224026 3224042 3224040 3224042 3224034 3224054 3224056 3224058 3224060 3224062 3224064 3224066
2201	3224078 3224080 3224082 3224084 3224086 3224088 3224090 3224092 3224094 3224076 3225052 3225054 3225056
2201	3225054 3225058 3225060 3225064 3225068 3225070 3225072 3225074 3225076 3225078 3225080 3225082 3225084
2201	3225064 3225068 3225070 3225092 3225094 3226018 3226020 3226022 3226024 3226026 3226028 3226030 3226032
2201	3226060 3226064 3226068 3226070 3226072 3226074 3226076 3226078 3226080 3226082 3226084 3226086 3226088
2201	3226090 3226092 3226094 3227016 3227020 3227022 3227024 3227026 3227028 3227030 3227050 3227052 3227054
2201	3227072 3227074 3227076 3227078 3227080 3227082 3227084 3227086 3227088 3227090 3227092 3227094 3227096
2201	3228024 3228026 3228028 3228054 3228058 3228060 3228062 3228064 3228066 3228068 3228070 3228072 3228074
2201	3228084 3228086 3228088 3228090 3228092 3230094 3230090 3230092 3230054 3230056 3230058 3230060 3230062
2201	3229072 3229080 3229082 3229084 3229086 3229088 3229090 3230092 3230094 3230096 3230098 3231050 3231052
2201	3230064 3230076 3230078 3230088 3230090 3230092 3230094 3231048 3231050 3231052 3231054 3231056 3231058
2201	3231064 3231078 3231076 3231082 3231090 3231092 3231054 3232048 3232050 3232052 3232054 3232056 3232058
2201	3232064 3232076 3232078 3232088 3232090 3232092 3232094 3233048 3233050 3233052 3233054 3233056 3233058
2201	3233064 3233076 3233078 3233088 3233090 3233092 3233094 3234048 3234050 3234052 3234054 3234056 3234058
2201	3234064 3234076 3234078 3234088 3234090 3234092 3234094 3235048 3235050 3235052 3235054 3235056 3235058
2201	3235064 3235068 3235078 3235076 3235086 3235092 3235094 3236048 3236050 3236052 3236054 3236056 3236058
2201	3236052 3236054 3236058 3236060 3236064 3236068 3236070 3236076 3236078 3236080 3236082 3236084 3236086
2201	3237022 3237024 3237048 3237050 3237052 3237054 3237058 3237060 3237064 3237066 3237068 3237070 3237072
2201	3237092 3237094 3238022 3238024 3238050 3238052 3238054 3238058 3238064 3238076 3238078 3238080 3238082
2201	3238092 3238094 3239052 3239054 3239058 3239060 3239064 3239076 3240078 3240088 3240090 3240092 3240094
2201	3240052 3240054 3240058 3240060 3240064 3240076 3240078 3241078 3241088 3241090 3241092 3241094 3241096
2201	3241052 3241054 3241058 3241060 3241064 3241076 3242074 3242088 3242090 3242092 3242094 3242096 3242098
2201	3242052 3242054 3242058 3242060 3242064 3242076 3243074 3243088 3243090 3243092 3243094 3243096 3243098
2201	3243052 3243054 3243058 3243060 3243064 3243076 3244074 3244088 3244090 3244092 3244094 3244096 3244098
2201	3244052 3244054 3244058 3244060 3244064 3244076 3245070 3245076 3245078 3245080 3245082 3245084 3245086
2201	3245052 3245054 3245058 3245060 3245064 3245068 3246058 3246060 3246064 3246066 3246068 3246070 3246072
2201	3246022 3246024 3246048 3246050 3246052 3246054 3247046 3247050 3247052 3247054 3247056 3247058 3247060
2201	3246088 3246090 3246092 3246094 3247022 3247024 3247046 3247050 3247052 3247054 3247056 3247058 3247060
2201	3247076 3247078 3247088 3247090 3247092 3247094 3248022 3248024 3248052 3248056 3248058 3248060 3248062
2201	3248064 3248076 3248078 3248088 3248090 3248092 3248054 3248052 3248054 3248056 3248058 3248060 3248062
2201	3249070 3249088 3249090 3249092 3249094 3250052 3250054 3250056 3250058 3250060 3250062 3250064 3250066
2201	3250074 3250076 3250078 3250090 3250082 3250084 3250086 3250088 3250090 3250092 3250094 3251072 3251074
2201	3251048 3251050 3251052 3251054 3251056 3251058 3251060 3251062 3251064 3251066 3251068 3251070 3251072
2201	3251080 3251082 3251084 3251086 3251088 3251090 3251092 3251094 3252072 3252074 3252076 3252078 3252080
2201	3252054 3252056 3252058 3252060 3252062 3252064 3252072 3252074 3252076 3252078 3252080 3252082 3252084
2201	3252086 3252088 3252090 3252092 3252094 3253018 3253020 3253048 3253050 3253052 3253054 3253056 3253058
2201	3253064 3253072 3253074 3253076 3253078 3253080 3253082 3253084 3253086 3253088 3253090 3253092 3253094
2201	3254018 3254020 3254048 3254050 3254052 3254054 3254058 3254060 3254062 3254064 3254066 3254068 3254070
2201	3254080 3254082 3254084 3254086 3254088 3254090 3254092 3254094 3255072 3255074 3255076 3255078 3255080
2201	3255058 3255060 3255064 3255070 3255072 3255074 3255076 3255078 3255080 3255082 3255084 3255086 3255088

