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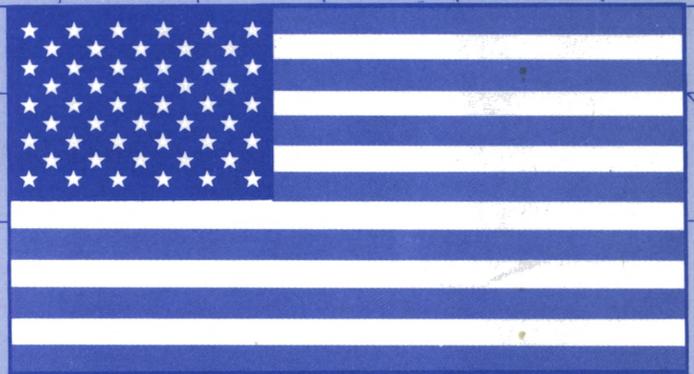
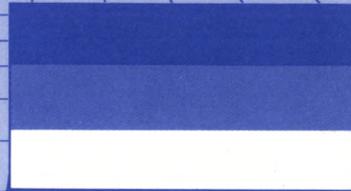
Comparisons of United States, German, and Japanese Export Price Indexes



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Comparisons of United States, German, and Japanese Export Price Indexes



U.S. Department of Labor
Ray Marshall, Secretary
Bureau of Labor Statistics
Janet L. Norwood, Commissioner
February 1980

Bulletin 2046

Preface

This is the first report by the Bureau of Labor Statistics (BLS) on a developmental study of international price index comparisons which to a large extent was inspired by earlier work by Irving B. Kravis and Robert E. Lipsey of the National Bureau of Economic Research. Major contributors to the development of this report were W. John Layng, Assistant Commissioner, Office of Prices and Living Conditions; Edward E. Murphy, Chief, Division of International Prices; and the following members of the staff of the Branch of International Price Competitiveness under the direction of John W. Suomela, Branch Chief: Julius Anamelechi, David S. Johnson, Mark C. McEnearney, Richard A. Nelson, Jorge F. Perez-Lopez, Nicholas I. Peters, and Yu Ju Tien.

Data used for calculating the U.S. export price in-

dexes in this publication were collected by the BLS as part of its International Price Program. The U.S. export price indexes in this publication differ from the export price indexes published each quarter by BLS in that they are especially calculated for comparisons with export price indexes for the Federal Republic of Germany and for Japan. These comparisons will be updated and expanded to include additional products and countries as data become available.

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Comparisons of U.S., German, and Japanese Export Price Indexes

Continued interest in international price comparisons has led to several recent proposals by banks, research institutions, government agencies, and international organizations to produce ratios of price indexes for two or more countries.¹ These ratios are of interest because of the influence of changes in relative prices on changes in relative quantities. Changes in ratios of price indexes for commodities exported by two countries can be used, along with other information, in predicting changes in relative export quantities and in relative market shares.

This report compares price changes for comparable categories of products for Germany, Japan, and the United States. The first part deals with the methodology for calculating export price index ratios and some of the problems involved. The second part describes the data used in the construction of U.S.–Federal Republic of Germany (U.S.–Germany) and U.S.–Japan export price index ratios. The last part briefly discusses the behavior of a limited number of U.S.–Germany and U.S.–Japan index ratios. Thirty-four U.S.–Germany and twenty-six U.S.–Japan comparisons are made, covering selected categories of industrial products. The reference tables contain the ratios of export price indexes calculated for this report.

Methodology

The effect of a change in a price index on a particular index of quantities demanded depends upon two factors: The value shares in the quantity index of the items priced and the sensitivity of the demand for each

item to price changes.² This price sensitivity is commonly called the price elasticity of demand. In order to produce price indexes which will accurately predict changes in quantities demanded, the weights used to aggregate the individual price changes must reflect both value shares and elasticities. When the correct elasticity weights are not used, the calculated price indexes suffer from aggregation bias.

The problem of creating export price indexes using elasticity weights appears to be insoluble at this time. Published export price indexes are generally constructed for purposes other than demand estimation and use trade value weights. Attempts to recalculate the indexes have been unsuccessful because the individual price data are not available and, until they are, elasticity weights can not be estimated. Furthermore, since elasticities may vary, depending on the market in which goods are sold, several elasticity-weighted indexes could be calculated from the same set of price data. Thus, analysts interested in carrying out international demand analysis have been restricted by the inadequacy of available export price data.

The extent of bias incurred by the use of improper aggregation weights in a price index varies directly with the level of aggregation and inversely with the similarity of the price behavior of the products included. If a category is narrowly defined and refers primarily to goods which are the same or highly substitutable, prices within the category should move together or, at least, the variation in price changes should be smaller than for categories containing more heterogeneous goods. Under these conditions, the indexes would be relatively insensitive to weighting patterns and the bias introduced by not having the desired elasticity weights would be minimized.

Although export price index comparisons may be either multilateral or bilateral, the ratios developed here make bilateral comparisons. To reduce aggregation bias, U.S. export price indexes are calculated to represent trends of U.S. export prices for special

²John W. Suomela, "The Meaning and Measurement of International Price Competitiveness," *1978 Proceedings of the Business and Economic Statistics Section*, American Statistical Association. This paper deals with the demand side of the market.

categories in order to make comparisons *at the most detailed level allowed by the data available from other countries.*

Difficulties in using published export price indexes

Since several countries publish export price indexes, intercountry comparisons can be made using these indexes. Most analysts interested in constructing U.S.–foreign country export price index ratios have used published price index series. As a consequence, most work in this area has relied on the matching of published price index series when similar titles are used by two or more countries.³ Implicit in this approach is the assumption that products contained within the similarly titled series of two or more countries are highly substitutable.

Because of the tendency toward national specialization, this may not always be a tenable assumption. In addition, differences in national statistical systems and practices may make direct comparisons of two or more countries' *published* indexes inappropriate. This applies to direct comparisons of U.S.–German and U.S.–Japanese export price indexes using published country data. The export price index series published by each of the three countries are based on different classification schemes and internal weighting structures, and their export price index series are published at different levels of aggregation. Because of these differences, published U.S. export price index series generally cannot be well matched to those for Germany and Japan to provide narrowly defined categories within which products have high cross-price elasticities. These two factors, different classifications and different levels of aggregation, can adversely affect the calculation of export price index ratios which use published data, by introducing bias or error.

Different classification schemes. Export price index series published by the United States, Germany, and Japan, with similar or even identical titles, do not necessarily contain products which are highly substitutable. In part, this is an expected outcome of national specialization. It is also a result of the different product classification systems used by the three countries.

U.S. export trade data are classified according to Schedule B, a 7-digit product classification based on the U.N.'s Standard International Trade Classification System, Revised (SITC-R).⁴ In most cases, the first four or five digits of a Schedule B commodity correspond to either a 4- or 5-digit SITC-R grouping. Products for which export prices are collected by BLS are

³A notable exception is the work by Kravis and Lipsey at the National Bureau of Economic Research.

⁴*Schedule B: Statistical Classification of Domestic and Foreign Commodities Exported by United States* (Bureau of the Census, Jan. 1, 1971, edition and annual revisions).

assigned to one of the 7-digit Schedule B commodity categories and are used to calculate price indexes for U.S. exports at the level of 4- or 5-digit SITC-R subgroups or items.

German export trade data are recorded according to their Commodity Classification for Foreign Trade (WA), a 7-digit classification scheme prepared by the Statistisches Bundesamt and based on the Brussels Tariff Nomenclature (BTN).⁵ However, the published German export price indexes are calculated according to a different classification system, developed specifically for these price indexes. For categories referring to industrial products, it is based largely on the Commodity Classification for Industrial Statistics (WI).⁶ Published materials describing the WI provide useful insights into the commodity coverage of the published export price indexes for manufactured goods categories.

For Japan, trade data are recorded according to their Commodity Classification for Foreign Trade Statistics (CCFTS), a system prepared by the Customs Bureau of the Ministry of Finance of Japan and currently based on the BTN, although it was earlier based on the SITC-R.⁷ Export price indexes are calculated on the basis of an autonomous product classification system which does not correspond to the CCFTS, even though the commodities for which indexes are published were selected on the basis of the value of trade in 1975 according to CCFTS. Definitions of the commodity coverage of the published index categories are not available. However, a list of the products whose prices are used to calculate the indexes is available and has been used here to assist in determining the commodity composition of the published indexes.⁸

Different levels of aggregation. The level of aggregation in published indexes differs for each of the three countries, and this presents further problems for comparisons based solely on the matching of titles in the indexes. For the United States, published export price indexes are primarily calculated at the level of a 4-digit SITC-R category, although indexes for a limited number of 5-digit groupings are also available. For Germany and Japan, however, indexes are often published at several levels of aggregation, from an index representing all exported goods to indexes for product categories that might correspond to subsets of 4- or 5-digit SITC-R categories. Because of these differences in

⁵*Warenverzeichnis fuer die Aussenhandelsstatistik*, Ausgabe 1975 (Wiesbaden: Statistisches Bundesamt, 1974).

⁶*Systematisches Warenverzeichnis fuer die Industriestatistik*, Ausgabe 1970 (Wiesbaden: Statistisches Bundesamt, 1970).

⁷*Price Indexes Annual 1977* (Tokyo: The Bank of Japan, Statistics Department, 1978), pp. 331–32.

⁸*List of Commodity Descriptions for 1975-Based Price Indexes* (Tokyo: The Bank of Japan, Statistics Department, May 1978) (in Japanese).

levels of aggregation, published categories are not directly comparable. An apparently attractive procedure to achieve comparability is to aggregate published series (either several foreign series to approximate the level of a published U.S. series or sets of published U.S. and foreign series to reach an aggregate common-level grouping) until categories with truly matching titles can be created. However, when this procedure is followed, as it is in many studies of international competitiveness, incorrect aggregation weights (usually trade weights) are substituted for proper elasticity weights. The contribution of these incorrect weights to the bias of the index ratios is unknown.

The following examples illustrate situations where these factors, classification and aggregation, affect the calculation of export price index ratios.

Germany currently publishes an export price index series for the category "agricultural machinery," with no further breakdown. An examination of the commodity composition of this category indicates that products included in several published U.S. export price index categories are substitutes for products contained in the German category: (1) Agricultural machinery and appliances for preparing and cultivating the soil (SITC-R 712.1); (2) agricultural machinery and appliances for harvesting, threshing, and sorting (SITC-R 712.2); and (3) agricultural machinery, n.e.s. (SITC-R 712.99). In addition, the published German export price index for "agricultural machinery" also contains products that are substitutes for products contained in other published U.S. export prices indexes: Farm elevators, part of the published U.S. index for mechanical handling equipment (SITC-R 719.3); and sprayers and dusters, part of the published U.S. index for nonelectrical machines, n.e.s. (SITC-R 719.6).

Japan publishes export price index series for three metalworking machinery categories: Lathes, grinding machines, and numerically controlled machine tools. The only published U.S. export price series in this category is for machine tools for working metals (SITC-R 715.1), which encompasses products which are substitutes for products contained in all three Japanese detailed categories. Furthermore, over the period 1975-77, Japan's export price trends differed for the three detailed categories. Were these indexes combined, these differences would be obscured.

In the case of Germany, then, the published German index corresponds to parts of more than one published U.S. index. For Japan, several published Japanese series correspond to a single published U.S. series. In each case, the calculation of relative price changes can only be accomplished by further aggregating the published indexes of one or both countries until series with matching titles are obtained. Since inappropriate weights must be used, this procedure would increase aggregation bias.

Ratios using especially calculated U.S. export price indexes

It has been possible to reduce aggregation bias by constructing special U.S. export price indexes that match the product coverage of the other countries' published detailed indexes. The level of detail is determined by the availability of detailed, published foreign index series and of suitable sets of U.S. price series for individual products, selected from the approximately 5,000 price series collected from U.S. exporters by the BLS at the time of this writing.

Information that specifically describes the range of products represented in the sampling strata of published indexes for Germany and Japan has not been available. However, a considerable body of information exists for making judgments about the content of the sampling strata. The Statistisches Bundesamt, producer of Germany's export and import price indexes, publishes concordances between the SITC and the German classification scheme for industrial statistics (WI). It also publishes a concordance between German classification schemes for industrial statistics and trade statistics (WA). In addition, the agency has furnished BLS with a table of weights and subclassifications within its published export price index categories. For Japan, the correct classification of U.S. products into the Japanese classification scheme was aided by a complete listing of product specifications priced for Japan's indexes.

By using this information, it was possible to screen the BLS data base of U.S. export prices and product descriptions and to select only the prices for products judged to be substitutes for those products represented by the published series of the other two countries. Indexes were then calculated for those categories of products that correspond to the published foreign series. These special indexes have been reviewed to ascertain that they adequately represent trends of U.S. export prices for these categories, and that confidentiality is maintained. Using this approach, it was possible to construct 34 U.S.-Germany and 26 U.S.-Japan comparisons using available data.