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
2201	3256064	3256066	3256070	3256072	3256074	3256076	3256078	3256080	3256082	3256084	3256086	3256088	3256090
2201	3256092	3256094	3257018	3257020	3257022	3257024	3257048	3257050	3257052	3257054	3257058	3257060	3257064
2201	3257072	3257074	3257076	3257078	3257080	3257082	3257084	3257086	3257088	3257090	3257092	3257094	3258022
2201	3258024	3258050	3258052	3258054	3258058	3258060	3258064	3258072	3258074	3258076	3258078	3258080	3258082
2201	3258084	3258086	3258088	3258090	3258092	3258094	3259052	3259054	3259058	3259060	3259064	3259072	3259074
2201	3259076	3259078	3259080	3259082	3259084	3259086	3259088	3259090	3259092	3259094	3260001	3260002	3260003
2201	3260004	3260006	3260008	3260036	3260038	3260040	3260044	3260054	3260058	3260076	3260080	3260092	3261001
2201	3261003	3261004	3261008	3261026	3261036	3261038	3261040	3261044	3261054	3261058	[illegible]	3261088	3261090
2201	3262026	3262030	3262032	3262034	3262036	3262038	3262040	3262044	3262054	3262058	3262074	3262088	3262090
2201	3263026	3263030	3263032	3263034	3263036	3263038	3263040	3263044	3263054	3263058	3264026	3264030	3264032
2201	3264034	3264054	3264058	3264092	3265026	3265054	3265058	3265092	3266020	3266054	3266056	3267020	3267054
2201	3267058	3268026	3268054	3268058	3268092	3269054	3269058	3270001	3270002	3270003	3270004	3270006	3270008
2201	3270076	3270078	3270088	3270092	3271001	3271002	3271003	3271004	3271006	3271008	3271076	3271088	3271090
2201	3272034	3272076	3272088	3272092	3273034	3273076	3273088	3273092	3274034	3274076	3274088	3274092	[illegible]
2201	3275076	3275088	3275092	3276022	3276068	3276076	3276088	3276092	3277022	3277076	3277088	3277092	3278022
2201	3278076	3278088	3278092	3279076	3279088	3279092	3280001	3280002	3280003	3280004	3280007	3280054	3280056
2201	3280058	3280060	3280062	3280064	3280072	3280074	3280076	3280078	3280080	3280082	3280084	3280086	3280088
2201	3280090	3280092	3280094	3281001	3281002	3281003	3281004	3281006	3281008	3281014	3281056	3281058	3281060
2201	3281062	3281064	3281072	3281074	3281076	3281078	3281080	3281082	3281084	3281086	3281088	3281090	3281092
2201	3281094	3282034	3282054	3282056	3282058	3282060	3282062	3282064	3282072	3282074	3282076	3282078	3282080
2201	3282082	3282084	3282086	3282088	3282090	3282092	3282094	3283034	3283054	3283058	3283060	3283068	3283072
2201	3283074	3283076	3283078	3283080	3283082	3283084	3283086	3283088	3283090	3283092	3283094	3284034	3284054
2201	3284058	3284060	3284064	3284072	3284074	3284076	3284078	3284080	3284082	3284084	3284086	3284088	3284090
2201	3284092	3284094	3285054	3285058	3285060	3285064	3285068	3285070	3285072	3285074	3285076	3285078	3285080
2201	3285082	3285084	3285086	3285088	3285090	3285092	3285094	3286022	3286024	3286054	3286056	3286060	3286064
2201	3286068	3286070	3286072	3286074	3286076	3286078	3286080	3286082	3286084	3286086	3286088	3286090	3286092
2201	3286094	3287022	3287024	3287060	3287064	3287072	3287074	3287076	3287078	3287080	3287082	3287084	3287088
2201	3287090	3287092	3287094	3288022	3288024	3288060	3288072	3288074	3288076	3288078	3288080	3288082	3288084
2201	3288086	3288088	3288090	3288092	3288094	3289076	3289078	3289088	3289090	3289092	3289094	3291092	3292092
2201	3293092	3301092	3302092	3303092	3304094	3310054	3310056	3310058	3310062	3310064	3310072	3310074	3310076
2201	3310078	3310080	3310082	3310084	3310086	3310088	3310090	3310092	3310094	3311012	3311026	3311056	3311057
2201	3311058	3311060	3311062	3311064	3311072	3311074	3311076	3311078	3311080	3311082	3311084	3311086	3311088
2201	3311090	3311092	3311094	3312018	3312020	3312054	3312056	3312058	3312060	3312062	3312064	3312070	3312074
2201	3312076	3312078	3312080	3312082	3312084	3312086	3312088	3312090	3312092	3312094	3313012	3313026	3313048
2201	3313054	3313056	3313063	3313064	3313072	3313074	3313076	3313078	3313080	3313082	3313084	3313086	3313088
2201	3313090	3313092	3313094	3314018	3314020	3314054	3314058	3314060	3314064	3314072	3314074	3314076	3314078
2201	3314080	3314082	3314084	3314086	3314088	3314090	3314092	3314094	3315018	3315020	3315054	3315056	3315060
2201	3315064	3315068	3315070	3315072	3315074	3315076	3315078	3315080	3315082	3315084	3315086	3315088	3315090
2201	3315092	3315094	3316018	3316020	3316022	3316024	3316054	3316058	3316060	3316064	3316068	3316070	3316072
2201	3316074	3316076	3316078	3316080	3316082	3316084	3316086	3316088	3316090	3316092	3316094	3317018	3317020
2201	3317022	3317024	3317054	3317058	3317060	3317064	3317072	3317074	3317076	3317078	3317080	3317082	3317084
2201	3317086	3317088	3317090	3317092	3317094	3318022	3318024	3318054	3318058	3318060	3318064	3318072	3318076
2201	3318078	3318080	3318082	3318084	3318086	3318088	3318090	3318092	3319034	3319054	3319058	3319060	3319064
2201	3319072	3319074	3319076	3319078	3319080	3319082	3319084	3319086	3319088	3319090	3319092	3319094	3321020
2201	3321040	3324020	3324040	3361000	3361520	3361540	3362000	3362500	3363000	3363500	3364020	3364040	3364060
2201	3365012	3365014	3365016	3365018	3365020	3365022	3365024	3365026	3365512	3365514	3365516	3365518	3365520
2201	3365522	3365524	3365526	3366022	3366024	3366026	3366028	3366030	3366032	3366034	3366036	3366038	3366040
2201	3366042	3366044	3366045	3366046	3366048	3366050	3366052	3366054	3366056	3366058	3366060	3366062	3366064
2201	3366065	3366066	3366068	3366070	3366072	3366074	3366076	3371000	3372010	3372020	3372030	3372040	3372050
2201	3373000	3374000	3375010	3375012	3375014	3375016	3375018	3375020	3375022	3375024	3375026	3375028	3375500
2201	3376000	3377010	3377020	3377030	3377040	3377050	3378000	3379000	3381010	3381012	3381014	3381016	3381018
2201	3381510	3381512	3381514	3381516	3381518	3382500	3382700	3383022	3383024	3383026	3383028	3383030	3383040
2201	3383042	3383043	3383044	3383045	3383046	3383049	3383062	3383063	3383064	3383065	3383066	3383067	3383072
2201	3383073	3383074	3383075	3383076	3383079	3383082	3383083	3383084	3383085	3383086	3383087	3383092	3383093
2201	3383094	3383095	3383096	3383099	3460500	3461000	3461500	3462000	3462200	3462400	3463020	3463040	3463200
2201	3463240	3463520	3463540	3464020	3464040	3464520	3464540	3464560	3465200	3465400	3466040	3466060	3467000
2201	3468200	3468600	3469000	3492530	3492540	3570512	3570514	3570516	3570518	3571000	3571500	3572000	3572500
2201	3573000	3573500	3574000	3574500	3582610	3583000	3583500	3584000	3585000	3631020	3631040	3631520	3631540
2201	3636520	3636540	3637020	3637040	3852000	9220100	9220200	9220300	9220400				
2241	3471000	3471500	3472520	3473320	3473360	3473380	3474000	3474500	3475000	3475500	3476020	3476040	3476500
2241	3476800	3476900	3477000	3477200	3477500	3480010	3480030	3480040	3480050	3480060	3480090	3480510	3480530
2241	3480540	3480550	3480560	3480570	3480580	3480590	3491010	3491012	3491030	3491040	3491050	[illegible]	3491070
2241	3491500	3492010	3492030	3492050	3492060	3492090	3492520	3493010	3493040	3493050	3493060	3856000	3856020
2241	3856040	3856120	3856140	3856320	3856340	3857020	3857040	3857520	3857540	3857560	3858020	3858040	3858500
2241	3859000	7038000	7038500	7039020	7039040	7039500	7039520	7039540	7480500	7481000			
2251	3740520	3740540	3741020	3741040	3741520	3741540	3742000	3742500	3743000	3743520	3743540	3743560	3744020
2251	3744040	3744520	3744540	3745000	3745500	3746000	3746500						
2252	3740520	3740540	3741020	3741040	3741520	3741540	3742000	3742500	3743000	3743520	3743540	3743560	3744020
2252	3744040	3744520	3744540	3745000	3745500	3746000	3746500	3827801					
2253	3800012	3800015	3800018	3800021	3800024	3800027	3800030	3800036	3800205	3800210	3800215	3800220	3800225
2253	3800302	3800305	3800308	3800311	3800312	3800313	3800316	3800320	3800323	3800325	3800326	3800327	3800329
2253	3800335	3800336	3800337	3800338	3800340	3800341	3800344	3800348	3800349	3800403	3800406	3800409	3800412
2253	3800415	3800418	3800421	3800424	3800427	3800510	3800520	3800530	3800615	3800625	3800630	3800635	3800640
2253	3800645	3800650	3800655	3800690	3804500	3805710	3805720	3805730	3805740	3805750	3805790	3805900	3806010
2253	3806020	3806030	3806040	3806050	3806090	3806160	3807200	3808110	3808120	3808132	3808134	3808136	3808142
2253	3808144	3808146	3808190	3820002	3820008	3820010	3820012	3820014	3820016	3820020	3820022	3820024	3820026
2253	3820028	3820030	3820032	3820034	3820205	3820210	3820215	3820220	3820225	3820230	3820235	3820240	3820301
2253	3820305	3820306	3820307	3820309	3820310	3820311	3820312	3820313	3820314	3820315	3820318	3820319	3820320
2253	3820321	3820322	3820323	3820324	3820325	3820326	3820327	3820328	3820329	3820330	3820331	3820332	3820333
2253	3820334	3820335	3820336	3820337	3820338	3820339	3820340	3820341	3820342	3820344	3820345	3820346	3820347
2253	3820348	3820349	3820350	3820351	3820352	3820353	3820402	3820404	3820406	3820408	3820410	3820412	3820414
2253	3820416	3820418	3820420	3820422	3820424	3820426	3820428	3820430	3820434	3820436	3820438	3820440	3820442
2253	3820444	3820446	3820448	3820510	3820520	3820530	3820605	3820610	3820625	3820630	3820635	3820640	3820650
2253	3820655	3820660	3820665	3820670	3820675	3820680	3820685	3820690	3820695	3823900	3824500	3825410	3825420
2253	3825425	3825430	3825435	3825440	3825445	3825600	3825750	3825755	3825760	3825765	3825770	3825775	3825780
2253	3825790	3825810	3825820	3825830	3825840	3825845	3825850	3825860	3825870	3825880	3825890	3826900	3826940
2253	3826960	3826980	3827290	3827802	3827804	3827806	3827808	3827810	3827812	3827814	3827816	3827818	3827822
2253	3827824	3827826	3827830	3827840	3827850	3827860	3827862	3827864	3827866	3827872	3827874	3827876	3827880
2253	3827881	3827882	3827883	3827884	3827885	3827886	3827887	7020522	7020532	7020546	7025400	7025600	7029000
2253	7029500	7031000	7031020	7031040									
2254	3780541	3780542	3780544	3780546	3780548	3780549	3780551	3780552	3780554	3780555	3780556	3780557	3780558
2254	3780559	3781012	3781014	3781016	3781029	3781032	3781034	3781039	3781050	3781060	3781512	3781514	3781516
2254	3781529	3781532	3781534	3781539	3781550	3781560	3783510	3785010	3786010				
2256	3451020	3451040	3451060	3453000	3453500	3455021	3455022	3455024	3455026	3455028	3455029	3455041	3455042
2256	3455044	3455046	3455048	3455049	3455061	3455062	3455064	3455066	3455068	3455069	3455081	3455082	3455084
2256	3455086	3455088	3455089	3456000									

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
2259	3665720	3665740	3670500	3671000	3673500	3675000	3676500	3721520	[illegible]	[illegible]	7045500	7047500	7048540
2280	3006020	3006022	3006024	3006026	3006028	3010000	3011000	3012000	[illegible]	[illegible]	3015000	[illegible]	[illegible]
2280	3018000	3019000	3020020	3020022	3020024	3020026	[illegible]	3021020	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2280	3022022	3022024	[illegible]	3022028	3023020	3023022	3023024	3023026	[illegible]	[illegible]	3024020	[illegible]	[illegible]
2280	[illegible]	3025020	3025022	3025024	3025026	[illegible]	[illegible]	3026022	[illegible]	[illegible]	3026026	[illegible]	[illegible]
2280	3027024	3027026	3027028	3028020	3028022	3028024	[illegible]	3028028	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2280	3032040	3032042	3076000	3076200	[illegible]	3076406	[illegible]	3076412	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2280	3084500	3084700	3085000	3085100	3085500	3086000	3086500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2280	3100520	3100540	3100560	3100620	3100640	3100660	3101015	3101115	[illegible]	[illegible]	[illegible]	[illegible]	3102100
2280	3102160	3104010	3104025	3104045	3105010	3109020	3105025	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2280	3123000	[illegible]	[illegible]	3471500	3472100	3476900	3480010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2280	3480530	3480540	3480550	3480560	3480570	3480580	3480590	3491010	[illegible]	[illegible]	3491040	[illegible]	3491060
2280	3491090	3491500	3492010	3492030	3492050	3492060	3492090	3492510	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2280	[illegible]	3493040	3493050	3493060	3493090	[illegible]	3856040	3856120	[illegible]	[illegible]	[illegible]		
2284	3032040	3032042	3089000	3109000	3109100								
2291	3551520	3551540	3551560	3551580	3551590	3551620	3551640	3551660	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2291	7902300												
2292	3500010	[illegible]	3500040	3500050	3500060	3500090	3510500	3511000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	3512530	3512540	3512550	3512560	3512590	3513000	3514010	3514030	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	3514610	3514650	3514660	3514690	3515010	3515030	3515040	3515050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	3517050	3517060	3517090	3518010	3518030	3518040	3518050	3518060	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	3519060	3519090	3521010	[illegible]	3522040	3522050	3522060	3522090	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	3523020	3524010	3524030	3524040	3524050	3524060	3524090	3525000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	3528090	3650000	3650500	3651040	3651050	3651060	3651090	3651510	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	3652000	3652510	3652930	3652540	3652550	3652590	[illegible]	3652940	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	[illegible]	3653540	3653550	3653560	3653590	3654010	3654030	3654540	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	[illegible]	3655050	3655060	3655090	3655500	3656010	[illegible]	3656560	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2292	3657560	3657590	[illegible]	3860610	3860620	3860830	3860840	3860850					
2293	1864000	3550200	[illegible]	3550510	3550550	3551800	3552000	3552510	[illegible]				
2294	3004020	3004040	3004060	3004070	3004500	3005000	[illegible]	3043220	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2294	3071600	3071900	3073000	3081000	3081200	3081600	3081800	3082000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2294	3097550	3851000	[illegible]										
2295	[illegible]	3555500	3556000	3556510	3556530	3557000	[illegible]	3558000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2295	3561040	3561060	3561090	3561510	3561530	3564540	[illegible]	3561560	[illegible]	[illegible]	[illegible]	[illegible]	3563000
2295	[illegible]	[illegible]	3564500										
2296	3578010	3578060	3578090										
2297	1775800	1776200	3060004	3060014	3060024	3060034	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2297	3062425	3063334	3063344	3063354	3063364	3063374	[illegible]	3063445	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2297	3065300	3065400	3066300	3066400	3067300	3067400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2297	3098000	3099000											
2298	3150500	3151000	3151500	3152020	3152040	3152500	3153000	3153500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2298	3157000	3157500	3158000	[illegible]	3159000	3159500	3160500	3161100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2298	3166000	3167000	3553500	3554000	3554200	3554560	[illegible]	7314000	[illegible]	7314400	7314420	[illegible]	7314460
2298	8702100	8702500											
2299	[illegible]	1927000	1924000	3031000	3040400	3041400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2299	3044000	3044400	[illegible]	3045200	3045800	3050200	[illegible]	3050600	[illegible]	[illegible]	[illegible]	[illegible]	3051400
2299	3051600	3051800	[illegible]	3052200	3052800	3053000	[illegible]	3055000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2299	3125000	[illegible]	[illegible]	3190500	3190700	3354022	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2299	3359020	[illegible]	[illegible]	3390040	3390500	3394020	3391040	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2299	3473000	[illegible]	3492510	3492550	3493030	3493090	[illegible]	3550400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2299	[illegible]	[illegible]	[illegible]	3582630	3586000	3591020	[illegible]	3591060	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2299	[illegible]	[illegible]	[illegible]	3594060	3595020	3595040	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
2391	3660300	3660600	3660900	3661200	3661520	3661540							
2392	3630100	3630200	3630510	3630515	3630520	3630525	[illegible]	3630545	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3632590	3633010	3633020	3633030	3633040	3633520	[illegible]	3634020	[illegible]	[illegible]	3634520	[illegible]	[illegible]
2392	3635020	3635040	3635060	3635080	3635120	3635140	[illegible]	3635180	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3636040	3636060	3637500	3638000	3638520	3638540	[illegible]	3639000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3641520	3641540	3642000	3642200	3642500	3643000	[illegible]	3657700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3658540	3658550	3658560	3658590	3660300	3660600	[illegible]	3661200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3661860	3662120	3662140	3662160	3662180	3664420	[illegible]	3662460	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3663000	3663300	3663600	3663900	3664200	3664500	[illegible]	3664700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3665740	3666000	3666300	3666500	3666900	3667200	[illegible]	3667700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3671500	3672000	3672500	3673000	3673500	3674000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2392	3853000	7278020	7278060	7723500									
2393	3854500	3855000	3855300	3855520	3855540								
2395	3531010	3531030	3531040	3531050	3531060	3531090	3535012	3535014	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2395	3535034	3535036	3535042	3535044	3535046	3535052	3535054	3535056	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2395	3576040	3576050	3576060	3576090	3577010	3577030	3577040	3577050	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2395	3635060	3657010	3657030	3657040	3657050	3657060	[illegible]	3860400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2395	3860590	3860810	3860820	3860830	3860840	3860850							
2396	3471000	3471500	3472000	3550200	3550400	3550510	[illegible]	3552000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2396	3893000	3896000	3897000	3898000	7038000	7038500	[illegible]	7039040	[illegible]	[illegible]	[illegible]		
2397	1862000	3531010	3531030	3531040	3531050	3531060	[illegible]	3535012	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2397	3535032	3535034	3535036	3535042	3535044	3535046	[illegible]	3535054	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2397	3576010	3576030	3576040	3576050	3576060	3576090	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2397	3657030	3657040	3657050	3657060	3657090	3724400	3720600	3720820	[illegible]	[illegible]	[illegible]		
2399	3579000	3579100	3579500	3579590	3579600	3580510	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2399	3581600	3861000	3862000	3862500	3863000	3864000	[illegible]	[illegible]	[illegible]	3873000	[illegible]	[illegible]	[illegible]
2399	3884000	3891000	3892000	3893000	3894000	3895000	[illegible]	3897000	[illegible]	[illegible]	[illegible]		
2411	2003510	2003515	2003520	2003525	2003530	2003535	[illegible]	2003545	2003547	2003550	[illegible]	[illegible]	[illegible]
2411	2003560	2003563	2003565	2003567	2003570	2003573	2003575	2003580	2003585	[illegible]	[illegible]	[illegible]	[illegible]
2411	2006030	2006040	2006050	2007520	2222000	2222500							

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS
2421	2000300 2001000 2001500 2001520 2001540 2006500 2020000 2020320 2020340 2020620 2020640 2020820 2020840
2421	2021220 2021240 2021520 2021540 2021820 2021840 2022120 2022140 2022400 2022420 2022440 2022720 2022740
2421	2022760 2022780 2023000 2023020 2023040 2023200 2023300 2023420 2023440 2023500 2023620 2023660 2023680
2421	2023700 2023720 2023820 2023920 2023940 2024020 2024040 2024120 2024140 2024220 2024320 2024360 2024380
2421	2024310 2024320 2024340 2024340 2024350 2024360 2024400 2024520 2024540 2024600 2024720 2024740 2024800
2421	2025000 2025200 2025220 2025240 2025720 2025740
2426	2005000 2005500 2005540 2025300 2025400 2025600 2025820 2025840 2026000 7274000 7306701 7307101
2429	2002500 2008520 2008540 2041500
2431	2026200 2026320 2026340 2026360 2026420 2026440 2063000 2063020 2063040
2432	2400020 2400040 2400120 2400140 2400160 2400200 2400320 2400340 2400400 2400600 2401060 2401200 2401400
2432	2401420 2401440 2401460 2401600 2401720 2401740 2401760 2401810 2401830 2401840 2401850 2401860 2401870
2432	2401900 2402000 2402100 2402320 2402340 2402360 2402500 2402610 2402620 2402640 2402660 2402680 2402700
2432	2405000 2405200 2405400 2405600 2405800 2406000 2406000
2433	2070040 2070060
2491	2025200 2025220 2025240 2025400 2025600 2025720 2025740 2025820 2025840 2026000 2026600
2499	2000600 2002000 2007540 2008020 2009040 2009100 2009300 2009500 2026600 2031000 2032000 2033000 2034500
2499	2064700 2065000 2065200 2065300 2065400 2066000 2066500 2066700 2068500 2068700 2068950 2068960 2068970
2499	2069740 2070020 2070030 2070040 2070050 2070100 2201000 2201500 2202000 2202500 2203001 2204100 2204500
2499	2203500 2204000 2204060 2204600 2205000 2221020 2221040 2222800 2223000 2223200 2223400 2223600 2223700
2499	2224100 2224200 2224400 2225000 2226000 2226200 2226400 2450000 2451000 2452000 2453000 2454501 2455000
2499	2459060 6527000 6527300 7008300 7106300 7107200 7203000 7900500 7900600
2500	2564000 2565000 2565200 2565400 2566500 2566700 2567000 2567500 2568500 2570000
2511	7271000 7271500 7273020 7273040 7273500 7274000
2512	7274500 7274700 7275000
2514	7275200 7275500
2515	7278040 7278080
2519	7273500 7274000 7275500
2521	7271000 7271500 7273020 7273040 7273500 7274000
2522	7275200 7275500
2531	7274800 7275500
2541	7273500
2542	7275500
2591	7275500
2599	6855040 7270600 7270700 7271000 7271500 7273020 7273040 7273500 7274500 7274700 7274800 7275000 7275500
2599	8507000
2605	2701500 2707000 2708500 2730500 2731000 2731500 2732000 2733500 2734000 2735500 2737000 2737500 2738000
2605	2738500 2739000 2739500 2741000 2741500 2742000 2742300 2742700 2742000 2743300 2743500 2744000 2745000
2605	2746000 2746500 2747000 2747300 2747500 2748000 2748500 2749000 7342500
2611	2500205 2500210 2500215 2500220 2500230 2500235 2500240 2500245 2500250 2500255 2500260 2500265 2500270
2611	2500280 2500285 2500295 2500400
2621	2511000 2511500 2512000 2520500 2521000 2521300 2521500 2521700 2522500 2522700 2523000 2523500 2524000
2621	2524200 2524500 2525000 2525500 2525700 2525900 2526100 2526300 2526500 2526720 2526740 2527000 2527300
2621	2527500 2527700 2527900 2528120 2528130 2528140 2528160 2528170 2528180 2528400 2528420 2528440 2528600
2621	2529000 2530500 2531000 2532500 2533020 2533040 2540520 2540540 2542500 2544000 2544200 2544600 2544800
2621	2561320 2561340
2631	2512500 2513000 2513500 2514000 2514500 2514900 2515100 2515120 2515140 2522000 2540500 7912700
2641	2531500 2532000 2533500 2534000 2534500 2543000 2543200 2543500 2544000 2545000 2545400 2545600 2545800
2641	2546300 2546500 2547000 2547500 2548000 2548500 2549000 2549500 7005500
2642	2564200 2564400
2643	2224400
2644	2560500
2645	2563020 2563040 2563500
2646	2567000 2567500
2647	2527700 2527900
2649	2542000 2561000 2561500 2562000 2562500 2563020 2563040 2563500 2564000 2566500 2566700 2568000 2568500
2649	2569000 7377000 7902500
2661	2458000 2459020 2459040
2701	4010200 4012600 4013000 4014200 4014600 4015800 4016400 4030200 4030400 4030600 4030800 4031000 4034000
2701	4034200 4034400 4034600 4034800 4035000 4036000 4037000 4037500 4037800 4038000 4039000 4054000 4054500
2701	4055500 4060200 4060400 4061000 4065000 4068000 4067000 4068020 4068040 4068060 4068080 4081000 4081500
2701	4082000 4082500 4083000 4083500 4084000 4084500 4085000 4087000 4087500 4088000 4090000 4150500 4151000
2701	4151500 4152000 4152500 4152700 4153000 4153500 4154000 4155000 4160500 4161000 4161500 4162000 4162500
2701	4163000 4163500 4164000 4164500 4164520 4164540 4171000 4171200 4171400 4171600 4171800 4172000 4172200
2701	4172400 4172600 4172800 4173000 4173200 4173400 4173600 4173800 4174000 4174200 4174400 4175000 4175200
2701	4175400 4176000 4176200 4176400 4177000 4177200 4177400 4177600 4177800 4178000 4179000 4179200 4180100
2701	4181200 4181400 4181600 4181800 4182000 4182200 4182400 4182600 4182800 4183000 4183200 4183400 4183700
2701	4184000 4185000 4185200 4186000 4186200 4186800 4186900 4187000 4187200 4187400 4187600 4187800 4188000
2701	4189200 4189400 4190200 4190400 4191000 4192000 4192200 4192400 4192600 4193200 4193400 4193600 4193800
2701	4194000 4194200 4194400 4195000 4195200 4195300 4195400 4195420 4195440 4196000 4197000 4197200 4197400