Access to unpublished U.S. price data and product specifications has lessened the problems which arise in attempting to compare product prices in aggregate series. It should be pointed out, however, that the approach used here does not eliminate all problems, since it has not been possible to determine fully the product definition and internal weighting procedures used in the construction of published German and Japanese export price indexes. In addition, it should be noted that the BLS data base of export prices is a sample designed to represent U.S. export price trends at the level of 4- or 5-digit SITC-R product categories. Though a selection of export prices from this data base has been used to produce the special U.S. export price indexes for

these comparisons, the product samples were not originally drawn for this purpose. Thus, while the methodology used here for calculating export price index ratios is an advance over methods which relied on matching published index series, there is still room for further improvement and refinement.

E = the dollar per foreign currency exchange rate during the comparison period divided by the exchange rate in the reference period.

Calculation formulas

The formulas used to calculate special U.S. export price indexes for both the U.S.-Germany and the U.S.-Japan comparisons are essentially the same. A minor difference has been introduced in order to use the additional detailed information available on the internal weighting structure of published German export price indexes. For comparisons with both countries, the special U.S. export price indexes were calculated as equal-weighted averages of price changes.

The formulas used in calculating the index ratios are:

$$(1) \quad XPI_{US}^{\$} = \frac{\sum_{j=1}^m w_j/n_j \sum_{i=1}^{n_j} R_{ij}}{\sum_{i=1}^{n_j} R_{ij}}$$

is the special U.S. export price index.

$$(2) \quad XPI_f^{fc}$$

is the published foreign export price index in the country's home currency.

$$(3) \quad XPI_f^{\$} = E \cdot XPI_f^{fc}$$

is the foreign export price index in U.S. dollars.

$$(4) \quad XPIR^{nc} = \frac{XPI_f^{fc}}{XPI_{US}^{\$}}$$

is the ratio of export price indexes in national currencies.

$$(5) \quad XPIR^{\$} = \frac{XPI_f^{\$}}{XPI_{US}^{\$}}$$

is the ratio of export price indexes when both price indexes are in dollars, where:

m = the number of subcategories in the index,

n_j = the number of items priced in the j'th index subcategory,

w_j = the foreign country's trade value weight for the j'th subcategory within the index. Most indexes were calculated at the first level of aggregation, so m = 1 and w_j = 1. For some German products, export price indexes are not published for subcategories so German export weights were used for the second level aggregations,

R_{ij} = the price of the i'th item during the comparison period divided by the price of the i'th item in the reference period,

Data Used in Comparisons

The data used in constructing the export price index ratios are: (1) Official export price indexes for Germany and for Japan; (2) especially constructed U.S. export price indexes for groupings of U.S. export products; and (3) dollar per deutsche mark and dollar per yen exchange rates.

Export price indexes of Germany and Japan

The export price indexes published by Germany and Japan show price trends for their merchandise exports to all countries. Prices used are for detailed product specifications. Only indexes for the most narrowly defined product categories have been used for these comparisons (corresponding roughly to subsets of 4- or 5-digit SITC-R categories). Monthly export price indexes are available for Germany beginning in 1958 and for Japan beginning in 1957.

In 1978, German export price indexes were available for 331 product categories, at different levels of aggregation, based on approximately 5,340 individual export price series.⁹ These prices refer to export transactions concluded during the reporting month for specified commodities on an f.o.b. (free on board) German border basis (i.e., they include inland transportation costs), and the prices are adjusted for quality changes. Price relatives are aggregated using the Laspeyres formula with 1970 export value weights.¹⁰ The export price indexes represent predominantly industrial products in accordance with the structure of German exports (98.6 percent of the total export value).

For Japan, The Bank of Japan currently publishes monthly price indexes for 305 export categories, at different levels of aggregation.¹¹ The 520 monthly price reports used to calculate the indexes, provided by 305 reporting firms, refer to contract prices on an f.o.b.

⁹*Preise Und Preisindizes fuer die Ein- und Ausfuhr* (Wiesbaden: Statistisches Bundesamt, monthly). This publication superseded an earlier monthly publication of the Federal Statistical Office entitled *Preise und Preisindizes fuer Aussenhandelsgueter*.

W. Rostin, *Indices of Foreign Trade Prices, Base 1970*, Studies in Statistics No. 30 (Wiesbaden: Federal Statistical Office, 1974).

¹⁰The standard BLS formula for a Laspeyres index is $L = \sum w^0 (P^t/P^0)$ where the w⁰ are value weights from the base year and where P^t and P⁰ are prices from the comparison period and the base period. Index series are rebased by dividing by the reference period index value.

¹¹*Export and Import Price Indexes Monthly* (Tokyo: The Bank of Japan, Statistics Department, monthly).

port basis and are adjusted for quality changes. Price relatives are aggregated using the Laspeyres formula with 1975 export value weights.¹²

Export price indexes of the United States

The Bureau of Labor Statistics began to publish U.S. export price indexes in June 1971. Since then, the number of indexes published has expanded significantly and their periodicity has increased from once per year to four times per year.¹³ At this time, export price indexes are published for 81 export categories, accounting for about 60 percent of the total value of U.S. exports in 1975.¹⁴ Indexes are published primarily at the 4- and 5-digit SITC—R levels; an aggregate series for machinery and transportation equipment exports is also published. Indexes are calculated using a modified Laspeyres formula, with the value of U.S. exports in 1975 (at the Schedule B levels) as weights. Indexes are rebased so that, where possible, June 1967=100. Major expansion of coverage is in progress, and an aggregate series, representing the average price trend for all U.S. export products, is planned for publication in 1984.

Companies providing export price data to the BLS International Price Program are firms located in the United States—whether or not United States owned—that are consistent exporters of the products being priced. Product categories and companies are currently selected on the basis of a multistage probability sampling procedure. Since June 1976, samples have been designed so that each product category and company has a chance of selection proportional to the value of export shipments over the sample time period.¹⁵ For product areas sampled before June 1976, the selection was judgmental, based on high-dollar value of exports. Selection of a specification to be priced by a firm within a given product area also is currently a judgmental process, based on consultation between the firm and a BLS field economist. The selection of an item for pricing within a narrow product category is based on the goal of selecting a product (or products) whose price movements are typical of items exported by that company in that product category.

The export price data collected by BLS are specification prices, generally on an f.o.b. basis, for transactions occurring during the third month of each

quarter. Complete specifications, including physical description, class of buyer, size of transaction, applicable discounts, currency, and mode of transport are provided by the firms. Adjustments are made to reported export prices to account for changes in quality and for changes in specifications. By mid-1979, approximately 5,000 individual export price series and supporting data—originating from about 1,600 firms—were available in the BLS export price data base. For purposes of making export price index comparisons, especially constructed indexes were calculated using the same underlying price data as the regularly published indexes, but with different combinations of products and weighting schemes.

Exchange rates

In order to calculate index ratios in a common currency, the published export price indexes for Germany and for Japan, which are published in terms of deutsche marks and yen, were converted to U.S. dollars. The conversion was carried out using exchange rates, published by the Federal Reserve Board,¹⁶ which are monthly averages of certified noon buying rates in New York. The price index ratios in terms of U.S. dollars may be compared to the ratios in national currencies in order to gain an insight into the effect of exchange rate changes on relative price movements.

Comparisons of Export Price Indexes

Tables 1 through 34 present U.S.—Germany export price index ratios, calculated using the formulas and data described earlier. U.S.—Japan export price index ratios, calculated following the same approach, are presented in tables 35 through 60. Generally, ratios have been calculated for each June from 1970 to 1973 and for the last month of each quarter from March 1974 on. The columns included in each table refer to: The special U.S. export price index in dollar terms (column 1), the published foreign export price index in national currency (column 3), the published foreign export price index after conversion to dollar terms (column 5), the export price index ratio (foreign XPI/U.S. XPI) in terms of national currencies (column 7), and the export price index ratio in dollar terms (column 9). Percent changes from the previous period are presented in the other columns. It should be pointed out that not all export price index ratios could be calculated for every period because some series begin at later dates than others.

¹⁶*Federal Reserve Bulletin* (monthly) and *Statistical Release G.5: Foreign Exchange Rates* (monthly) (Board of Governors of the Federal Reserve System).

¹²*Price Indexes Annual 1977* (Tokyo: The Bank of Japan, Statistics Department).

¹³"International Price Indexes," Ch. 17 in *Handbook of Methods*, Bulletin 1910 (Bureau of Labor Statistics, 1976), pp. 130–34.

¹⁴"U.S. Import and Export Price Indexes, Second Quarter 1978," Bureau of Labor Statistics, News Release USDL 78–687 (Aug. 8, 1978).

¹⁵For an exposition of the current and planned sampling techniques, see Marvin Kasper and Richard J. Pratt, "Surveying International Prices," in *1978 Proceedings of the Sector on Survey Research Methods*, American Statistical Association.

Text table 1. Dollars per deutsche mark exchange rate, 1970-79

Month	Rate	Month	Rate
June 1970.....	0.27528	Mar. 1976	0.390638
June 1971.....	0.28474	June 1976	0.387967
June 1972.....	0.31560	Sept. 1976	0.401685
June 1973.....	0.38786	Dec. 1976	0.419651
Mar. 1974.....	0.382110	Mar. 1977	0.418121
June 1974.....	0.396025	June 1977	0.424529
Sept. 1974.....	0.375800	Sept. 1977	0.430336
Dec. 1974.....	0.408162	Dec. 1977	0.464994
Mar. 1975.....	0.431194	Mar. 1978	0.491812
June 1975.....	0.427257	June 1978	0.479842
Sept. 1975.....	0.381904	Sept. 1978	0.507777
Dec. 1975.....	0.381440	Dec. 1978	0.532172
		Mar. 1979	0.537544

SOURCE: Board of Governors of the Federal Reserve System, *Statistical Release G.5. Foreign Exchange Rates and Federal Reserve Bulletin*.

Since exchange rate changes affect all bilateral export price index ratios in the same manner, it is interesting to examine the behavior of all the index ratios simultaneously. However, ratios for specific categories or groups of categories often behave differently, so that comparisons of export price trends using index ratios for individual product categories or groups of categories are also of interest. Therefore, the following analysis attempts to point out significant changes in the ratios for individual product categories in the light of changing exchange rates.

Because of the large changes in exchange rates between the U.S. dollar and the deutsche mark and the yen which occurred during the 1970's, importing countries found that, on average, U.S. goods became less expensive relative to similar goods exported from Germany or Japan. These exchange rate changes more than offset the generally higher rates of U.S. price increases relative to the other two countries. Nevertheless, the behavior of individual export price index ratios over this period suggests a wide variation in the movement of relative average export prices across product categories; for example, over a period of 9 years, while the U.S.-Japan export price index ratio for rectifiers and rectifying apparatus (table 37) decreased from 111.3 in June 1970 to 89.8 in March 1979, the corresponding U.S.-Japan ratio for export prices of transistors (table 39) rose more than two and one-half times, from 45.8 in June 1970 to 116.0 in March 1979. Disparate behavior of the export price index ratios over this interval was also found in the U.S.-Germany comparisons. For example, the index ratio for electrical equipment and accessories for motor vehicles (table 34) rose from 77.0 in June 1970 to 94.7 in March 1979, while the index ratio for compressed air equipment (table 7) rose from 58.5 to 125.6 over the same interval. In addition, the behavior of individual ratios tended to differ during certain intervals in the 9-year period, depending

upon the products and the pairs of countries for which the comparisons were made.

The following paragraphs analyze U.S.-Germany and U.S.-Japan ratios during three different intervals, where the intervals are distinguished by the behavior of the exchange rates: The first period is from June 1970 to June 1973, the second period is from June 1973 to June 1976, and the third, from June 1976 to March 1979.

U.S.-Germany comparisons

In the first interval, June 1970 to June 1973, there were several adjustments to the dollar per deutsche mark exchange rate, especially with the floating of the dollar beginning in mid-1971 (text table 1). During this interval, the dollar price of the deutsche mark increased by 40.9 percent (text table 2). The second interval, June 1973 to June 1976, was characterized by several fluctuations of the exchange rate, with little net effect. Thus, the dollar per deutsche mark exchange rate was basically at the same level in June 1976 as in June 1973. During the third interval, June 1976 to March 1979, the deutsche mark appreciated by 38.6 percent against the dollar.

The total appreciation of the deutsche mark against the dollar for the entire 9-year period was 95.3 percent. This caused a large shift in the relative export prices of U.S. and German products when measured in common currency. While the effect was reflected across all product categories where comparisons have been made, part of the changes may have been absorbed by German exporting firms in order to meet increasing competition. The willingness of exporting firms to absorb exchange rate changes depends upon such factors as the profit margin, the magnitude of the exchange rate change, and the proportion of costs tied to the dollar (e.g., imported raw materials, fuel, and semimanufactured inputs). The extent to which exchange rate changes are absorbed is reflected in the index ratios in national currencies.