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
2701	4197600	4198000	4198200	4198400	4199000	4200000	4200200	4200400	[illegible]	[illegible]	4201200	[illegible]	[illegible]
2701	4201800	4202000	4202200	4202400	4202600	4202800	4203000	4203200	[illegible]	[illegible]	4204000	[illegible]	[illegible]
2701	4205400	4205600	4205800	4206000	4207000	4207200	4207400	4207800	4208200	[illegible]	[illegible]	[illegible]	[illegible]
2701	4210400	4210600	4210800	4211000	4211400	4211600	4211800	4212200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4215000	4215200	4215600	4216000	4216200	4216400	4216800	4217000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4219000	4220000	4221000	4221200	4221400	4221600	4222000	4222600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4223000	4223200	4223400	4223600	4223800	4227200	4227600	4227800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4230000	4230200	4230600	4230800	4250000	4250200	4250400	4251000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4252000	4252200	4252400	4252600	4252800	4253000	4253200	4254000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4255000	4255200	4255400	4257200	4257400	4257600	4257800	4258200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4260000	4260200	4260400	4260800	4261000	4261200	4261400	4261600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4263000	4263200	4264000	4264400	4264600	4265200	4265400	4265600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4267000	4267200	4267400	4268200	4268400	4268600	4268800	4269200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4270000	4270200	4271200	4271400	4271600	4271800	4272000	4272200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4274000	4274400	4274600	4274800	4275200	4275300	4275400	4275600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4277000	4277200	4277400	4278200	4278400	4278800	4279200	4279400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4281000	4282000	4282400	4282600	4283000	4283200	4283400	4284000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4285000	4285200	4285600	4286400	4286600	4286800	4287200	4288600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4289000	4289400	4289600	4290000	4291000	4291200	4291800	4292200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4293400	4293800	4294200	4294400	4294600	4294700	4294800	4295000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4295800	4373600	4374000	4375100	4376800	4377000	4400500	4401500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4604500	4605000	4605500	4606000	4606500	4607000	4607500	4608000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4720000	4720500	4730200	4730600	4731000	4731200	4731400	4731600	4731[illegible]	[illegible]	4742[illegible]	[illegible]	[illegible]
2701	4734000	4734400	4734600	4734800	4735000	4735200	4735400	4735600	4735[illegible]	4736000	4736[illegible]	4737[illegible]	[illegible]
2701	4737200	4737400	4737600	4737800	4738000	4738200	4738400	4738600	4738[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4805[illegible]	4805[illegible]	4806[illegible]	4806510	4900500	4901000	4902[illegible]	4902[illegible]	4902[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2701	4903000	4903500	4907[illegible]	4909000	4909200	4909400	4910000	4931000	4932[illegible]	4932[illegible]	4932[illegible]	[illegible]	[illegible]
2701	4943[illegible]	4945[illegible]	4946[illegible]	4946000	4946020	4946040	4946520	5171100	5191100	9071500	9074[illegible]		
2711	2700[illegible]												
2721	2700[illegible]	2700[illegible]	2700[illegible]										
2731	2700[illegible]	2701[illegible]	2702[illegible]	2702520	2702540	2702560	2702580	2703000	2703[illegible]	2704000	2704[illegible]	[illegible]	
2732	2700[illegible]	2701[illegible]	2701500	2702000	2702520	2702540	2702560	2702580	2703[illegible]	2704[illegible]	2745[illegible]	[illegible]	
2741	2700[illegible]	2701[illegible]	2701500	2707000	2708500	2730500	2731000	2731500	2732[illegible]	2744[illegible]	2745[illegible]	[illegible]	2756[illegible]
2753	2747[illegible]	2748[illegible]	2749000										
2761	2563[illegible]	2563041	2563500										
2771	2740[illegible]	2740[illegible]	2740520	2740540									
2782	2565[illegible]	2565[illegible]	2566000										
2789	2702520	2702541	2702560	2702580	2703500	2704000	2704500	2705000	2705[illegible]	2706[illegible]	2706[illegible]	[illegible]	
2793	6603807												
2794	6603807												
2821	4052500	4450[illegible]	4451000	4451500	4452000	4452500	4453000	4453500	4454[illegible]	4[illegible]	[illegible]	[illegible]	[illegible]
2821	4455000	4455020	4455040	4457500	7712500	7731500							
2822	4461000	4461020	4461500	4461510	4461520	4461530	4461540	4461550	4461[illegible]	[illegible]			
2823	3095[illegible]	3095[illegible]	3096[illegible]	3093000	3094320	3094325	3095020	3[illegible]6000	3[illegible]	3096[illegible]	3101[illegible]	[illegible]	[illegible]
2823	3100160	3100[illegible]	3100[illegible]	3100240	3100260	3100125	3101120	3101125	3101[illegible]	3101[illegible]	3114[illegible]	[illegible]	[illegible]
2824	3095[illegible]	3095[illegible]	3096[illegible]	3092100	3092500	3093100	3093500	3094100	3[illegible]	3096[illegible]	3096[illegible]	[illegible]	[illegible]
2824	3096620	3096[illegible]	3096[illegible]	3096650	3100145	3100165	3100245	3100265	3101[illegible]	3101[illegible]	3101[illegible]	[illegible]	[illegible]
2841	4283000	4283800	4660[illegible]	4661000	4661500	4662000	4662500	4663000	[illegible]				
2842	4931000	4940[illegible]	4940[illegible]	7923200									
2843	4053020	4053040	4053[illegible]	4053060	4053500	4650500	4651000	4651500	4652[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2843	4654[illegible]	4655[illegible]	4655[illegible]	4656000	4656500	4657000	4657500	4658000	4658[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2844	4610[illegible]	4611[illegible]	4611[illegible]	4612010	4613000	4613501	4614000	4614500					
2851	1801040	4743000	4743500	4744000	4744200	4744400	4744600	4745000	4745[illegible]	4746[illegible]			
2861	1885023	1885041	1885060	2003000	4701500	4702300	4702500	4705500	4705720	4705740	4705[illegible]	[illegible]	[illegible]
2861	4706500	4706520	4934500	4934610	4934700	4938200	4944000	7261500					
2871	4806520	4806560	4807000	4807020	4807040	4807500	4808010	4808020	4808[illegible]	4[illegible]	4808[illegible]	[illegible]	[illegible]
2871	4808090												
2872	4808020	4808030	4808040	4808050									
2879	4051500	4181000	4190000	4238200	4250800	4263200	4930400	4935600	4937[illegible]				
2891	4550600	4551600	4551800	4552000	4552200	4552400	4553000	4553200	4553[illegible]	4[illegible]	4553[illegible]	[illegible]	[illegible]
2891	4554400	4554600	4935000	7921000									
2892	4050400	4050500	4050600	4851000	4852000	4853000	4854000	4855000	7554[illegible]	7554520	7554540	7[illegible]	
2893	4742620												
2895	4730400												
2899	4051000	4238000	4238400	4238600	4238800	4239000	4239200	4239400	4239600	4320000	4320200	4520400	
2899	4520600	4520800	4521000	4521200	4521400	4521600	4521800	4522000	4522[illegible]	4522400	4522600	4522800	4523200
2899	4523400	4523600	4523800	4524000	4524200	4524400	4524600	4524800	4525000	4525[illegible]	4525400	4525600	4525800
2899	4526000	4526200	4526400	4526600	4526800	4527000	4528000	4528020	4528[illegible]	4[illegible]	4742080	4742640	4901200
2899	4901200	4901400	4901420	4901440	4902000	4902200	4902400	4902420	4902440	4902600	4902620	4902640	4902[illegible]
2899	4942400	5402100	5402700	7551500	7552000	7903500	7903700						

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS													
2901	1901000	4070200	4070400	4070600	4070800	4071000	4071200	4072000	4072500	4073000	4073200	4073500	4074	
2901	4074500	4075000	4075500	4076000	4077000	4077200	4077500	4078000	4078	4079	4079	4079	4079	
2901	4250600	4351000	4360000	4370000	4370200	4370400	4370600	4370800	4370820	4370840	4370860	4371200	4371	
2901	4371600	4371800	4372000	4372200	4372400	4373000	4373200	4373800	4374000	4374400	4374600	4374800	4375	
2901	4375200	4375400	4375500	4375600	4375700	4375800	4376000	4376400	4376500	4376600	4377000	4377200	4377	
2901	4378210	4378220	4378230	4378235	4378240	4378245	4378250	4378260	4379400	4379600	4380100	4380206	4380	
2901	4393040	4394060	4395020	4395040	4395060	4395080	4400000	4754000	4956	4956	4956			
2951	5211100													
2952	5510500													
3011	7724500	7724800	7725000	7725105	7725115	7725120	7725125	7725130	7725135	7725140	7725150	7725400	7725	
3011	7725960	7726000												
3021	7005035	7005045	7005065	7005085	7005200	7005320	7005340	7005520	7005	7005	7005	7005	7005	
3021	7005565	7005575	7006005	7006015	7006025	7006030	7006035	7006045	7006	7006				
3031	4462000													
3069	3580210	3580290	3580300	3580610	3580690	7058400	7058420	7058440	7703000	7704000	7705	7707	7709	
3069	7724000	7724200	7726560	7726600	7733500									
3079	3558100	3582410	3582430	4946000	6963500	7005015	7005025	7005100	7007220	7007240	7056600	7351	7351	
3079	7501000	7700500	7700700	7701000	7712000	7712020	7712040	7713000	7713100	7713500	7713	7713	7714	
3079	7714220	7714230	7714240	7714250	7714500	7715000	7715500	7720300	7720	7720	7721	7722	7722	
3079	7725110	7727000	7727500	7728000	7728100	7728500	7728600	7729700	7730	7732	7734	7741	7742	
3079	7744500	7744000	7746000	7746040	7747000	7900700	7903900	7904500	7942					
3101	4011000	4017200	4017400	4250400	4295020	4295040	4295200	4750520	4750	4750	4750	4751	4751	
3101	4751040	4751050	4751510	4751520	4751530	4751560	4752520	4752540	4752	4753	4753	4754	4754	
3101	4755500	4756000	4756520	4756540	4757000	4942200	5175100	5211100	5213					
3111	1205000	1211000	1211500	1212000	1212500	1212000	12135	1214000	1214	1215	1215	1215	1215	
3111	1215640	1215705	1215710	1215715	1215720	1215725	1215730	1215735	1215	1215	1215	1216	1216	
3111	1216500													
3121	7913000													
3131	7912000	7912500	7913500	7915000										
3141	7000500	7001000	7001005	7001015	7001025	7001035	7001500	7002020	7002040	7002	7002	7002	7002	
3141	7002615	7002625	7002630	7002635	7002645	7002650	7002655	7002665	7002	7002	7002	7002	7003	
3141	7002738	7002745	7002748	7002755	7002765	7002775	7002800	7002920	7002	7003	7003	7003	7003	
3141	7003040	7003060	7003505	7003515	7003525	7003530	7003535	7003540	7003	7003	7003	7003	7003	
3141	7004570	7004575	7004580	7004005	7004015	7004017	7004018	7004022	7004	7004	7004	7004	7004	
3141	7004041	7004042	7004043	7004044	7004051	7004052	7004053	7004054	7004	7004	7004	7004	7004	
3141	7004073	7004074	7004100	7004305	7004310	7004315	7004320	7004325	7004	7004	7004	7004	7004	
3141	7004355	7004360	7004365	7004370	7004375	7004505	7004510	7004515	7004	7004	7004	7004	7004	
3141	7004545	7004550	7004555	7004560	7004565	7004570	7004575	7006520	7006	7006	7006	7006	7006	
3141	7006840	7006860	7007020	7007040	7007050	7008020	7008040	7008050	7008	7008	7008	7008	7008	
3142	7003200	7006620	7006820	7007500										
3151	7053510	7053520	7053530	7053540	7054000	7054200	7054300	7054400	7054	7054	7054	7054	7055	
3151	7055200	7055300	7055400	7055500	7055600	7055700	7055800	7056000	7056	7056	7056	7056	7056	
3151	7056900	7057000	7057100	7057200	7057300	7057400	7057600	7057800						
3161	7060840	7060860	7062010	7062015	7062020	7062040	7062045	7062050	7062	7062	7062	7062	7062	
3161	7062430	7062440	7066035	7260500										
3171	7060600	7060620	7060640	7060820	7061000	7061020	7061040	7061100	7061120	7061140	7061	7061	7061	
3171	7061400	7061420	7061440	7062240	7062320	7062340	7062360	7062410	7062415	7062420	7062	7062	7063	
3171	7063060	7064000	7064500	7064700	7066020									
3172	2043500	2044000	2045000	7060400	7060500	7062460	7063000	7065000	7065	7065	7066	7566	7915	
3199	7901000	7903000	7913000	7914500	7914800	7916500	7918000	7918100	7919	7919				
3221	5451100	5451700	5452100	5452500	5452700									
3241	5111100	5111420	5111440											
3251	5321100	5321400	5323100	5324100	5326100									
3253	5322120	5322140	5322160	5322400	5322700									
3255	5311100	5312100	5312400	5312700	5313900									
3259	5326100													
3261	5353120	5353140												
3262	5334100	5335100	5336300	5336500	5336600	5336700	5336800	5336900	5337100	5337300	5337	5337		
3263	5331400	5331600	5332300	5332500	5332600	5332700	5332800	5333100	5333300	5333500	5333	5333	5334	
3264	5351100	5351120	5351140	5351200	5351410	5351420	5351425	5351430	5351440	5351450	5351	5351	5351	
3269	5331100	5341100	5342100	5343100	5347400	5347600	5348100	5348400	5348700	5349100	5349	5349	5351	
3269	5352400	5352700	5354100	5361100	5361500									
3271	5116100	5117100												
3272	5113100	5114100	5115100	5116100	5117100									
3273	5112100	5112500												
3274	5121100	5121400	5310400											
3275	2457000	5123100	5123500	5124400										

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
3281	5137400	5138100	5138400	5139400	5142400	5144100	5144400	5145700	5146500	5148100	5151100	5151400	5152400
3281	5153100	5153400	5155400	5156100	5156400								
3291	4229000	5192120	5192140	5192160	5193720	5193740	5193760	5195100	5196100	5197100	5198100	[illegible]	[illegible]
3291	5198600	5199100	5199300	5199500	5199700	5201900	5202000	5202100	6081000	[illegible]	[illegible]	[illegible]	
3292	5182100	5184100	5184400	5185100	7732500	7732600							
3293	5185100	7732500	7732600										
3295	5310400												
3296	5228100	5407100	5407200										
3297	5311100	5312100	5312400	5312700	5313100	5313300	5313500	5313700	5313900				
3299	5124100	5135100	5143400	5166100	5167100	5167300	5167400	5167600	5169100	5169600	5169[illegible]	[illegible]	5237[illegible]
3299	5235100	5236100	5239100	5239120	5239140	5239400	7904000	8512000					
3312	4010400	4010600	4010800	4011200	4011400	4011600	4011800	4012000	4012200	4012400	4013200	4013400	4013600
3312	4013800	4014000	4014400	4014800	4015000	4015200	4015400	4015600	4016000	4016200	4016600	[illegible]	4017000
3312	4017600	4018000	4803500	5213140	6071500	6071800	6072000	6072100	6072500	6073000	6073100	[illegible]	[illegible]
3312	6073700	6074000	6074500	6075000	6075100	6075200	6075300	6075500	6075700	6076000	6076500	6077000	6077500
3312	6078000	6080200	6080400	6081500	6081600	6081820	6081840	[illegible]	[illegible]	[illegible]	6084100	[illegible]	[illegible]
3312	6084520	6084540	6084560	6084600	6084620	6084640	6084660	6084800	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	[illegible]	6085260	6085270	6085280	6086000	6086100	6086200	6087100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6087600	6087680	6087620	6087640	6087660	6087680	6088100	6088200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6088530	6088540	6088550	6088560	6088720	6088742	6088744	6088805	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	[illegible]	6089000	6089099	6089100	6089200	6089300	6089410	6089430	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6089620	6089640	6090220	6090240	6090320	6090340	6090420	6090440	[illegible]	[illegible]	6090720	[illegible]	[illegible]
3312	6090840	6091200	6091300	6091500	6091700	6092000	6092100	6092200	[illegible]	[illegible]	6092700	[illegible]	[illegible]
3312	6093120	6093140	[illegible]	6093240	6093500	6093600	6093700	6094010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6094060	6094065	6094110	6094140	6094210	6094220	6094230	6094240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6094355	6094360	6094365	6094510	6094520	6094530	6094540	6094550	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6097500	6097600	6097610	6098020	6098030	6098035	6098040	6098041	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6098600	6099600	[illegible]	6099800	6102000	6102100	6102500	6102600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6103200	6103225	[illegible]	6103235	6103240	6103245	6103250	6103255	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6103740	6103760	6103920	6103960	6104000	6104040	6104220	6104240	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6104900	6104920	6104940	6105120	6105130	6105140	6105160	6105220	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3312	6429600	6429700											
3313	6073000	6073100	6073500	6073600	6073700	6074000	6074500	6075000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3313	6076000	6076500	6077000	6077500	6078000								
3315	6460200	6462000	6462200	6462500	6462600	6462620	6462640	6462700	[illegible]	6463000	[illegible]		
3316	6085000	6085720	6086742	6088744	6088805	6088810	6088830	6088840	[illegible]	[illegible]	[illegible]		
3317	6103000	6103100	6103205	6103210	6103215	6103220	6103225	6103230	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3317	6103260	6103265	6103500	6103600	6103720	6103740	6103760	6103920	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3317	6104300	6104320	6104500	6104600	6104800	6104900	6104920	6104940	6105120	[illegible]	[illegible]	[illegible]	[illegible]
3317	6105230	6105240	6105250	6105270	6105280								
3331	6035040	6120220	6120320	6120330	6120340	6120500	6120620	6120640	[illegible]	6121700	61220[illegible]		
3332	6032500	6035010	6035510	6240220	6240320	6240330	6240350	6240360	[illegible]	[illegible]			
3333	6033000	6035020	6035030	6035520	6260200	6260400	6264000						
3334	6180100	6180200	6180400	6180600	6180620	6180640	6184500						
3339	6031000	6034000	6034500	6035530	6035540	6035550	6035560	6036000	[illegible]	6036520	6036560	[illegible]	[illegible]
3339	6050220	6050230	6050240	6050250	6050260	6050270	6050280	6050290	[illegible]	[illegible]	[illegible]	6120260	[illegible]
3339	6200220	6200300	6220200	6220420	6220440	6220600	6240260	6280500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3339	6285700	6287200	6289000	6290500	6290700	6291500	6292800	6292900	6293000	[illegible]	[illegible]	[illegible]	[illegible]
3339	6296200	6320200	6320400	6320600	6321000	6321200	6321440	6321600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3339	6324000	6324200	6324300	6324600	6324800	6325000	6325200	6325600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3339	6326600	6326800	6327800	6327900	6328400	8524000	9112200						
3341	6031000	6032000	6034000	6034500	6035050	6035060	6035530	6035540	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3341	6036560	6037000	6052040	6052080	6120380	6125500	6125600	6200220	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3341	6240260	6280500	6281500	6281700	6283500	6284500	6285520	6285700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3341	6292800	6292900	6293000	6293200	6293300	6295000	6296000	6296200	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3341	6321440	6321600	6321800	6322000	6322400	6322200	6323800	6324000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3341	6325200	6325800	6326000	6326200	6326400	6326420	6326440	6326600	[illegible]	[illegible]	[illegible]	[illegible]	
3351	6123000	6123120	6123140	6123160	6123200	6123400	6123500	6123600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3351	6124400	6124420	6124440	6124500	6125000	6125200	6126000	6126100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3351	6128200	6130200	6130300	6130400	6130600	6130800	6131000	6131100	6131200				
3352	6181540	6181700	6182520	6182540	6182560	6182580	6182720	6182740	6182760	[illegible]	[illegible]	[illegible]	[illegible]
3352	6441100	6441200											
3356	6050500	6050600	6050710	6050720	6050730	6050740	6050750	6050760	6050770	[illegible]	[illegible]	[illegible]	[illegible]
3356	6054600	6054700	6054800	6056000	6056500	6056600	6200800	6201000	6201200	[illegible]	[illegible]	[illegible]	[illegible]
3356	6204000	6204200	6221500	6221700	6222000	6222200	6222500	6224000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3356	6242000	6242200	6242400	6243000	6243200	6243400	6245000	6245200	[illegible]	[illegible]	6261700	[illegible]	[illegible]
3356	6262200	6262400	6263000	6263100	6263500	6281000	6282000	6283000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3356	6291000	6292000	6293500	6296500	6330000	6534500							
3357	6127000	6127100	6127220	6127240	6127260	6127300	6127340	6127360	6181520	6182000	6182200	[illegible]	[illegible]
3357	6880600	6880700	6881500	6881600	6882000	6884500							
3361	6184500	6541020	6541040	6574000									
3362	6540000	6540020	6540040	6540520	6540540	6573540							
3369	6541500	6542000	6542020	6542040	6575000	6576000	6577000	6577500	6578000	6579000			
3391	6082500	6082700	6520300	6524000	6524100	6804000	6902500	6903000					
3392	6120620	6120640	6180200	6291500	6328400								