During the first period, 10 of 29 index ratios fell when measured in national currencies. This means that average prices for U.S. exports, as measured by the special U.S. export price indexes, rose more rapidly than average prices for German exports for only 34 percent of the product categories covered. However,

Text table 2. Percent changes in exchange rates, 1970-79 (Dollars per deutsche mark)

From	To	June 1973	June 1976	March 1979
June 1970		40.9	40.9	95.3
June 1973			0.0 ¹	38.6
June 1976				38.6

¹Less than 0.05 percent.

Text table 3. Dollars per yen exchange rate, 1970—79

Month	Rate	Month	Rate
June 1970.....	0.0027864	Mar. 1976	0.00332760
June 1971.....	0.0027979	June 1976	0.00334240
June 1972.....	0.0033070	Sept. 1976	0.00347995
June 1973.....	0.0037808	Dec. 1976	0.00339334
Mar. 1974.....	0.00354538	Mar. 1977	0.00356873
June 1974.....	0.00353400	June 1977	0.00366515
Sept. 1974.....	0.00334385	Sept. 1977	0.00374858
Dec. 1974.....	0.00332876	Dec. 1977	0.00414907
Mar. 1975.....	0.00347309	Mar. 1978	0.00431478
June 1975.....	0.00340767	June 1978	0.00467443
Sept. 1975.....	0.00333452	Sept. 1978	0.00526563
Dec. 1975.....	0.00327150	Dec. 1978	0.00510376
		Mar. 1979	0.00484704

SOURCE: Board of Governors of the Federal Reserve System, *Statistical Release G.5: Foreign Exchange Rates and Federal Reserve Bulletin*.

when account is taken of the nearly 41-percent appreciation of the mark against the dollar, the average dollar price for products exported by Germany rose more rapidly than for products exported from the United States in all 29 categories. As might have been expected, the exchange-rate-induced rise in German export prices relative to U.S. export prices was accompanied by an increase in the ratio of U.S. to German dollar exports of merchandise from 1.1 in 1972 to 1.2 in 1975.¹⁷ This result is in line with the 2-year lag found by other analysts, between a change in relative export prices and most of the consequent change in relative export values.¹⁸

Since there was little change in the dollar per deutsche mark exchange rate over the second period, changes in relative export prices were influenced principally by domestic factors. When expressed in national currencies, U.S. export prices rose more rapidly than those of Germany in all but 4 of the 34 product categories. This reflects the more rapid rise in the price of industrial products in the United States from the second quarter of 1973 to the second quarter of 1976; the U.S. industrial price index rose 44.3 percent over this period, compared to a 24.2-percent rise in the price of industrial products in Germany. As might be expected, using a 2-year lag, the ratio of U.S. to German merchandise exports fell from 1.2 in 1975 to 1.0 for the first three quarters of 1978.

In the third period, when expressed in national currencies, U.S. average export prices rose more rapidly than those of Germany in 32 of the 34 product categories. The exceptions were the categories for cranes,

¹⁷The ratios of merchandise exports have been calculated from data contained in *International Financial Statistics* (monthly), line 77aad.

¹⁸For example, the International Monetary Fund estimates that there is at least a 2-year lag after a change in exchange rates before most of the related changes in relative quantities occur, *IMF Annual Report, 1978*, pp. 40–43.

hoists, and winches (table 13) and electromedical apparatus (table 33). However, during this period, the mark appreciated 38.6 percent against the dollar. As a result, when expressed in dollars, export prices of Germany rose more rapidly than those of the United States in all but one of the product categories covered (electron tubes and parts, table 29). The large change that occurred in the exchange rate during this period has caused a general improvement in U.S. export prices relative to those of Germany. To the extent this has occurred, we can expect the ratio of U.S. to German merchandise exports in dollars to rise by 1980, other things being equal.

U.S.—Japan comparisons

During the first period, June 1970 to June 1973, the yen appreciated by 35.7 percent against the dollar (text tables 3 and 4). The second period, June 1973 to June 1976, was characterized by a decrease of 11.6 percent in the dollar per yen exchange rate.¹⁹ During the third period, June 1976 to March 1979, the yen again appreciated against the dollar, this time by 45.0 percent. Over the entire 9-year interval, the yen increased in value by 74.0 percent against the dollar.

During the first period, the average price of U.S. exports increased more rapidly than the yen price of Japanese exports for 10 of the 14 manufactured product categories for which comparisons are made. But, when the price indexes are adjusted for the nearly 36-percent change in the exchange rate, average dollar prices for manufactured products exported from Japan increased more rapidly than average U.S. export prices in all 14 product categories. The exchange-rate-induced rise in Japan's export prices for this period was followed by an increase in the ratio of U.S. to Japanese exports of merchandise from 1.8 in 1972 to 2.0 in 1975.

During the second period, the exchange rate fell nearly 12 percent, despite the continued large holdings of international reserves by Japan and the continuing deficits in the current account by the United States. This appreciation of the dollar against the yen occurred at a time when U.S. average export prices were rising more rapidly than Japanese average export prices for

Text table 4. Percent changes in exchange rates, 1970–79 (Dollars per yen)

From	To	June 1973	June 1976	March 1979
June 1970		35.7	20.0	74.0
June 1973			-11.6	28.2
June 1976				45.0

¹⁹Marina Whitman testified before the Joint Economic Committee of Congress that during this period "... the dollar gained in value due to large capital flows into the U.S. and active intervention by the Japanese to preserve their export markets," *Notes from the Joint Economic Committee, Vol. IV, No. 1* (Sept. 1978).

16 of 26 product categories, when measured in national currencies. Thus, the deteriorating position of U.S. export prices relative to those of Japan became even worse when measured in a common currency. Average U.S. export prices rose more rapidly than average Japanese dollar export prices for 22 of the 26 product categories covered. The four exceptions were the series for transistors (table 39), tractors and loaders, except agricultural tractors (table 50), printing machines (table 59), and metal valves of iron or steel (table 60). As might have been expected, the general deterioration in U.S. export prices relative to Japan's was followed by a drop in the ratio of U.S. merchandise exports to Japan's merchandise exports from 2.0 in 1975 to 1.5 in 1978.

The third period was marked by continued higher average rates of price increase for U.S. exports in dollars than for Japanese exports in yen in all 26 product categories covered. When measured in the same currency, however, the nearly 40-percent increase in the

price of the yen caused dollar export prices from Japan to rise more rapidly in 21 of the 26 product categories for which export price index ratios were constructed. The five exceptions were the series for exports of electric motors (table 35), transistors (table 39), integrated circuits (table 40), capacitors (table 42), and transceivers (table 44). Over the entire 9-year interval, average U.S. export prices rose less rapidly than dollar Japanese export prices for 11 of the 13 product categories which span the entire period. The two exceptions were the series for exports of rectifiers and rectifying apparatus (table 37) and excavators (table 48).

The historically large change in the dollar price of the yen has contributed to the general improvement in the export prices of U.S. products relative to those of Japan. In response to an improvement in U.S. relative export prices, we can expect an improvement in the U.S. market share relative to Japan, other things being equal.

Table 1. U.S.–Germany comparisons: Lathes, metalcutting

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	61.1	—	68.7	—	44.2	—	112.4	—	72.3	—
1971 June.....	65.0	6.4	75.8	10.3	50.5	14.3	116.6	3.7	77.7	7.5
1972 June.....	66.0	1.5	79.3	4.6	58.6	16.0	120.2	3.1	88.8	14.3
1973 June.....	70.7	7.1	82.4	3.9	74.8	27.6	116.5	-3.1	105.8	19.1
1974 March.....	75.5	6.8	89.3	8.4	79.8	6.7	118.3	1.5	105.7	-0.1
1974 June.....	81.4	7.8	92.4	3.5	85.7	7.4	113.5	-4.1	105.3	-0.4
1974 September.....	89.9	10.4	92.8	0.4	81.6	-4.8	103.2	-9.1	90.8	-13.8
1974 December.....	95.3	6.0	94.1	1.4	89.9	10.2	98.7	-4.4	94.3	3.9
1975 March.....	98.0	2.8	100.0	6.3	100.9	12.2	102.0	3.3	103.0	9.2
1975 June.....	100.0	2.0	100.0	0.0	100.0	-0.9	100.0	-2.0	100.0	-2.9
1975 September.....	100.0	0.0	100.4	0.4	89.8	-10.2	100.4	0.4	89.8	-10.2
1975 December.....	101.3	1.3	101.9	1.5	91.0	1.3	100.6	0.2	89.8	0.0
1976 March.....	104.7	3.4	105.9	3.9	96.8	6.4	101.1	0.5	92.5	3.0
1976 June.....	104.7	0.0	105.9	0.0	96.2	-0.6	101.1	0.0	91.9	-0.6
1976 September.....	107.8	3.0	107.5	1.5	101.1	5.1	99.7	-1.4	93.8	2.1
1976 December.....	111.7	3.6	108.8	1.2	106.9	5.7	97.4	-2.3	95.7	2.0
1977 March.....	112.2	0.4	110.9	1.9	108.5	1.5	98.8	1.4	96.7	1.0
1977 June.....	116.0	3.4	111.1	0.2	110.4	1.8	95.8	-3.0	95.2	-1.6
1977 September.....	118.1	1.8	112.9	1.6	113.7	3.0	95.6	-0.2	96.3	1.2
1977 December.....	121.7	3.0	113.7	0.7	123.8	8.9	93.4	-2.3	101.7	5.6
1978 March.....	125.1	2.8	118.0	3.8	135.8	9.7	94.3	1.0	108.6	6.8
1978 June.....	131.1	4.8	118.2	0.2	132.7	-2.3	90.2	-4.3	101.2	-6.8
1978 September.....	135.1	3.1	118.2	0.0	140.4	5.8	87.5	-3.0	103.9	2.7
1978 December.....	137.4	1.7	118.4	0.2	147.5	5.1	86.2	-1.5	107.4	3.4
1979 March.....	139.1	1.2	121.6	2.7	153.0	3.7	87.4	1.4	110.0	2.4

Please see notes at end of tables.

Table 2. U.S.–Germany comparisons: Grinding and polishing machines, metalcutting

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	61.9	—	69.0	—	44.5	—	111.5	—	71.9	—
1971 June.....	65.4	5.7	75.6	9.6	50.4	13.3	115.6	3.7	77.1	7.2
1972 June.....	67.1	2.6	77.4	2.4	57.2	13.5	115.4	-0.2	85.2	10.5
1973 June.....	72.0	7.3	82.4	6.5	74.8	30.8	114.4	-0.9	103.9	21.9
1974 March.....	79.0	9.7	89.9	9.1	80.4	7.5	113.8	-0.5	101.8	-2.0
1974 June.....	82.1	3.9	91.8	2.1	85.1	5.8	111.8	-1.8	103.7	1.9
1974 September.....	87.4	6.5	91.8	0.0	80.8	-5.1	105.0	-6.1	92.4	-10.9
1974 December.....	95.2	8.9	95.6	4.1	91.3	13.0	100.4	-4.4	95.9	3.8
1975 March.....	96.4	1.3	100.0	4.6	100.9	10.5	103.7	3.3	104.7	9.2
1975 June.....	100.0	3.7	100.0	0.0	100.0	-0.9	100.0	-3.6	100.0	-4.5
1975 September.....	104.5	4.5	100.0	0.0	89.4	-10.6	95.7	-4.3	85.6	-14.4
1975 December.....	104.5	0.0	100.0	0.0	89.3	-0.1	95.7	0.0	85.5	-0.1
1976 March.....	104.7	0.2	107.1	7.1	98.0	9.7	102.3	6.9	93.6	9.5
1976 June.....	109.5	4.6	107.2	0.1	97.4	-0.6	97.9	-4.3	88.9	-5.0
1976 September.....	111.1	1.5	107.8	0.6	101.3	4.0	97.0	-0.9	91.2	2.6
1976 December.....	112.8	1.5	107.8	0.0	105.9	4.5	95.6	-1.4	93.9	3.0
1977 March.....	116.1	2.9	107.9	0.1	105.6	-0.3	92.9	-2.8	91.0	-3.1
1977 June.....	117.1	0.9	109.2	1.2	108.5	2.7	93.3	0.4	92.7	1.9
1977 September.....	120.5	2.9	109.0	-0.2	109.8	1.2	90.5	-3.0	91.1	-1.7
1977 December.....	122.7	1.8	109.0	0.0	118.7	8.1	88.8	-1.9	96.7	6.1
1978 March.....	124.5	1.5	112.1	2.8	129.0	8.7	90.0	1.4	103.6	7.1
1978 June.....	129.2	3.8	113.3	1.1	127.3	-1.3	87.7	-2.6	98.5	-4.9
1978 September.....	130.7	1.2	113.3	0.0	134.7	5.8	86.7	-1.1	103.1	4.7
1978 December.....	136.8	4.7	113.5	0.2	141.4	5.0	83.0	-4.3	103.4	0.3
1979 March.....	142.3	4.0	118.1	4.1	148.6	5.1	83.0	0.0	104.4	1.0

Please see notes at end of tables.