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
3399	6080500	6080600	6080800	6125500	6125600	6184000	6184200	6203000	6203200	6223500	6244000	6244200	6264200
3399	9112300												
3411	6402000	6402500	6403000										
3421	6487300	6487500	6489100	6497100	6497300	6497500	6497700	6497900	6499100	6499500	6499500	6499700	6499900
3421	6499120	6499140	6500100	6500300	6501320	6501340	6501520	6501540	6501700	6501920	6502120	6502140	6502160
3421	6503100	6504300	6504320	6504340	6504520	6504540	6504700	6504920	6504940	6505520	6505540	6506100	6506300
3421	6506500	6507100	6507300	6507500	6507900	6508100	6508700	6508900	6509100	6511120	6511140	6511320	6511340
3421	6511560												
3423	6485100	6485300	6485500	6485700	6486100	6486300	6486500	6486700	6486900	6487100	6487120	6488500	6488900
3423	6489300	6489500	6489720	6489740	6490100	6490300	6490500	6490700	6490920	6491120	6491140	6491700	6491900
3423	6496500	6496720	6496740	6496750	6496760	6496770	6496780	6512100	6512300	6512500	6512700	6512900	6513100
3423	6513700	6513900	6514500	6514720	6514740	6514900	6515100	6515300	6515500	6517560	6539540	7106700	7107000
3425	6491100	6491400	6491420	6491440	6491700	6491900	6492100	6492300	6492400	6492420	6492440	6492500	6492600
3425	6492700	6492900											
3429	6466500	6466700	6466800	6468100	6468200	6468300	6468400	6468500	6468600	6468700	6468900	6469000	6469020
3429	6469040	6469200	6469500	6469560	6469700	6469800	6470020	6470040	6470060	6470100	6470200	6470320	6470340
3429	6470360	6470500	6470600	6471000	7900300	7905900	7906000	7906100	7906200	7906300			
3431	6536500	6540520											
3432	6573520												
3433	6534500	6535025	6535035	6535040	6612500								
3441	6098400	6098600	6528000	6529000	6529200	6529400	6529500	6529600	6529800				
3442	6470500	6529000	6529200										
3443	6400500	6401000	6403500	6601000	6601500	6965000	6966000						
3444	6529400	6529500	6529600	6529800									
3446	6529400	6529500	6529600	6529800									
3449	6529400	6529500	6529600	6529800									
3461	6526500	6526520	6526540	6539720	6539740	6922700	6922710	6922800	6922810				
3471	6089000	6089099	6089100	6089200	6089300	6089410	6089430	6089510	6089520	6089530	6089540	6089560	6089620
3471	6089640	6092500	6092600	6092700	6093500	6093600	6093700	6094060	6094065	6094140	6094360	6094365	6097200
3471	6127300	6261800	6580000										
3479	6089000	6089099	6089100	6089200	6089300	6089410	6089430	6089510	6089520	6089530	6089540	6089560	6089620
3479	6089640	6092500	6092600	6092700	6093500	6093600	6093700	6094060	6094065	6094140	6094360	6094365	6097200
3479	6127300	6261800	6580000										
3461	6420200	6420600	6420800	6421020	6421040	6421060	6421200	6421400	6421620	6421640	6421800	6422000	6422100
3481	6422500	6422700	6423000	6423500	6424500	6424700	6425000	6425200	6425400	6425600	6425800	6426000	6426200
3481	6426400	6426600	6426800	6427000	6427200	6427400	6427600	6427800	6428000	6428020	6428040	6428200	6428500
3481	6428600	6428700	6428800	6429000	6429100	6522100	6522420	6522440	6522700	6523000	6523300	6523500	6523600
3481	6523800	6530200	6530300										
3491	6402000	6402500	6403000										
3492	6532000												
3493	6528400	6528500	6528599	6528600	6528700	6528800	6528900						
3496	6404000												
3497	6440200	6440220	6440240	6440600	6441500	6441700	6441800	6442000	6442200	6442400	6442600	6442800	6443000
3497	6443200	6443600	6443800	6444000	6444200	6444600	6444800	6445200	6445600	6446000	6446000	6446800	6447200
3497	6447600	6448000	6448400	6448800	6449200	6449500	6449800						
3499	6205000	6429300	6429320	6429340	6460400	6460600	6463400	6463600	6493300	6493500	6524200	6526000	6538500
3499	6539000	6539020	6539040	6539510	6539520	6539530	6539540	6539550	6540000	6540020	6540040	6540520	6540540
3499	6541020	6541040	6541500	6542000	6542020	6542040	6571500	6572000	6573000	6573540	6574000	6575000	6576000
3499	6577000	6577500	6578000	6579000	6580000	6827000	6827100						
3501	3092800	3092900	3099800	3099900	5401100	5401300	5401500	5403300	5403700	5404100	5404300	5404700	5405100
3501	5405500	5406100	5406300	5406500	5406700	5410100	5411100	5412100	5413100	5421100	5421300	5422100	5422300
3501	5422500	5423120	5423140	5423160	5423170	5423180	5423320	5423340	5423360	5423370	5423380	5423520	5423540
3501	5423560	5423570	5423580	5423720	5423740	5423760	5423770	5423780	5424220	5424240	5424250	5424260	5424320
3501	5424440	5424450	5424460	5424620	5424640	5424650	5424660	5424810	5424820	5424825	5424830	5424840	5424850
3501	5424855	5424860	5425700	5426700	5427100	5427300	5427500	5427700	5429200	5429400	5429600	5429820	5429840
3501	5431100	5432100	5432300	5432720	5432730	5432740	5432760	5432770	5432780	5433100	5436100	5436300	5436700
3501	5436900	5441100	5441400	5441600	5441700	5441720	5441740	5441800	5442100	5442600	5443200	5444100	5448200
3501	5445100	5445200	5445400	5445500	5446100	5446400	5453100	5453400	5453500	5453700	5455300	5455500	5455700
3501	5456100	5456200	5456300	5456400	5456500	5456700	5458100	5458500	5458710	5461100	5461300	5461700	5462100
3501	5462300	5462500	5463500	5463800	5464000	5464100	5464200	5464300	5464400	5464500	5464600	5464800	5468900
3501	5465000	5465100	5465200	5465300	5465400	5465500	5465600	5465700	5465800	5465900	5471100	5471300	5471500
3501	5471600	5472100	5473100	5473700	5474100	5474300	5475100	5475300	5475500	5480100	5480300	5480500	7905000
3501	8503000												
3511	6602500	6603020	6603040	6603500	6604700	6606500	6607020	6607040					
3519	6604000	6604200	6604300	6604440	6604450	6604660							
3522	6617500	6618000	6623500	6623600	6624500	6660005	6660010	6660015	6660020	6660025	6660030	6660035	6660040
3522	6660050	6660055	6661000	6923010	6923020	6923040	6923060						
3531	6494320	6640520	6640540	6640560	6640565	6641050	6747040	6782010	6782020	6923030	6923500		
3532	6494320	6640520	6640540	6640560	6640565	6641020	6641030	6782010	6782020				
3533	6494320	6640565	6785000	6785060									

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO -SIC	TSUSA NUMBERS												
3534	6641010												
3535	6641020	6641030											
3536	6641035	6641040	6641045	6641100									
3537	6924000												
3541	6743000	6743210	6743220	6743230	6743232	6743236	6743240	6743250	6743254	6743258	6743260	6743270	6743275
3541	6743280	6743504	6743506	6743508	6743510	6743520	6743530	6743532	6743534	6743536	6743538	6743540	6743544
3541	6743548	6743550	6743552	6743555	6745100	6745200	6745340						
3542	6743555	6743560	6743565	6745320									
3548	6742000	6746000	6747500	6748000	6749000	6832020	6832040						
3551	6495700	6617000	6618500	6621020	6621040	6621060	6621500	6621800	6622065	6662000	6662510	6662520	6662530
3551	6662540	6662550	6662560	6662570									
3552	6615000	6681500	6685020	6700200	6700400	6700600	6700620	6700640	6700660	6701220	6701240	6701400	6701600
3552	6701700	6701800	6701900	6702000	6702200	6702300	6702500	6702700	6702900	6703300	6703500	6704320	6704340
3552	6704350	6704360	6705000	6705200	6705400	6706600	6706800	6707000	6707200	6707400	6709000	8514000	
3553	6744000	6744210	6744230	6744240	6745360	6747000	6747020	9117000					
3554	6614000	6614500	6615500	6680020	6680040	6680220	6680240	6680260	6680400	6680600	6680700		
3555	6530500	6530700	6681020	6681040	6682025	6682030	6682035	6682040	6682045	6682050	6682520	6682540	6683200
3555	6683400	6683600	6685060	6685080									
3559	6624000	6741020	6741040	6782040	6783510	6783520	6783530	6783540	6783550				
3561	6609420	6609440	6609460	6611240	6611260	6611300	6611500	6611600	6625000	6625020	6625040	6625100	
3562	6803020	6803025	6803030	6803040	6803100	6803300	6803400	6803504	6803508	6803512	6803516	6803520	6803522
3562	6803526	6803530	6803540	6803550	6803560	6803600	6803620	6803640	6803660				
3564	6611000	6611100											
3565	6800700												
3566	6521220	6521240	6521520	6521540	6521800	6523900	6804500	6804700	6804800	6805000	6805200	6805400	
3567	6613000	6839520	6839560										
3569	6520900	6521000	6602000	6602200	6607500	6608500	6608600	6619000	6619200	6619300	6619500	6619600	6622020
3569	6622025	6622040	6622060	6622070	6700000	6720500	6744250	6744260	6745380	6761000	6782030	6782050	6782060
3569	6783020	6783040	6783200	6783220	6783240	6783500	6784520	6784540	6784560	6785000	6785060	6786100	6806700
3569	6805800	6806000	6807000	6809000	6809100								
3571	6513300	6682005	6682010	6682015	6682020	6761000	6761200	6761500	6762010	6762020	6762025	6762040	6762060
3571	6762060	6762065	6762080	6762085	6762200	6762320	6762340	6762360	6762370	6762380	6762500	6763030	6763040
3571	6763050	6854000	6854010	6854020	6854040	6854042	6854048						
3572	6760510	6760520	6760530	6760540	6760560	6760700	6765000						
3576	6622500	6622600	6623000										
3579	6685040	6765200											
3581	6784000												
3582	6704010	6704020	6704030	6704100	6704120	6704140	6704200	6704330	6704370				
3585	6611220	6612020	6612040	6612100	6613550	6613600							
3586	6609440	6609460											
3589	6621040	6621060	6785000	6785060	6833025	6833030	6833040	6833060	6833200				
3599	6605200	6605300	6605400	6605500	6785000	6785060							
3611	6861020	6861025	6861040	7124900	7125000	7125100	7130700	7130900					
3612	6820500	6820720	6820740	6820760	6821020	6821040	6821060	6821080	6862000	6862200	6862300	6862400	
3613	6859000												
3621	6822000	6822500	6823000	6824020	6824040	6824060	6825000	6825200	6825500	6826010	6826020	6826030	6826040
3621	6826060	6826500											
3622	6859000	6884000											
3623	6531500	6839000											
3624	5176100	5177100	5177400	5178100	5178200	5179100	9092500						
3629	6826060	6858040	6884000										
3631	6842000	6843000											
3632	6613505	6613510	6613513	6613517	6613520	6613523	6613525	6613530	6613537	6613540	6613542	6613545	6613547
3633	6704040	6704050											
3634	6835020												
3635	6833010	6833015	6833025	6833030	6833040								
3636	6721000	6721520	6721540	6722200	6722520	6722540							
3639	6507700	6507720	6507740	6616500	6833060	6833200	6835040	6835060	6841000	6841500	6842000	6843000	6844000
3639	6844100	6845005	6845010	6845015	6845020	6845030	6845040	6845050	6845060				

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
3641	[illegible]	[illegible]	[illegible]	6866000	6866100	6867005	6868025	6868040	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3642	6533000	6533500	[illegible]	6533740	6533760	6533778	6533810	6533820	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3642	6534060	6534080	[illegible]	6836500	6836700	6843700	6843850	7553000	912[illegible]				
3651	[illegible]	[illegible]	[illegible]	6847010	6847020	6847030	[illegible]	6847100	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3651	6852030	6852032	[illegible]	6852038	6852040	6852220	6852240	6852260	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3651	6852350	6852355	[illegible]	6852360	6852365	6852440	6853001	6853220	6853225	[illegible]	[illegible]	[illegible]	[illegible]
3651	6854015	6854022	6854025	6854030	6854032	6854035	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3651	6855000	6855020	6855500	6855520	6855540								
3652	7242500	7243000	[illegible]	7244000									
3661	6846200	6846300	6846420	6846440									
3662	6851000	6852045	6852050	6852520	6852560	6854050	6856000	[illegible]	6857100				
3674	6826050	6876030	6876035	6876045									
3679	6847050	6853270	6854070	6858000	6859005	6859010	6859015	6859025	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3679	6876008	6876050	7095040	7244500									
3691	6831000	6831100	6831500	6831600									
3692	6829500												
3693	7096100	7096300	7096600	854100									
3694	6836020	6836040	6836060	6836065	6836100	6841200	6881300						
3699	6828000	6829000	6829100	6881000	6884100	6884300							
3702	6105620	6105640	6105800	6106020	6106240	6106300	6106500	6106600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3702	6742000	6803025	6803040	6803[illegible]									
3713	6922000	6922100	6922200	6[illegible]									
3715	6926000												
3717	6581000	6604430	6604500	6605[illegible]	6605100	6605200	6605300	6605400	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3717	6609200	6609300	6609500	6920[illegible]	6920400	6920500	6920540	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3717	6921180	6921400	6921520	6921540	6921[illegible]	6922000	6922010	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3717	6922730	6922740	6922750	6922760	6922770	6922820	[illegible]	6923040	[illegible]	[illegible]	[illegible]		
3721	6941500	6942000	[illegible]	6944020	6944330	6944040	[illegible]	6944060					
3722	6604410	6604415	6604420	6604620	6604640								
3723	6946000												
3729	6946100												
3731	6960500	6961000	6961500	6963000	6963500	6964005	6965500	6966000					
3732	6960500	6961000	6961500	6963000	6964000								
3741	6562000	6562500	6563000	6563500	6900500								
3742	6901000	6901500	6902[illegible]	6903500	6904000								
3751	6525500	6525010	7325030	6925040	6925060	6925080	6925095	6925500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3751	7321020	7321040	7321220	7321240	7321400	7321600	7321800	7322000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3751	7323400	7323610	7323620	7323631	7323650	7323660	7323670	9127014	9141120				
3791	6926000												
3799	6660045	6920600	6921060	6921[illegible]	6926000								
3811	7100400	7101200	7101400	7101600	7102000	7102100	7102600	7102700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3811	7104600	7105000	7106000	7106100	7106300	7106600	7108000	7108020	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3811	7121000	7121200	7122000	7124[illegible]	8516000	8516500							
3821	7112500	7113000	7113400	7113520	7113540	7113600	7113700	7114000	7114200	[illegible]	[illegible]	[illegible]	[illegible]
3821	7116000	7116500	7116700	7117000	7118200	7118300	7118400	7118500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3821	7119300	7119400	7119600	7119[illegible]	7119420	7119840	7119860	7121500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3821	7131500	7131700	7131900										
3822	7118200	7118300	7118400										
3831	7080300	7080500	7080700	7080[illegible]	7082100	7082320	7082340	7082500	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3831	7084500	7084700	7085900	7086[illegible]	7086920	7085930	7085940	7087100	7087200	[illegible]	[illegible]	[illegible]	[illegible]
3831	7088000	7088200	7088500	7088700	7088900	7089100	7089300	7090100	7090500	[illegible]	[illegible]	[illegible]	[illegible]
3831	7116600	7120500											
3841	7090300	7090600	7090700	7091[illegible]	7091100	7091300	7091900	7091700	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3842	4950500	6851000	6852000	7095[illegible]	7095940	7094000	7094500	7095020	[illegible]	[illegible]	[illegible]		
3843	4951500	7091900	7092500	7095400	7095500								
3851	7080100	7084100	7084300	7084320	7084340	7084520	7084540	7084550	7084560	7084720	7084740		
3861	4052000	6760020	7220220	7220240	7220420	7220440	7220460	7221000	7221220	[illegible]	[illegible]	[illegible]	[illegible]
3861	7221600	7223000	7223200	7223400	7224000	7224200	7224400	7224600	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3861	7226400	7227000	7227200	7227500	7227600	7228000	7228200	7228300	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3861	7229200	7229400	7229600	7230510	7230515	7230520	7230530	7230535	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3861	7231040	7231060	7231510	7231520	7231530	7231540	[illegible]	7232000	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3861	7233500												