Table 3. U.S.-Germany comparisons: Presses, metaforming

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	59.8	—	64.1	—	41.3	—	107.2	—	69.1	—
1971 June.....	62.6	4.7	69.8	8.9	46.5	12.6	111.5	4.0	74.3	7.5
1972 June.....	69.4	10.9	72.0	3.2	53.2	14.4	103.7	-7.0	76.7	3.2
1973 June.....	72.3	4.2	75.3	4.6	68.3	28.4	104.1	0.4	94.5	23.2
1974 March.....	85.4	18.1	85.7	13.8	76.7	12.3	100.4	-3.6	89.8	-5.0
1974 June.....	86.4	1.2	94.4	10.2	87.5	14.1	109.3	8.9	101.3	12.8
1974 September.....	98.5	14.0	94.4	0.0	83.1	-5.0	95.8	-12.4	84.4	-16.7
1974 December.....	98.5	0.0	93.1	-1.4	89.0	7.1	94.5	-1.4	90.4	7.1
1975 March.....	99.9	1.4	100.0	7.4	100.9	13.4	100.1	5.9	101.0	11.7
1975 June.....	100.0	0.1	100.0	0.0	100.0	-0.9	100.0	-0.1	100.0	-1.0
1975 September.....	101.3	1.3	100.0	0.0	89.4	-10.6	98.7	-1.3	88.3	-11.7
1975 December.....	105.8	4.4	100.0	0.0	89.3	-0.1	94.5	-4.3	84.4	-4.4
1976 March.....	105.8	0.0	100.7	0.7	92.1	3.1	95.2	0.7	87.1	3.2
1976 June.....	105.8	0.0	101.3	0.6	92.0	-0.1	95.7	0.5	87.0	-0.1
1976 September.....	109.9	3.9	101.3	0.0	95.2	3.5	92.2	-3.7	86.6	-0.5
1976 December.....	112.4	2.3	101.3	0.0	99.5	4.5	90.1	-2.3	88.5	2.2
1977 March.....	111.8	-0.5	104.7	3.4	102.5	3.0	93.6	3.9	91.7	3.6
1977 June.....	113.7	1.7	106.7	1.9	106.0	3.4	93.8	0.2	93.2	1.6
1977 September.....	117.5	3.3	106.7	0.0	107.4	1.3	90.8	-3.2	91.4	-1.9
1977 December.....	119.0	1.3	106.7	0.0	116.1	8.1	89.7	-1.2	97.6	6.8
1978 March.....	119.8	0.7	110.7	3.7	127.5	9.8	92.4	3.0	106.4	9.0
1978 June.....	124.6	4.0	110.7	0.0	124.4	-2.4	88.8	-3.9	99.8	-6.2
1978 September.....	132.4	6.3	109.6	-1.0	130.2	4.7	82.8	-6.8	98.3	-1.5
1978 December.....	134.0	1.2	109.6	0.0	136.5	4.8	81.8	-1.2	101.9	3.7
1979 March.....	140.5	4.9	112.2	2.4	141.1	3.4	79.9	-2.3	100.4	-1.5

Please see notes at end of tables.

Table 4. U.S.-Germany comparisons: Interchangeable tools for hand or machine tools

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	61.4	—	67.3	—	43.4	—	109.6	—	70.7	—
1971 June.....	64.7	5.4	76.3	13.4	50.9	17.3	117.9	7.6	78.7	11.3
1972 June.....	65.5	1.2	79.4	4.1	58.6	15.1	121.2	2.8	89.5	13.7
1973 June.....	69.7	6.4	81.9	3.1	74.4	27.0	117.5	-3.1	106.7	19.2
1974 March.....	73.9	6.0	86.5	5.6	77.3	3.9	117.1	-0.3	104.6	-2.0
1974 June.....	80.2	8.5	90.2	4.3	83.6	8.2	112.5	-3.9	104.2	-0.4
1974 September.....	88.4	10.2	91.0	0.9	80.1	-4.2	102.9	-8.5	90.6	-13.1
1974 December.....	94.7	7.1	92.2	1.3	88.1	10.0	97.4	-5.3	93.0	2.6
1975 March.....	98.2	3.7	94.4	2.4	95.3	8.2	96.1	-1.3	97.0	4.3
1975 June.....	100.0	1.8	100.0	5.9	100.0	4.9	100.0	4.1	100.0	3.1
1975 September.....	99.3	-0.7	103.1	3.1	92.1	-7.9	103.8	3.8	92.7	-7.3
1975 December.....	100.7	1.4	103.4	0.3	92.3	0.2	102.7	-1.1	91.7	-1.1
1976 March.....	104.3	3.6	104.0	0.6	95.1	3.0	99.7	-2.9	91.2	-0.5
1976 June.....	107.9	3.5	106.0	1.9	96.2	1.2	98.2	-1.5	89.2	-2.2
1976 September.....	110.4	2.3	106.1	0.1	99.7	3.6	96.1	-2.1	90.3	1.2
1976 December.....	112.6	2.0	106.4	0.3	104.5	4.8	94.5	-1.7	92.8	2.8
1977 March.....	114.9	2.0	110.3	3.7	107.9	3.3	96.0	1.6	93.9	1.2
1977 June.....	122.5	6.6	112.5	2.0	111.7	3.5	91.8	-4.4	91.2	-2.9
1977 September.....	124.8	1.9	115.8	2.9	116.7	4.5	92.8	1.1	93.5	2.5
1977 December.....	128.6	3.0	115.8	0.0	126.0	8.0	90.0	-3.0	98.0	4.8
1978 March.....	128.9	0.2	115.8	0.0	133.3	5.8	89.8	-0.2	103.4	5.5
1978 June.....	130.4	1.2	117.3	1.3	131.7	-1.2	90.0	0.2	101.0	-2.3
1978 September.....	140.2	7.5	118.0	0.6	140.3	6.5	84.2	-6.4	100.1	-0.9
1978 December.....	142.2	1.4	118.0	0.0	147.0	4.8	83.0	-1.4	103.4	3.3
1979 March.....	145.3	2.2	120.9	2.5	152.1	3.5	83.2	0.2	104.7	1.3

Please see notes at end of tables.

Table 5. U.S.–Germany comparisons: Diesel engines, except for motor vehicles

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	64.3	—	63.1	—	40.7	—	98.1	—	63.3	—
1971 June.....	68.3	6.2	68.7	8.9	45.8	12.5	100.6	2.5	67.1	6.0
1972 June.....	70.1	2.6	76.0	10.6	56.1	22.5	108.4	7.8	80.0	19.2
1973 June.....	71.8	2.4	81.2	6.8	73.7	31.4	113.1	4.3	102.6	28.2
1974 March.....	76.9	7.1	85.3	5.0	76.3	3.5	110.9	-1.9	99.2	-3.3
1974 June.....	82.4	7.2	87.5	2.6	81.1	6.3	106.2	-4.2	98.4	-0.8
1974 September.....	86.1	4.5	87.5	0.0	76.9	-5.2	101.6	-4.3	89.3	-9.2
1974 December.....	93.0	8.0	89.1	1.8	85.1	10.7	95.8	-5.7	91.5	2.5
1975 March.....	98.6	6.0	98.5	10.5	99.4	16.8	99.9	4.3	100.8	10.2
1975 June.....	100.0	1.4	100.0	1.5	100.0	0.6	100.0	0.1	100.0	-0.8
1975 September.....	103.1	3.1	100.0	0.0	89.4	-10.6	97.0	-3.0	86.7	-13.3
1975 December.....	103.6	0.5	100.1	0.1	89.3	-0.1	96.6	-0.4	86.2	-0.6
1976 March.....	107.6	3.9	106.8	6.7	97.7	9.4	99.3	2.8	90.8	5.3
1976 June.....	108.9	1.2	106.5	-0.3	96.7	-1.0	97.8	-1.5	88.8	-2.2
1976 September.....	111.0	1.9	106.0	-0.5	99.7	3.1	95.5	-2.4	89.8	1.1
1976 December.....	111.0	0.0	106.4	0.4	104.5	4.8	95.9	0.4	94.1	4.8
1977 March.....	111.9	0.8	111.3	4.6	109.0	4.3	99.5	3.8	97.4	3.5
1977 June.....	112.9	0.9	112.2	0.8	111.4	2.2	99.4	-0.1	98.7	1.3
1977 September.....	116.6	3.3	112.2	0.0	113.0	1.4	96.2	-3.2	96.9	-1.8
1977 December.....	117.8	1.0	112.2	0.0	122.1	8.1	95.2	-1.0	103.7	7.0
1978 March.....	121.4	3.1	115.1	2.6	132.5	8.5	94.8	-0.4	109.1	5.2
1978 June.....	125.0	3.0	115.3	0.2	129.5	-2.3	92.2	-2.7	103.6	-5.0
1978 September.....	129.1	3.3	116.1	0.7	138.0	6.6	89.9	-2.5	106.9	3.2
1978 December.....	130.1	0.8	116.0	-0.1	144.5	4.7	89.2	-0.8	111.1	3.9
1979 March.....	136.0	4.5	120.5	3.9	151.7	5.0	88.6	-0.7	111.5	0.4

Please see notes at end of tables.

Table 6. U.S.–Germany comparisons: Air and gas pumps and compressors, and parts for pumps, compressors, and compressed air equipment

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	70.8	—	69.0	—	44.4	—	97.5	—	62.7	—
1971 June.....	74.0	4.5	73.1	5.9	48.7	9.7	98.8	1.3	65.8	4.9
1972 June.....	76.0	2.7	75.9	3.8	56.0	15.0	99.9	1.1	73.7	12.0
1973 June.....	79.9	5.1	77.8	2.5	70.6	26.1	97.4	-2.5	88.4	19.9
1974 March.....	83.6	4.6	83.8	7.7	75.0	6.2	100.2	2.9	89.7	1.5
1974 June.....	85.4	2.2	84.9	1.3	78.7	4.9	99.4	-0.8	92.2	2.8
1974 September.....	87.5	2.5	95.5	12.5	84.0	6.7	109.1	9.8	96.0	4.1
1974 December.....	89.6	2.4	96.0	0.5	91.7	9.2	107.1	-1.8	102.3	6.6
1975 March.....	100.5	12.2	99.8	4.0	100.7	9.8	99.3	-7.3	100.2	-2.1
1975 June.....	100.0	-0.5	100.0	0.2	100.0	-0.7	100.0	0.7	100.0	-0.2
1975 September.....	100.4	0.4	100.0	0.0	89.4	-10.6	99.6	-0.4	89.0	-11.0
1975 December.....	100.5	0.1	100.3	0.3	89.6	0.2	99.8	0.2	89.2	0.2
1976 March.....	117.7	17.1	105.3	5.0	96.3	7.5	89.5	-10.3	81.8	-8.3
1976 June.....	117.8	0.1	106.2	0.9	96.5	0.2	90.2	0.8	81.9	0.1
1976 September.....	118.1	0.3	106.2	0.0	99.9	3.5	89.9	-0.3	84.6	3.3
1976 December.....	118.6	0.4	106.2	0.0	104.4	4.5	89.5	-0.4	88.0	4.0
1977 March.....	118.8	0.2	108.1	1.8	105.8	1.3	91.0	1.7	89.1	1.2
1977 June.....	121.3	2.1	110.5	2.2	109.8	3.8	91.1	0.1	90.5	1.6
1977 September.....	122.0	0.6	110.6	0.1	111.4	1.5	90.7	-0.4	91.3	0.9
1977 December.....	122.3	0.2	108.3	-2.1	117.9	5.8	88.6	-2.3	96.4	5.6
1978 March.....	126.6	3.5	110.2	1.8	126.9	7.6	87.0	-1.8	100.2	3.9
1978 June.....	127.7	0.9	109.4	-0.7	122.9	-3.2	85.7	-1.5	96.2	-4.0
1978 September.....	128.4	0.5	109.6	0.2	130.2	5.9	85.4	-0.4	101.4	5.4
1978 December.....	133.0	3.6	110.4	0.7	137.5	5.6	83.0	-2.8	103.4	2.0
1979 March.....	136.6	2.7	111.5	1.0	140.3	2.0	81.6	-1.7	102.7	-0.7

Please see notes at end of tables.