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
3871	6608000	7150501	7150502	7150503	7150505	7150506	7150507	7150511	7150512	7150513	7150515	7150516	7150517
3871	7150531	7150532	7150534	7150535	7150536	7150537	7150541	7150542	7150543	7150545	7150546	7150547	7150551
3871	7150552	7150553	7150554	7150556	7150557	7150571	7150572	7150573	7150575	7150576	7150577	7150581	7150582
3871	7150583	7150591	7150592	7150593	7151501	7151502	7151504	7151505	7151507	7151510	7151511	7151512	7151513
3871	7151516	7151517	7151521	7151522	7151524	7151525	7151529	7151530	7151531	7151533	7151534	7151536	7151537
3871	7151553	7151554	7151556	7151557	7151575	7151574	7152570	7151577	7151591	7151592	7152705	7152706	7152707
3871	7152040	7152510	7152520	7152530	7152540	7152710	7152720	7152730	7152740	7152910	7152920	7152925	7152930
3871	7153110	7153120	7153130	7153140	7153310	7153320	7153330	7153340	7154000	7154500	7154700	7154900	7155001
3871	7155300	7160800	7161000	7161100	7161200	7161300	7161400	7161500	7161600	7162000	7162100	7162200	7162300
3871	7162400	7162500	7162600	7163009	7163011	7163015	7163017	7163109	7163111	7163115	7163116	7163200	7163211
3871	7163215	7163217	7163300	7163311	7163315	7163317	7163409	7163410	7163411	7163413	7163414	7163415	7163417
3871	7163509	7163511	7163515	7163517	7163600	7163611	7163615	7163617	7163617	7163117	7163217	7163317	7163417
3871	7173517	7173617	7181000	7181100	7181200	7181500	7183009	7183500	7183600	7183200	7183300	7183400	7183500
3871	7182400	7182500	7182600	7183009	7183011	7183015	7183017	7183109	7183111	7183115	7183117	7183200	7183211
3871	7183215	7183217	7183300	7183311	7183315	7183317	7183409	7183410	7183411	7183413	7183414	7183415	7183417
3871	7183509	7183511	7183515	7183517	7183600	7183611	7183615	7183617	7183617	7183117	7183217	7183317	7183417
3871	7193517	7193617	7200210	7200220	7200230	7200410	7200420	7200430	7200440	7200450	7200460	7200470	7200500
3871	7200860	7201010	7201020	7201030	7201040	7201210	7201220	7201230	7201240	7201410	7201420	7201430	7201440
3871	7201610	7201620	7201630	7201640	7201810	7201820	7201830	7201840	7202300	7202340	7202350	7202360	7202370
3871	7203600	7204000	7204200	7204400	7206500	7206700	7207005	7207510	7207520	7208000	7208300	7208400	7208450
3871	7209000	7209200	7209400	7210500	7211000	7214200	7216000						
3872	7202000	7202100	7202200	7202400	7202500	7202600	7202800	7202900	7203000				
3911	7400500	7401020	7401040	7405500	7407000	7407500	7408000	7410000	7560200				
3912	7407000	7407500	7408000										
3913	5203200	5203300	5203500	5203700	5203800	5203900	5205100	5205400	5206100	5207100	7216000	7411500	
3914	6500500	6500700	6500800	6500900	6500920	6500940	6501100	6501120	6501140	6501200	6501450	6501451	6501452
3914	6503900	6503920	6503940	6504000	6504120	6504140	6504200	6505100	6505300	6505400	6505500	6505600	6505700
3914	6505700	6516000	6516200	6516400	6517500	6517510	6517515	6517530	6517535	6517000	6517020	6517030	6517040
3914	6537500	6538000	6560900	6561000	6561500	6562000	6562500	6563000	6563500	6563040	6563060	6563100	6571500
3914	9275240	9275320	9275330	9275340	9275350	9275440	9490040	9490060	9490240	9490260	9490340	9490341	9490342
3914	9490640	9490650	9490840										
3931	6610900	7250100	7250200	7250220	7250240	7250260	7250320	7250340	7250400	7250600	7251000	7251200	7251[illegible]
3931	7251600	7251800	7252000	7252200	7252300	7252420	7252440	7252460	7252470	7252600	7253000	7253100	7253300
3931	7253600	7253800	7254000	7254520	7254540	7254600	7254720	7254740	7255200	7261000	7261100	7261200	7261400
3931	7264500	7265000	7265200	7265500	7266000	7266200	7266300	7266500	7266900	7267000	7270020	7270[illegible]	
3941	6943000	7324000	7341500	7370700	7370900	7371500	7372500	7374000	7374500	7375010	7375020	7375500	7376000
3941	7376500	7378000	7379010	7379020	7379030	7379040	7379050	7379060	7730500				
3942	7372020	7372040	7372060	7372500	7373000	7900000							
3943	7325000	7325200	7326020	7326040	7326200	7326220	7326240						
3949	7310500	7310600	7311000	7311520	7311540	7312000	7312200	7312400	7312600	7313000	7315000	7315100	7315300
3949	7340500	7341000	7343000	7343200	7343400	7344000	7344200	7344500	7345020	7345045	7345060	7345160	7345300
3949	7345090	7345400	7345520	7345540	7345560	7345620	7345640	7346000	7346500	7347000	7347100	7347110	7347300
3949	7347540	7347700	7348000	7348500	7348600	7348700	7348800	7349000	7349100	7349225	7349240	7349235	7349300
3949	7349340	7349500	7349600	7349620	7349640	7349700	7349720	7349740	7350500	7350900	7351200	7351500	7351700
3949	7351800	7352000	7352420	7352040	7606500								
3951	7107800	7600500	7601000	7601200	7602000	7603000	7603200	7603400	7603600	7603800	7604000	7604200	7604500
3952	4740200	4740400	4740600	4740800	4742200	7604800	7605000	7605200	7605400	7605600	7605800		
3953	7601500												
3955	2541500	2541800											
3961	5207500	7403000	7403400	7403500	7403520	7403540	7403700	7403800	7405000	7405020	7405040	7405060	7411000
3961	7413500	7415000	7502000	7502200									
3962	7482000	7482100	7482500	7483000	7483200	7483400	7483500	7483600	7484000	7503500	7746020		
3963	7450400	7450800	7451000	7452000	7452100	7452200	7452500	7452800	7453000	7453200	7454000	7454050	
3964	6510100	6510300	6510400	6510500	6510700	6510900	6705800	6706000	6706200	6706400	6706800	7450500	7451700
3964	7455000	7455200	7455400	7455600	7455800	7456000	7456300	7456500	7456600	7456700	7456800	7457000	7457200
3964	7457420	7457440	7458000	7502500									
3981	7502600	7502700	7502800	7502900	7503000	7503100	7503200	7504000	7504020	7504040	7504500	7504700	7505000
3981	7505500	7506000	7506500	7507000	7507020	7507040	7507060	7507080	7507500	7508000			
3982	7280500	7281000	7281500	7282500	7283000								
3983	7550520	7550540	7551000										
3984	7552500												
3988	6470340	6470500											
3993	6527500	6527600											
3995	7510500	7511000	7511100	7511500	7512020	7512040	7512500						
3999	1865000	1866000	1905700	2733000	6508300	6508500	6834000	7255000	7267500	7270200	7342000	7412000	7412500
3999	7413000	7481500	7500500	7501500	7553500	7560400	7560420	7560440	7560600	7560620	7560640	7561000	7561020
3999	7561040	7561500	7562000	7562100	7562300	7562500	7563000	7563500	7564000	7564500	7565000	7565200	7565500
3999	7729500	7742000	7901500	7904700	7907000	7923000	7924000	7925000	7926000	7927000	7927500	7900000	7900010
4101	6461500	6461700	6464000	6464100	6464200	6464920	6464940	6465100	6465300	6465400	6465600	6465700	6465800
4101	6466020	6466040	6466320	6466340	6466500	6467000	6467200	6467400	6467500	6467540	6467600	6467620	6467640
4101	6467700	6467800	6467900										
4208	6104220	6104240	6104300	6104320	6107000	6107100	6107400	6108010	6108020	6108030	6108050	6108100	6131500
4208	6131600	6131800	6131900	6184800	6204600	6204700	6264500	6802000	6802100	6802220	6802240	6802300	6802500
4208	6802700	6802800											

APPENDIX E.--Concordance of the TSUSA to the IO-SIC--Cont.

IO-SIC	TSUSA NUMBERS												
4703	6494305	6494310	6494315	6494325	6494330	6494340	6494360	6494380	[illegible]	6494520	6494540	6494600	[illegible]
4703	6494840	6494900	6495300	6745000	6745500	6745600	6800500	6801000	6801100	6801200	6801500	7106500	[illegible]
5503	6859000	6859100	6861045	6861100	6883000	6883500	7156000	7156200	[illegible]	7156600	[illegible]		
5701	6875000	6875020	6875030	6875040	6875050	6875060	6875100	6876005	[illegible]	6876020	[illegible]	[illegible]	[illegible]
8001	1418100	1906800	1908000	2500420	2734500	2735000	2735500	2736000	[illegible]	[illegible]	[illegible]	7565040	[illegible]
8001	6022032	6532220	6532240	6532260	6705600	6785020	6785040	6858020	7240500	7241020	7241[illegible]	7241200	[illegible]
8001	7242000	7370500	7650300	7650500	7650700	7651[illegible]	7651500	7652000	[illegible]	[illegible]	7662[illegible]	7662520	[illegible]
8001	7662560	7902000	8000000	8000020	8000040	8000060	8000080	8010000	[illegible]	[illegible]	8041[illegible]	8042000	[illegible]
8001	8061000	8062020	8062040	8063020	8063040	8300000	8[illegible]10000	8501000	[illegible]	[illegible]	8515[illegible]	8522000	[illegible]
8001	8622000	8701000	8702700	8703000	9991000	9992000	9[illegible]99500						
8300	1565000	2200500	2200520	2200540	2500440	3901000	3901220	3901200	[illegible]	[illegible]	390[illegible]	[illegible]	[illegible]
8300	5401400	6030500	6031500	6057040	6057060	6074000	6071100	6071200	6126800	[illegible]	6121[illegible]	6121060	[illegible]
8300	6200240	6200400	6221000	6240400	6261000	6282500	6282520	[illegible]	6285540	[illegible]	6292[illegible]	6292660	[illegible]
8300	6323420	6921040	6921140	6923050	7245000	7302300	7302320	[illegible]	7711[illegible]	7711000	7711[illegible]	7725155	[illegible]
8300	8670000	9111100	9111260	9111280									
9999	2706500	3374000	3820464	6032000	6035050	6035060	6562000	6562500	6563000	6563500			

Source: Prepared by V. Roningen at the U.S. International Trade Commission. The concordance is a modification of the ones on computer header tapes at the Commission. Some TSUSA numbers were assigned to two or more IO-SIC numbers in order that each IO-SIC sector producing traded goods would be covered by the tariff schedule.

APPENDIX F

VARIABLES USED IN THE ANALYSIS IN PART III

General Data Sources

1. Industry shipments, wages, employment, etc.--U.S. Dept. of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1970, Industry Profiles, Washington, D. C., issued 1973.

2. Industry capital data--

Book value of fixed assets and rental payments from U.S. Dept of Commerce, Bureau of the Census, Annual Survey of Manufactures, 1970, Book Value of Fixed Assets and Rental Payment for Buildings and Equipment, issued August 1973; other income from U.S. Dept. of the Treasury, IRS, Statistics of Income, 1970, Corporation Income Tax Returns, 1970; the formula for deriving the ratio of rented assets to owned assets was from George J. Stigler, Capital and Rates of Return in Manufacturing Industries, National Bureau of Economic Research, Priceton University Press, Princeton, New Jersey, 1963.

Total capital stock (for 1967 and 1970) was found by adding the value of rented assets and average inventories (from 1) to the book value of fixed assets. The ratio of rented assets to owned assets was derived by dividing rentals paid by (depreciation plus net income before taxes and interest paid).

3. Direct tax data--

U.S. Dept. of Treasury, IRS, Statistics of Income, 1970, Corporation Income Tax Returns, Washington, D.C., 1970.

A ratio of taxes to income was calculated and used to deduct direct taxes from value-added.

4. Input-output data--

   1963 input-output tape for 478 production sectors and accompanying documentation, from the Bureau of Economic Analysis, U.S. Dept. of Commerce, Washington, D.C.

5. Indirect tax data and explanatory details concerning the 1963 IO study--

   Albert J. Walderhoug, "The Composition of Value-Added in the 1963 Input-Output Study", Survey of Current Business, April 1973.

6. U.S. import data and nominal tariff data--

   U.S. International Trade Commission computer tapes.

7. U.S. sourced export data--

   Dept. of Commerce, the computer tapes of U.S. exports.

8. U.N., U.S., and world trade data--

   World trade estimates for 1970 are from the United Nations. Other data came from U.N. tapes of trade data and from U.N. publications of trade data by the SITC code.

9. Non-tariff barrier indices and GATT sourced tariff rates--

   A databank for the study, Trade Barriers Report to the Committee on Finance of the United States Senate, Parts I, II, III, and IV, U.S. Tariff Commission, Washington, D.C., April 1974.

10. Effective tariff rates--

    Calculated at the U.S. International Trade Commission.

11. Professionals in the work force--

    U.S. Dept. of Commerce, Bureau of the Census, Census Population, Subject Report PC(2)-TC, Occupation by Industry, Washington, D.C., 1972

12. Industry price inflation--

Federal Reserve Board computer tapes plus some data compiled at the U.S. International Trade Commission.

About 300 variables were maintained in databank ordered by IO-SIC. Many of the variables were slightly different versions of the same measure. A more complete description of data sources can be found in an appendix to the Commission's study, "An Industry Characteristics Analysis of the Competitiveness of U.S. Industries." The bulk of that study worked with a databank of variables ordered by the TC-SIC described in Part I. However, the sources of data were the same for both the TC and IO-SIC databanks. Programs automatically aggregated data down to both levels where possible.
All statistical routines were run with programs that pulled clean data matrices from the databanks and inserted them directly into the statistical programs.