Table 7. U.S.-Germany comparisons: Compressed air equipment

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	80.8	—	73.5	—	47.3	—	91.0	—	58.5	—
1971 June.....	80.9	0.1	81.5	10.9	54.3	14.8	100.7	10.7	67.1	14.7
1972 June.....	85.6	5.8	82.9	1.7	61.3	12.9	96.8	-3.9	71.6	6.7
1973 June.....	86.7	1.3	85.8	3.5	77.9	27.1	99.0	2.3	89.9	25.6
1974 March.....	87.0	0.3	90.5	5.5	80.9	3.9	104.0	5.1	93.0	3.4
1974 June.....	91.7	5.4	94.1	4.0	87.2	7.8	102.6	-1.3	95.1	2.3
1974 September.....	98.7	7.6	96.0	2.0	84.4	-3.2	97.3	-5.2	85.5	-10.1
1974 December.....	99.6	0.9	96.3	0.3	92.0	9.0	96.7	-0.6	92.4	8.1
1975 March.....	100.0	0.4	98.0	1.8	98.9	7.5	98.0	1.3	98.9	7.0
1975 June.....	100.0	0.0	100.0	2.0	100.0	1.1	100.0	2.0	100.0	1.1
1975 September.....	99.9	-0.1	100.2	0.2	89.6	-10.4	100.3	0.3	89.7	-10.3
1975 December.....	100.0	0.1	100.2	0.0	89.5	-0.1	100.2	-0.1	89.5	-0.2
1976 March.....	101.7	1.7	102.2	2.0	93.5	4.5	100.5	0.3	91.9	2.7
1976 June.....	101.8	0.1	104.4	2.2	94.8	1.4	102.6	2.1	93.1	1.3
1976 September.....	102.5	0.7	105.7	1.2	99.4	4.9	103.1	0.5	97.0	4.2
1976 December.....	102.8	0.3	105.7	0.0	103.9	4.5	102.8	-0.3	101.1	4.2
1977 March.....	105.4	2.5	110.0	4.1	107.6	3.6	104.4	1.6	102.1	1.0
1977 June.....	105.6	0.2	110.2	0.2	109.5	1.8	104.4	0.0	103.7	1.6
1977 September.....	108.1	2.4	110.7	0.5	111.5	1.8	102.4	-1.9	103.1	-0.6
1977 December.....	108.4	0.3	110.7	0.0	120.4	8.0	102.1	-0.3	111.1	7.8
1978 March.....	108.5	0.1	111.5	0.7	128.3	6.6	102.8	0.7	118.2	6.4
1978 June.....	110.1	1.5	113.5	1.8	127.5	-0.6	103.1	0.3	115.8	-2.0
1978 September.....	110.7	0.5	113.6	0.1	135.1	6.0	102.6	-0.5	122.0	5.4
1978 December.....	113.7	2.7	114.8	1.1	142.9	5.8	101.0	-1.6	125.7	3.0
1979 March.....	115.5	1.6	115.4	0.5	145.1	1.5	99.9	-1.1	125.6	-0.1

Please see notes at end of tables.

Table 8. U.S.-Germany comparisons: Pumps for liquids, except as parts for motor vehicles

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	61.5	—	67.7	—	43.6	—	110.1	—	70.9	—
1971 June.....	62.4	1.5	72.4	6.9	48.3	10.8	116.0	5.4	77.4	9.2
1972 June.....	64.5	3.4	75.6	4.4	55.8	15.5	117.2	1.0	86.5	11.8
1973 June.....	68.3	5.9	79.5	5.2	72.2	29.4	116.4	-0.7	105.7	22.2
1974 March.....	75.6	10.7	87.0	9.4	77.8	7.8	115.1	-1.1	102.9	-2.6
1974 June.....	86.8	14.8	88.8	2.1	82.3	5.8	102.3	-11.1	94.8	-7.9
1974 September.....	89.6	3.2	90.9	2.4	80.0	-2.8	101.5	-0.8	89.3	-5.8
1974 December.....	92.2	2.9	90.9	0.0	86.9	8.6	98.6	-2.9	94.3	5.6
1975 March.....	95.8	3.9	98.3	8.1	99.2	14.2	102.6	4.1	103.5	9.8
1975 June.....	100.0	4.4	100.0	1.7	100.0	0.8	100.0	-2.5	100.0	-3.4
1975 September.....	110.0	10.0	100.1	0.1	89.4	-10.6	91.0	-9.0	81.3	-18.7
1975 December.....	108.8	-1.1	100.1	0.0	89.3	-0.1	92.0	1.1	82.1	1.0
1976 March.....	109.8	0.9	103.8	3.7	94.9	6.3	94.5	2.7	86.4	5.2
1976 June.....	112.3	2.3	105.1	1.3	95.5	0.6	93.6	-1.0	85.0	-1.6
1976 September.....	117.5	4.6	105.4	0.3	99.0	3.7	89.7	-4.2	84.3	-0.8
1976 December.....	118.6	0.9	105.4	0.0	103.5	4.5	88.9	-0.9	87.3	3.6
1977 March.....	119.1	0.4	109.5	3.9	107.1	3.5	91.9	3.4	89.9	3.0
1977 June.....	123.5	3.7	110.9	1.3	110.2	2.9	89.8	-2.3	89.2	-0.8
1977 September.....	124.6	0.9	111.3	0.4	112.1	1.7	89.3	-0.6	90.0	0.9
1977 December.....	124.8	0.2	111.3	0.0	121.1	8.0	89.2	-0.1	97.0	7.8
1978 March.....	127.2	1.9	113.6	2.1	130.8	8.0	89.3	0.1	102.8	6.0
1978 June.....	130.7	2.8	113.9	0.3	127.9	-2.2	87.1	-2.5	97.9	-4.8
1978 September.....	131.7	0.8	113.9	0.0	135.4	5.9	86.5	-0.7	102.8	5.0
1978 December.....	137.8	4.6	113.9	0.0	141.9	4.8	82.7	-4.4	103.0	0.2
1979 March.....	139.9	1.5	114.6	0.6	144.1	1.6	81.9	-1.0	103.0	0.0

Please see notes at end of tables.

Table 9. U.S.-Germany comparisons: Construction machinery and equipment

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	62.7	—	70.0	—	45.1	—	111.6	—	71.9	—
1971 June.....	65.2	4.0	74.0	5.7	49.3	9.3	113.5	1.7	75.6	5.1
1972 June.....	69.8	7.1	77.7	5.0	57.4	16.4	111.3	-1.9	82.2	8.7
1973 June.....	73.4	5.2	82.9	6.7	75.3	31.2	112.9	1.4	102.6	24.8
1974 March.....	78.9	7.5	85.9	3.6	76.8	2.0	108.9	-3.5	97.3	-5.2
1974 June.....	83.2	5.4	88.3	2.8	81.8	6.5	106.1	-2.6	98.3	1.0
1974 September.....	89.7	7.8	90.6	2.6	79.7	-2.6	101.0	-4.8	88.9	-9.6
1974 December.....	94.2	5.0	94.0	3.8	89.8	12.7	99.8	-1.2	95.3	7.2
1975 March.....	99.2	5.3	99.3	5.6	100.2	11.6	100.1	0.3	101.0	6.0
1975 June.....	100.0	0.8	100.0	0.7	100.0	-0.2	100.0	-0.1	100.0	-1.0
1975 September.....	101.1	1.1	100.4	0.4	89.8	-10.2	99.3	-0.7	88.8	-11.2
1975 December.....	102.7	1.6	100.5	0.1	89.7	-0.1	97.9	-1.4	87.3	-1.7
1976 March.....	105.2	2.4	102.3	1.8	93.5	4.2	97.2	-0.7	88.9	1.8
1976 June.....	105.5	0.3	103.4	1.1	93.9	0.4	98.0	0.8	89.0	0.1
1976 September.....	106.7	1.1	104.4	1.0	98.2	4.6	97.8	-0.2	92.0	3.4
1976 December.....	109.6	2.7	104.4	0.0	102.5	4.4	95.3	-2.6	93.5	1.6
1977 March.....	112.3	2.5	107.3	2.8	105.0	2.4	95.5	0.2	93.5	0.0
1977 June.....	113.5	1.1	108.1	0.7	107.4	2.3	95.2	-0.3	94.6	1.2
1977 September.....	116.3	2.5	108.1	0.0	108.9	1.4	92.9	-2.4	93.6	-1.1
1977 December.....	119.6	2.8	108.1	0.0	117.6	8.0	90.4	-2.7	98.3	5.0
1978 March.....	120.6	0.8	108.2	0.1	124.5	5.9	89.7	-0.8	103.2	5.0
1978 June.....	125.0	3.6	109.1	0.8	122.5	-1.6	87.3	-2.7	98.0	-5.0
1978 September.....	127.5	2.0	109.3	0.2	130.0	6.1	85.7	-1.8	102.0	4.1
1978 December.....	132.0	3.5	109.1	-0.2	135.8	4.5	82.7	-3.5	102.9	0.9
1979 March.....	133.1	0.8	110.0	0.8	138.4	1.9	82.6	-0.1	104.0	1.1

Please see notes at end of tables.

Table 10. U.S.-Germany comparisons: Mining machinery and equipment

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	61.0	—	64.3	—	41.4	—	105.4	—	67.9	—
1971 June.....	63.4	3.9	71.7	11.5	47.8	15.5	113.1	7.3	75.4	11.0
1972 June.....	66.6	5.0	75.0	4.6	55.4	15.9	112.6	-0.4	83.2	10.3
1973 June.....	68.9	3.5	78.2	4.3	71.0	28.2	113.5	0.8	103.0	23.8
1974 March.....	74.7	8.4	86.4	10.5	77.3	8.9	115.7	1.9	103.5	0.5
1974 June.....	82.6	10.6	87.6	1.4	81.2	5.0	106.1	-8.3	98.3	-5.0
1974 September.....	89.1	7.9	90.4	3.2	79.5	-2.1	101.5	-4.3	89.2	-9.3
1974 December.....	93.4	4.8	91.3	1.0	87.2	9.7	97.8	-3.6	93.4	4.7
1975 March.....	96.3	3.1	97.8	7.1	98.7	13.2	101.6	3.9	102.5	9.7
1975 June.....	100.0	3.8	100.0	2.2	100.0	1.3	100.0	-1.6	100.0	-2.4
1975 September.....	104.8	4.8	101.0	1.0	90.3	-9.7	96.4	-3.6	86.2	-13.8
1975 December.....	110.1	5.1	101.1	0.1	90.3	0.0	91.8	-4.8	82.0	-4.9
1976 March.....	113.0	2.6	104.3	3.2	95.4	5.6	92.3	0.5	84.4	2.9
1976 June.....	113.5	0.4	106.4	2.0	96.6	1.3	93.7	1.5	85.1	0.8
1976 September.....	116.0	2.2	106.4	0.0	100.0	3.5	91.7	-2.1	86.2	1.3
1976 December.....	121.6	4.8	106.4	0.0	104.5	4.5	87.5	-4.6	85.9	-0.3
1977 March.....	125.4	3.1	110.4	3.8	108.1	3.4	88.0	0.6	86.2	0.3
1977 June.....	126.7	1.0	110.8	0.4	110.0	1.8	87.5	-0.6	86.8	0.7
1977 September.....	128.8	1.7	111.9	1.0	112.7	2.5	86.9	-0.7	87.5	0.8
1977 December.....	132.9	3.2	111.9	0.0	121.8	8.1	84.2	-3.1	91.6	4.7
1978 March.....	135.3	1.8	114.1	2.0	131.3	7.8	84.3	0.1	97.0	5.9
1978 June.....	135.7	0.3	114.7	0.5	128.9	-1.8	84.5	0.2	95.0	-2.1
1978 September.....	140.9	3.8	115.6	0.8	137.4	6.6	82.0	-3.0	97.5	2.6
1978 December.....	145.4	3.2	116.0	0.3	144.4	5.1	79.8	-2.7	99.3	1.8
1979 March.....	148.7	2.3	119.6	3.1	150.4	4.2	80.4	0.8	101.1	1.8

Please see notes at end of tables.

Table 11. U.S.-Germany comparisons: Agricultural machinery and equipment, except tractors

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	66.2	—	65.3	—	42.1	—	98.6	—	63.6	—
1971 June.....	68.5	3.5	71.5	9.5	47.7	13.3	104.4	5.9	69.6	9.4
1972 June.....	72.5	5.8	74.7	4.5	55.2	15.7	103.0	-1.3	76.1	9.3
1973 June.....	73.7	1.7	79.6	6.6	72.2	30.8	108.0	4.9	98.0	28.8
1974 March.....	79.2	7.5	86.8	9.0	77.7	7.6	109.6	1.5	98.1	0.1
1974 June.....	82.5	4.2	89.0	2.5	82.5	6.2	107.9	-1.6	100.0	1.9
1974 September.....	91.2	10.5	94.1	5.7	82.8	0.4	103.2	-4.4	90.8	-9.2
1974 December.....	95.6	4.8	95.1	1.1	90.9	9.8	99.5	-3.6	95.1	4.7
1975 March.....	99.4	4.0	97.8	2.8	98.7	8.6	98.4	-1.1	99.3	4.4
1975 June.....	100.0	0.6	100.0	2.2	100.0	1.3	100.0	1.6	100.0	0.7
1975 September.....	100.6	0.6	100.9	0.9	90.2	-9.8	100.3	0.3	89.7	-10.3
1975 December.....	103.9	3.3	102.0	1.1	91.1	1.0	98.2	-2.1	87.7	-2.2
1976 March.....	105.3	1.3	103.1	1.1	94.3	3.5	97.9	-0.3	89.6	2.2
1976 June.....	107.1	1.7	105.3	2.1	95.6	1.4	98.3	0.4	89.3	-0.3
1976 September.....	108.7	1.5	106.1	0.8	99.7	4.3	97.6	-0.7	91.7	2.7
1976 December.....	112.6	3.6	107.2	1.0	105.3	5.6	95.2	-2.5	93.5	2.0
1977 March.....	115.2	2.3	108.6	1.3	106.3	0.9	94.3	-0.9	92.3	-1.3
1977 June.....	115.1	-0.1	108.8	0.2	108.1	1.7	94.5	0.2	93.9	1.7
1977 September.....	116.3	1.0	110.3	1.4	111.1	2.8	94.8	0.3	95.5	1.7
1977 December.....	119.6	2.8	110.6	0.3	120.4	8.4	92.5	-2.4	100.7	5.4
1978 March.....	121.3	1.4	111.5	0.8	128.4	6.6	91.9	-0.6	105.9	5.2
1978 June.....	123.5	1.8	111.4	-0.1	125.1	-2.6	90.2	-1.8	101.3	-4.3
1978 September.....	125.3	1.5	114.5	2.8	136.1	8.8	91.4	1.3	108.6	7.2
1978 December.....	128.6	2.6	115.4	0.8	143.8	5.7	89.7	-1.9	111.8	2.9
1979 March.....	128.9	0.2	116.1	0.6	146.0	1.5	90.1	0.4	113.3	1.3

Please see notes at end of tables.

Table 12. U.S.-Germany comparisons: Agricultural tractors

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	64.2	—	73.4	—	47.3	—	114.3	—	73.7	—
1971 June.....	68.2	6.2	79.7	8.6	53.1	12.3	116.9	2.3	77.9	5.7
1972 June.....	71.3	4.5	81.7	2.5	60.4	13.7	114.6	-2.0	84.7	8.7
1973 June.....	73.9	3.6	82.4	0.9	74.8	23.8	111.5	-2.7	101.2	19.5
1974 March.....	81.3	10.0	86.3	4.7	77.2	3.2	106.2	-4.8	95.0	-6.1
1974 June.....	84.6	4.1	88.6	2.7	82.1	6.3	104.7	-1.4	97.0	2.1
1974 September.....	90.2	6.6	91.8	3.6	80.8	-1.6	101.8	-2.8	89.6	-7.6
1974 December.....	96.5	7.0	97.6	6.3	93.3	15.5	101.1	-0.7	96.7	7.9
1975 March.....	100.5	4.1	96.3	-1.3	97.2	4.2	95.8	-5.2	96.7	0.0
1975 June.....	100.0	-0.5	100.0	3.8	100.0	2.9	100.0	4.4	100.0	3.4
1975 September.....	102.8	2.8	100.0	0.0	89.4	-10.6	97.3	-2.7	87.0	-13.0
1975 December.....	108.0	5.1	102.8	2.8	91.8	2.7	95.2	-2.2	85.0	-2.3
1976 March.....	108.9	0.8	104.6	1.8	95.6	4.1	96.1	0.9	87.8	3.3
1976 June.....	111.0	1.9	105.7	1.1	96.0	0.4	95.2	-0.9	86.5	-1.5
1976 September.....	112.2	1.1	105.9	0.2	99.5	3.6	94.4	-0.8	88.7	2.5
1976 December.....	115.4	2.9	109.2	3.1	107.2	7.7	94.6	0.2	92.9	4.7
1977 March.....	119.6	3.6	110.5	1.2	108.1	0.8	92.4	-2.3	90.4	-2.7
1977 June.....	119.9	0.3	111.7	1.1	111.0	2.7	93.2	0.9	92.6	2.4
1977 September.....	124.5	3.8	111.7	0.0	112.5	1.4	89.7	-3.8	90.4	-2.4
1977 December.....	130.7	5.0	111.7	0.0	121.5	8.0	85.5	-4.7	93.0	2.9
1978 March.....	132.0	1.0	111.8	0.1	128.6	5.8	84.7	-0.9	97.4	4.7
1978 June.....	132.8	0.6	112.4	0.5	126.3	-1.8	84.6	-0.1	95.1	-2.4
1978 September.....	138.3	4.1	112.4	0.0	133.6	5.8	81.3	-3.9	96.6	1.6
1978 December.....	137.8	-0.4	112.9	0.4	140.7	5.3	81.9	0.7	102.1	5.7
1979 March.....	138.8	0.7	113.2	0.3	142.4	1.2	81.6	-0.4	102.6	0.5

Please see notes at end of tables.

Table 13. U.S.–Germany comparisons: Cranes, hoists, and winches, not manually operated

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	60.2	—	66.8	—	43.1	—	111.0	—	71.6	—
1971 June.....	63.3	5.1	74.6	11.7	49.7	15.3	117.9	6.2	78.5	9.6
1972 June.....	65.7	3.8	79.7	6.8	58.9	18.5	121.3	2.9	89.6	14.1
1973 June.....	70.8	7.8	84.8	6.4	77.0	30.7	119.8	-1.2	108.8	21.4
1974 March.....	74.2	4.8	92.1	8.6	82.3	6.9	124.1	3.6	110.9	1.9
1974 June.....	83.1	12.0	92.4	0.3	85.7	4.1	111.2	-10.4	103.1	-7.0
1974 September.....	84.7	1.9	94.3	2.1	82.9	-3.3	111.3	0.1	97.9	-5.0
1974 December.....	89.6	5.8	94.3	0.0	90.0	8.6	105.2	-5.5	100.4	2.6
1975 March.....	98.1	9.5	99.8	5.8	100.7	11.9	101.7	-3.3	102.7	2.3
1975 June.....	100.0	1.9	100.0	0.2	100.0	-0.7	100.0	-1.7	100.0	-2.6
1975 September.....	102.0	2.0	100.0	0.0	89.4	-10.6	98.0	-2.0	87.6	-12.4
1975 December.....	104.8	2.7	100.0	0.0	89.3	-0.1	95.4	-2.7	85.2	-2.7
1976 March.....	106.7	1.8	99.6	-0.4	91.1	2.0	93.3	-2.2	85.4	0.2
1976 June.....	107.0	0.3	101.8	2.2	92.4	1.4	95.1	1.9	86.4	1.2
1976 September.....	108.7	1.6	102.6	0.8	96.5	4.4	94.4	-0.7	88.8	2.8
1976 December.....	110.2	1.4	102.6	0.0	100.8	4.5	93.1	-1.4	91.5	3.0
1977 March.....	111.6	1.3	113.9	11.0	111.5	10.6	102.1	9.7	99.9	9.2
1977 June.....	113.8	2.0	114.1	0.2	113.4	1.7	100.3	-1.8	99.6	-0.3
1977 September.....	116.1	2.0	114.1	0.0	115.0	1.4	98.3	-2.0	99.1	-0.5
1977 December.....	117.4	1.1	114.1	0.0	124.2	8.0	97.2	-1.1	105.8	6.8
1978 March.....	119.8	2.0	114.1	0.0	131.4	5.8	95.2	-2.1	109.7	3.7
1978 June.....	121.5	1.4	118.5	3.9	133.0	1.2	97.5	2.4	109.5	-0.2
1978 September.....	123.9	2.0	118.5	0.0	140.8	5.9	95.6	-1.9	113.6	3.7
1978 December.....	127.8	3.1	118.5	0.0	147.5	4.8	92.7	-3.0	115.4	1.6
1979 March.....	128.6	0.6	123.8	4.5	155.7	5.6	96.3	3.9	121.1	4.9

Please see notes at end of tables.

Table 14. U.S.–Germany comparisons: Industrial trucks, and manually operated cranes, hoists, and winches

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	65.4	—	69.1	—	44.5	—	105.7	—	68.0	—
1971 June.....	67.8	3.7	74.0	7.1	49.3	10.8	109.1	3.2	72.7	6.9
1972 June.....	70.8	4.4	76.7	3.6	56.6	14.8	108.3	-0.7	79.9	9.9
1973 June.....	73.2	3.4	81.6	6.4	74.0	30.7	111.5	3.0	101.1	26.5
1974 March.....	81.5	11.3	88.7	8.7	79.3	7.2	108.8	-2.4	97.3	-3.8
1974 June.....	84.9	4.2	90.7	2.3	84.1	6.1	106.8	-1.8	99.1	1.8
1974 September.....	89.8	5.8	93.3	2.9	82.1	-2.4	103.9	-2.7	91.4	-7.8
1974 December.....	93.3	3.9	93.5	0.2	89.3	8.8	100.2	-3.6	95.7	4.7
1975 March.....	100.8	8.0	100.0	7.0	100.9	13.0	99.2	-1.0	100.1	4.6
1975 June.....	100.0	-0.8	100.0	0.0	100.0	-0.9	100.0	0.8	100.0	-0.1
1975 September.....	103.2	3.2	100.0	0.0	89.4	-10.6	96.9	-3.1	86.6	-13.4
1975 December.....	104.6	1.4	99.9	-0.1	89.2	-0.2	95.5	-1.4	85.3	-1.5
1976 March.....	106.8	2.1	102.4	2.5	93.6	4.9	95.9	0.4	87.6	2.7
1976 June.....	107.2	0.4	102.6	0.2	93.1	-0.5	95.7	-0.2	86.8	-0.9
1976 September.....	107.4	0.2	102.6	0.0	96.4	3.5	95.5	-0.2	89.8	3.5
1976 December.....	109.9	2.3	102.6	0.0	100.7	4.5	93.4	-2.2	91.6	2.0
1977 March.....	112.0	1.9	105.5	2.8	103.2	2.5	94.2	0.9	92.1	0.5
1977 June.....	113.7	1.5	105.5	0.0	104.8	1.6	92.8	-1.5	92.2	0.1
1977 September.....	114.0	0.3	105.9	0.4	106.7	1.8	92.9	0.1	93.6	1.5
1977 December.....	116.6	2.3	105.9	0.0	115.3	8.1	90.8	-2.3	98.9	5.7
1978 March.....	119.3	2.3	108.3	2.3	124.6	8.1	90.8	0.0	104.4	5.6
1978 June.....	120.2	0.8	108.8	0.5	122.2	-1.9	90.5	-0.3	101.7	-2.6
1978 September.....	125.0	4.0	108.2	-0.6	128.6	5.2	86.6	-4.3	102.9	1.2
1978 December.....	126.5	1.2	108.2	0.0	134.8	4.8	85.5	-1.3	106.6	3.6
1979 March.....	129.3	2.2	110.4	2.0	138.9	3.0	85.4	-0.1	107.4	0.8

Please see notes at end of tables.

Table 15. U.S.-Germany comparisons: Machines for making or finishing paper and paper products

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	69.2	—	64.4	—	41.5	—	93.1	—	60.0	—
1971 June.....	72.7	5.1	70.1	8.9	46.7	12.5	96.4	3.5	64.2	7.0
1972 June.....	75.4	3.7	74.1	5.7	54.7	17.1	98.3	2.0	72.5	12.9
1973 June.....	84.6	12.2	78.2	5.5	71.0	29.8	92.4	-6.0	83.9	15.7
1974 March.....	89.9	6.3	86.2	10.2	77.0	8.5	95.9	3.8	85.7	2.1
1974 June.....	93.7	4.2	88.7	2.9	82.2	6.8	94.7	-1.3	87.7	2.3
1974 September.....	96.4	2.9	90.5	2.0	79.6	-3.2	93.9	-0.8	82.6	-5.8
1974 December.....	96.7	0.3	91.1	0.7	87.0	9.3	94.2	0.3	90.0	9.0
1975 March.....	98.8	2.2	98.8	8.5	99.7	14.6	100.0	6.2	100.9	12.1
1975 June.....	100.0	1.2	100.0	1.2	100.0	0.3	100.0	0.0	100.0	-0.9
1975 September.....	100.0	0.0	100.8	0.8	90.1	-9.9	100.8	0.8	90.1	-9.9
1975 December.....	100.0	0.0	101.6	0.8	90.7	0.7	101.6	0.8	90.7	0.7
1976 March.....	108.0	8.0	103.9	2.3	95.0	4.7	96.2	-5.3	88.0	-3.0
1976 June.....	108.0	0.0	104.1	0.2	94.5	-0.5	96.4	0.2	87.5	-0.6
1976 September.....	108.0	0.0	104.2	0.1	97.9	3.6	96.5	0.1	90.6	3.5
1976 December.....	110.1	1.9	104.8	0.6	102.9	5.1	95.2	-1.3	93.5	3.2
1977 March.....	116.8	6.1	110.5	5.4	108.2	5.2	94.6	-0.6	92.6	-1.0
1977 June.....	117.7	0.8	110.7	0.2	110.0	1.7	94.1	-0.5	93.5	1.0
1977 September.....	118.5	0.7	110.8	0.1	111.6	1.5	93.5	-0.6	94.2	0.7
1977 December.....	118.9	0.3	111.2	0.4	121.0	8.4	93.5	0.0	101.8	8.1
1978 March.....	121.8	2.4	113.7	2.2	130.9	8.2	93.3	-0.2	107.5	5.6
1978 June.....	124.0	1.8	113.5	-0.2	127.5	-2.6	91.5	-1.9	102.8	-4.4
1978 September.....	127.8	3.1	113.5	0.0	134.9	5.8	88.8	-3.0	105.6	2.7
1978 December.....	129.3	1.2	113.9	0.4	141.9	5.2	88.1	-0.8	109.7	3.9
1979 March.....	129.5	0.2	117.4	3.1	147.7	4.1	90.7	3.0	114.1	4.0

Please see notes at end of tables.

Table 16. U.S.-Germany comparisons: Typemaking, typesetting, and printing machines

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	80.8	—	67.6	—	43.6	—	83.7	—	54.0	—
1971 June.....	83.8	3.7	74.2	9.8	49.4	13.3	88.5	5.7	58.9	9.1
1972 June.....	86.1	2.7	77.0	3.8	56.9	15.2	89.4	1.0	66.1	12.2
1973 June.....	86.2	0.1	82.1	6.6	74.6	31.1	95.2	6.5	86.5	30.9
1974 March.....	87.8	1.9	90.0	9.6	80.5	7.9	102.5	7.7	91.7	6.0
1974 June.....	92.0	4.8	90.6	0.7	84.0	4.3	98.5	-3.9	91.3	-0.4
1974 September.....	92.9	1.0	92.9	2.5	81.8	-2.6	100.0	1.5	88.1	-3.5
1974 December.....	97.7	5.2	94.7	1.9	90.5	10.6	96.9	-3.1	92.6	5.1
1975 March.....	100.0	2.4	96.2	1.6	97.1	7.3	96.2	-0.7	97.1	4.9
1975 June.....	100.0	0.0	100.0	4.0	100.0	3.0	100.0	4.0	100.0	3.0
1975 September.....	104.3	4.3	100.2	0.2	89.6	-10.4	96.1	-3.9	85.9	-14.1
1975 December.....	105.6	1.2	100.8	0.6	90.0	0.4	95.5	-0.6	85.2	-0.8
1976 March.....	112.4	6.4	103.2	2.4	94.4	4.9	91.8	-3.9	84.0	-1.4
1976 June.....	112.4	0.0	104.0	0.8	94.4	0.0	92.5	0.8	84.0	0.0
1976 September.....	114.1	1.5	106.2	2.1	99.8	5.7	93.1	0.6	87.5	4.2
1976 December.....	118.0	3.4	106.6	0.4	104.7	4.9	90.3	-3.0	88.7	1.4
1977 March.....	124.0	5.1	109.0	2.3	106.7	1.9	87.9	-2.7	86.0	-3.0
1977 June.....	126.3	1.9	110.1	1.0	109.4	2.5	87.2	-0.8	86.6	0.7
1977 September.....	129.2	2.3	111.4	1.2	112.2	2.6	86.2	-1.1	86.8	0.2
1977 December.....	130.4	0.9	111.6	0.2	121.4	8.2	85.6	-0.7	93.1	7.3
1978 March.....	135.0	3.5	112.6	0.9	129.6	6.8	83.4	-2.6	96.0	3.1
1978 June.....	139.3	3.2	112.8	0.2	126.7	-2.2	81.0	-2.9	91.0	-5.2
1978 September.....	138.7	-0.4	114.9	1.9	136.6	7.8	82.8	2.2	98.5	8.2
1978 December.....	140.4	1.2	115.0	0.1	143.2	4.8	81.9	-1.1	102.0	3.6
1979 March.....	143.1	1.9	116.7	1.5	146.8	2.5	81.6	-0.4	102.6	0.6

Please see notes at end of tables.

Table 17. U.S.-Germany comparisons: Taps, cocks, valves, and similar devices

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	67.8	—	76.2	—	49.1	—	112.4	—	72.4	—
1971 June.....	69.7	2.8	79.7	4.6	53.1	8.1	114.3	1.7	76.2	5.2
1972 June.....	67.0	-3.9	81.6	2.4	60.3	13.6	121.8	6.6	90.0	18.1
1973 June.....	70.5	5.2	85.3	4.5	77.4	28.4	121.0	-0.7	109.8	22.0
1974 March.....	81.2	15.2	95.1	11.5	85.1	9.9	117.1	-3.2	104.8	-4.6
1974 June.....	82.8	2.0	101.5	6.7	94.1	10.6	122.6	4.7	113.6	8.4
1974 September.....	92.0	11.1	101.7	0.2	89.4	-5.0	110.5	-9.9	97.2	-14.4
1974 December.....	93.8	2.0	101.3	-0.4	96.8	8.3	108.0	-2.3	103.2	6.2
1975 March.....	96.7	3.1	100.6	-0.7	101.5	4.9	104.0	-3.7	105.0	1.7
1975 June.....	100.0	3.4	100.0	-0.6	100.0	-1.5	100.0	-3.8	100.0	-4.8
1975 September.....	100.8	0.8	100.8	0.8	90.1	-9.9	100.0	0.0	89.4	-10.6
1975 December.....	103.1	2.3	100.1	-0.7	89.3	-0.9	97.1	-2.9	86.6	-3.1
1976 March.....	107.0	3.8	102.0	1.9	93.2	4.4	95.3	-1.9	87.1	0.6
1976 June.....	107.7	0.7	103.7	1.7	94.2	1.1	96.3	1.0	87.5	0.5
1976 September.....	109.4	1.6	103.1	-0.6	97.0	3.0	94.2	-2.2	88.7	1.4
1976 December.....	113.4	3.7	103.1	0.0	101.3	4.4	90.9	-3.5	89.3	0.7
1977 March.....	114.0	0.5	106.0	2.8	103.7	2.4	93.0	2.3	91.0	1.9
1977 June.....	114.8	0.7	106.6	0.6	105.9	2.1	92.9	-0.1	92.2	1.3
1977 September.....	115.1	0.3	105.5	-1.0	106.3	0.4	91.7	-1.3	92.4	0.2
1977 December.....	119.3	3.6	105.5	0.0	114.8	8.0	88.4	-3.6	96.2	4.1
1978 March.....	121.3	1.7	106.9	1.3	123.0	7.1	88.1	-0.3	101.4	5.4
1978 June.....	123.2	1.6	107.0	0.1	120.2	-2.3	86.9	-1.4	97.6	-3.7
1978 September.....	125.6	1.9	107.1	0.1	127.3	5.9	85.3	-1.8	101.4	3.9
1978 December.....	130.1	3.6	107.3	0.2	133.6	4.9	82.5	-3.3	102.7	1.3
1979 March.....	133.2	2.4	108.6	1.2	136.7	2.3	81.5	-1.2	102.6	-0.1

Please see notes at end of tables.

Table 18. U.S.-Germany comparisons: Internal combustion engines for motor vehicles

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 June.....	100.0	—	100.0	—	100.0	—	100.0	—	100.0	—
1975 September.....	106.6	6.6	100.1	0.1	89.5	-10.5	93.9	-6.1	84.0	-16.0
1975 December.....	106.6	0.0	100.1	0.0	89.4	-0.1	93.9	0.0	83.9	-0.1
1976 March.....	110.6	3.8	101.1	1.0	92.5	3.5	91.4	-2.7	83.6	-0.4
1976 June.....	110.6	0.0	104.8	3.7	95.2	2.9	94.8	3.7	86.1	3.0
1976 September.....	112.7	1.9	104.8	0.0	98.5	3.5	93.0	-1.9	87.4	1.5
1976 December.....	113.5	0.7	104.9	0.1	103.1	4.7	92.4	-0.6	90.8	3.9
1977 March.....	113.6	0.1	105.6	0.7	103.3	0.2	93.0	0.6	90.9	0.1
1977 June.....	113.6	0.0	109.6	3.8	108.9	5.4	96.5	3.8	95.9	5.5
1977 September.....	120.6	6.2	109.8	0.2	110.6	1.6	91.0	-5.7	91.7	-4.4
1977 December.....	121.4	0.7	109.8	0.0	119.5	8.0	90.4	-0.7	98.4	7.3
1978 March.....	124.1	2.2	113.7	3.6	130.9	9.5	91.6	1.3	105.5	7.2
1978 June.....	124.1	0.0	115.0	1.1	129.2	-1.3	92.7	1.2	104.1	-1.3
1978 September.....	129.4	4.3	115.0	0.0	136.7	5.8	88.9	-4.1	105.6	1.4
1978 December.....	129.4	0.0	115.0	0.0	143.3	4.8	88.9	0.0	110.7	4.8
1979 March.....	131.0	1.2	117.1	1.8	147.3	2.8	89.4	0.6	112.4	1.5

Please see notes at end of tables.

Table 19. U.S.-Germany comparisons: Parts and accessories for motor vehicles, except electric

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	69.1	—	72.3	—	46.6	—	104.6	—	67.4	—
1971 June.....	71.8	3.9	76.5	5.8	51.0	9.4	106.5	1.8	71.0	5.3
1972 June.....	74.0	3.1	77.6	1.4	57.3	12.4	104.9	-1.5	77.4	9.0
1973 June.....	77.6	4.9	80.9	4.3	73.5	28.3	104.3	-0.6	94.7	22.4
1974 March.....	79.7	2.7	88.8	9.8	79.4	8.0	111.4	6.8	99.6	5.2
1974 June.....	86.9	9.0	91.1	2.6	84.5	6.4	104.8	-5.9	97.2	-2.4
1974 September.....	91.7	5.5	92.7	1.8	81.6	-3.4	101.1	-3.5	89.0	-8.4
1974 December.....	96.7	5.5	93.3	0.6	89.1	9.2	96.5	-4.5	92.1	3.5
1975 March.....	98.6	2.0	99.1	6.2	100.0	12.2	100.5	4.1	101.4	10.1
1975 June.....	100.0	1.4	100.0	0.9	100.0	0.0	100.0	-0.5	100.0	-1.4
1975 September.....	101.5	1.5	100.8	0.8	90.1	-9.9	99.3	-0.7	88.8	-11.2
1975 December.....	102.2	0.7	101.7	0.9	90.8	0.8	99.5	0.2	88.8	0.0
1976 March.....	103.8	1.6	105.0	3.2	96.0	5.7	101.2	1.7	92.5	4.2
1976 June.....	104.0	0.2	105.8	0.8	96.1	0.1	101.7	0.5	92.4	-0.1
1976 September.....	105.0	1.0	106.0	0.2	99.7	3.7	101.0	-0.7	95.0	2.8
1976 December.....	108.3	3.1	105.0	-0.9	103.1	3.4	97.0	-4.0	95.2	0.2
1977 March.....	108.8	0.5	108.8	3.6	106.5	3.3	100.0	3.1	97.9	2.8
1977 June.....	108.6	-0.2	111.0	2.0	110.3	3.6	102.2	2.2	101.6	3.8
1977 September.....	111.0	2.2	111.0	0.0	111.8	1.4	100.0	-2.2	100.7	-0.9
1977 December.....	110.8	-0.2	111.2	0.2	121.0	8.2	100.4	0.4	109.2	8.4
1978 March.....	116.2	4.9	113.3	1.9	130.5	7.9	97.5	-2.9	112.3	2.8
1978 June.....	118.2	1.7	113.8	0.4	127.8	-2.1	96.3	-1.2	108.1	-3.7
1978 September.....	122.4	3.6	114.1	0.3	135.6	6.1	93.2	-3.2	110.8	2.5
1978 December.....	124.8	2.0	114.2	0.1	142.2	4.9	91.5	-1.8	113.9	2.8
1979 March.....	130.4	4.5	116.4	1.9	146.4	3.0	89.3	-2.4	112.3	-1.4

Please see notes at end of tables.

Table 20. U.S.-Germany comparisons: Electric motors and generators

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	65.5	—	64.1	—	41.3	—	97.9	—	63.1	—
1971 June.....	69.7	6.4	73.1	14.0	48.7	17.9	104.9	7.2	69.9	10.8
1972 June.....	72.6	4.2	76.2	4.2	56.3	15.6	105.0	0.1	77.5	10.9
1973 June.....	76.5	5.4	80.4	5.5	73.0	29.7	105.1	0.1	95.4	23.1
1974 March.....	82.6	8.0	86.7	7.8	77.5	6.2	105.0	-0.1	93.8	-1.7
1974 June.....	85.9	4.0	90.1	3.9	83.5	7.7	104.9	-0.1	97.2	3.6
1974 September.....	90.6	5.5	93.8	4.1	82.5	-1.2	103.5	-1.3	91.1	-6.3
1974 December.....	92.8	2.4	93.5	-0.3	89.3	8.2	100.8	-2.6	96.2	5.6
1975 March.....	95.0	2.4	99.1	6.0	100.1	12.1	104.3	3.5	105.4	9.6
1975 June.....	100.0	5.3	100.0	0.9	100.0	-0.1	100.0	-4.1	100.0	-5.1
1975 September.....	102.4	2.4	100.7	0.7	90.0	-10.0	98.3	-1.7	87.9	-12.1
1975 December.....	103.0	0.6	100.7	0.0	89.9	-0.1	97.8	-0.5	87.3	-0.7
1976 March.....	103.8	0.8	103.4	2.7	94.5	5.1	99.6	1.8	91.0	4.2
1976 June.....	106.0	2.1	105.8	2.3	96.1	1.7	99.8	0.2	90.7	-0.3
1976 September.....	107.4	1.3	105.8	0.0	99.5	3.5	98.5	-1.3	92.6	2.1
1976 December.....	108.8	1.3	105.8	0.0	103.9	4.4	97.2	-1.3	95.5	3.1
1977 March.....	112.5	3.4	109.2	3.2	106.9	2.9	97.1	-0.1	95.0	-0.5
1977 June.....	111.5	-0.9	110.3	1.0	109.6	2.5	98.9	1.9	98.3	3.5
1977 September.....	112.8	1.2	110.3	0.0	111.1	1.4	97.8	-1.1	98.5	0.2
1977 December.....	112.8	0.0	110.3	0.0	120.1	8.1	97.8	0.0	106.5	8.1
1978 March.....	117.1	3.8	112.8	2.3	129.9	8.2	96.3	-1.5	110.9	4.1
1978 June.....	119.2	1.8	109.4	-3.0	122.9	-5.4	91.8	-4.7	103.1	-7.0
1978 September.....	118.9	-0.3	109.4	0.0	130.0	5.8	92.0	0.2	109.3	6.0
1978 December.....	122.3	2.9	109.4	0.0	136.3	4.8	89.5	-2.7	111.4	1.9
1979 March.....	127.1	3.9	111.7	2.1	140.5	3.1	87.9	-1.8	110.5	-0.8

Please see notes at end of tables.

Table 21. U.S.–Germany comparisons: Transformers, rectifiers, and rectifying apparatus

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	78.3	—	83.1	—	53.6	—	106.1	—	68.5	—
1971 June.....	76.3	-2.6	84.3	1.4	56.2	4.9	110.5	4.1	73.7	7.6
1972 June.....	81.8	7.2	87.4	3.7	64.6	14.9	106.8	-3.3	79.0	7.2
1973 June.....	78.4	-4.2	89.1	1.9	80.9	25.2	113.6	6.4	103.2	30.6
1974 March.....	88.4	12.8	87.6	-1.7	78.3	-3.2	99.1	-12.8	88.6	-14.1
1974 June.....	92.0	4.1	88.3	0.8	81.9	4.6	96.0	-3.1	89.0	0.5
1974 September.....	93.7	1.8	91.9	4.1	80.8	-1.3	98.1	2.2	86.2	-3.1
1974 December.....	96.2	2.7	93.3	1.5	89.2	10.4	97.0	-1.1	92.7	7.5
1975 March.....	98.5	2.4	100.1	7.3	101.0	13.2	101.6	4.7	102.5	10.6
1975 June.....	100.0	1.5	100.0	-0.1	100.0	-1.0	100.0	-1.6	100.0	-2.4
1975 September.....	101.1	1.1	100.5	0.5	89.8	-10.2	99.4	-0.6	88.8	-11.2
1975 December.....	101.3	0.2	99.4	-1.1	88.8	-1.1	98.1	-1.3	87.7	-1.2
1976 March.....	103.2	1.9	99.6	0.2	91.0	2.5	96.5	-1.6	88.2	0.6
1976 June.....	105.6	2.3	99.6	0.0	90.4	-0.7	94.3	-2.3	85.6	-2.9
1976 September.....	104.9	-0.7	100.9	1.3	94.9	5.0	96.2	2.0	90.5	5.7
1976 December.....	105.4	0.5	100.9	0.0	99.1	4.4	95.7	-0.5	94.0	3.9
1977 March.....	109.9	4.3	104.4	3.5	102.2	3.1	95.0	-0.7	93.0	-1.1
1977 June.....	110.6	0.6	105.3	0.9	104.6	2.3	95.2	0.2	94.6	1.7
1977 September.....	111.6	0.9	105.2	-0.1	105.9	1.2	94.3	-0.9	94.9	0.3
1977 December.....	111.0	-0.5	105.2	0.0	114.5	8.1	94.8	0.5	103.2	8.7
1978 March.....	113.4	2.2	104.8	-0.4	120.6	5.3	92.4	-2.5	106.3	3.0
1978 June.....	114.3	0.8	106.3	1.4	119.3	-1.1	93.0	0.6	104.4	-1.8
1978 September.....	115.6	1.1	106.2	-0.1	126.2	5.8	91.9	-1.2	109.2	4.6
1978 December.....	117.4	1.6	106.2	0.0	132.2	4.8	90.5	-1.5	112.6	3.1
1979 March.....	121.3	3.3	107.5	1.2	135.3	2.3	88.6	-2.1	111.5	-1.0

Please see notes at end of tables.

Table 22. U.S.–Germany comparisons: Electric switches and switchgear

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	70.4	—	70.1	—	45.2	—	99.6	—	64.2	—
1971 June.....	75.0	6.5	73.5	4.9	49.0	8.4	98.0	-1.6	65.3	1.7
1972 June.....	77.3	3.1	77.3	5.2	57.1	16.5	100.0	2.0	73.9	13.2
1973 June.....	79.5	2.8	80.2	3.8	72.8	27.5	100.9	0.9	91.6	24.0
1974 March.....	81.1	2.0	87.5	9.1	78.3	7.6	107.9	6.9	96.5	5.3
1974 June.....	92.1	13.6	88.9	1.6	82.4	5.2	96.5	-10.6	89.5	-7.3
1974 September.....	95.0	3.1	92.1	3.6	81.0	-1.7	96.9	0.4	85.3	-4.7
1974 December.....	96.6	1.7	92.2	0.1	88.1	8.8	95.4	-1.5	91.2	6.9
1975 March.....	98.7	2.2	96.7	4.9	97.6	10.8	98.0	2.7	98.9	8.4
1975 June.....	100.0	1.3	100.0	3.4	100.0	2.5	100.0	2.0	100.0	1.1
1975 September.....	100.0	0.0	100.2	0.2	89.6	-10.4	100.2	0.2	89.6	-10.4
1975 December.....	100.0	0.0	100.2	0.0	89.5	-0.1	100.2	0.0	89.5	-0.1
1976 March.....	100.5	0.5	102.9	2.7	94.1	5.1	102.4	2.2	93.6	4.6
1976 June.....	105.4	4.9	104.5	1.6	94.9	0.9	99.1	-3.2	90.0	-3.8
1976 September.....	106.0	0.6	104.7	0.2	98.4	3.7	98.8	-0.3	92.8	3.1
1976 December.....	106.5	0.5	104.8	0.1	102.9	4.6	98.4	-0.4	96.6	4.1
1977 March.....	109.5	2.8	109.1	4.1	106.7	3.7	99.6	1.2	97.4	0.8
1977 June.....	110.9	1.3	110.4	1.2	109.7	2.8	99.5	-0.1	98.9	1.5
1977 September.....	111.4	0.5	110.8	0.4	111.6	1.7	99.5	0.0	100.2	1.3
1977 December.....	115.0	3.2	110.8	0.0	120.6	8.1	96.3	-3.2	104.9	4.7
1978 March.....	117.0	1.7	113.8	2.7	131.0	8.6	97.3	1.0	112.0	6.8
1978 June.....	116.0	-0.9	113.7	-0.1	127.7	-2.5	98.0	0.7	110.1	-1.7
1978 September.....	115.4	-0.5	112.9	-0.7	134.2	5.1	97.8	-0.2	116.3	5.6
1978 December.....	116.7	1.1	112.9	0.0	140.6	4.8	96.7	-1.1	120.5	3.6
1979 March.....	117.4	0.6	115.8	2.6	145.7	3.6	98.6	2.0	124.1	3.0

Please see notes at end of tables.

Table 23. U.S.–Germany comparisons: Electrical installation equipment and hardware

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 March	97.1	—	99.6	—	100.5	—	102.6	—	103.5	—
1975 June	100.0	3.0	100.0	0.4	100.0	-0.5	100.0	-2.5	100.0	-3.4
1975 September	100.0	0.0	100.0	0.0	89.4	-10.6	100.0	0.0	89.4	-10.6
1975 December	101.5	1.5	100.1	0.1	89.3	-0.1	98.6	-1.4	88.0	-1.6
1976 March	101.5	0.0	100.8	0.7	92.1	3.1	99.3	0.7	90.7	3.1
1976 June	109.1	7.5	101.4	0.6	92.1	0.0	92.9	-6.4	84.4	-6.9
1976 September	111.6	2.3	103.2	1.8	97.0	5.3	92.5	-0.4	86.9	3.0
1976 December	111.6	0.0	104.3	1.1	102.4	5.6	93.5	1.1	91.8	5.6
1977 March	114.3	2.4	103.9	-0.4	101.7	-0.7	90.9	-2.8	89.0	-3.1
1977 June	116.1	1.6	105.6	1.6	104.9	3.1	91.0	0.1	90.4	1.6
1977 September	124.6	7.3	106.4	0.8	107.1	2.1	85.4	-6.2	86.0	-4.9
1977 December	127.5	2.3	106.4	0.0	115.8	8.1	83.5	-2.2	90.8	5.6
1978 March	127.5	0.0	109.1	2.5	125.6	8.5	85.6	2.5	98.5	8.5
1978 June	132.4	3.8	110.1	0.9	123.6	-1.6	83.2	-2.8	93.4	-5.2
1978 September	132.4	0.0	110.6	0.5	131.4	6.3	83.5	0.4	99.2	6.2
1978 December	136.7	3.2	110.4	-0.2	137.5	4.6	80.8	-3.2	100.6	1.4
1979 March	138.1	1.0	110.7	0.3	139.3	1.3	80.2	-0.7	100.9	0.3

Please see notes at end of tables.

Table 24. U.S.–Germany comparisons: Electromechanical hand tools

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June	81.1	—	71.6	—	46.1	—	88.3	—	56.8	—
1971 June	82.0	1.1	77.7	8.5	51.8	12.4	94.8	7.4	63.2	11.3
1972 June	83.4	1.7	79.6	2.4	58.8	13.5	95.4	0.6	70.5	11.6
1973 June	85.2	2.2	83.8	5.3	76.1	29.4	98.4	3.1	89.3	26.7
1974 March	85.9	0.8	90.4	7.9	80.8	6.2	105.2	6.9	94.1	5.4
1974 June	89.0	3.6	90.4	0.0	83.8	3.7	101.6	-3.4	94.2	0.1
1974 September	94.5	6.2	90.7	0.3	79.7	-4.9	96.0	-5.5	84.3	-10.5
1974 December	95.8	1.4	92.8	2.3	88.6	11.2	96.9	0.9	92.5	9.7
1975 March	99.9	4.3	98.9	6.6	99.8	12.6	99.0	2.2	99.9	8.0
1975 June	100.0	0.1	100.0	1.1	100.0	0.2	100.0	1.0	100.0	0.1
1975 September	103.6	3.6	101.0	1.0	90.3	-9.7	97.5	-2.5	87.2	-12.8
1975 December	105.2	1.5	101.0	0.0	90.2	-0.1	96.0	-1.5	85.7	-1.7
1976 March	106.9	1.6	102.1	1.1	93.4	3.5	95.5	-0.5	87.4	2.0
1976 June	109.4	2.3	104.2	2.1	94.6	1.3	95.2	-0.3	86.5	-1.0
1976 September	110.3	0.8	104.9	0.7	98.6	4.2	95.1	-0.1	89.4	3.4
1976 December	110.3	0.0	105.8	0.9	104.0	5.5	95.9	0.8	94.3	5.5
1977 March	114.4	3.7	107.5	1.6	105.2	1.2	94.0	-2.0	92.0	-2.4
1977 June	115.7	1.1	108.2	0.7	107.5	2.2	93.5	-0.5	92.9	1.0
1977 September	116.6	0.8	108.8	0.6	109.6	2.0	93.3	-0.2	94.0	1.2
1977 December	117.4	0.7	108.8	0.0	118.4	8.0	92.7	-0.6	100.9	7.3
1978 March	124.1	5.7	109.6	0.7	126.2	6.6	88.3	-4.7	101.7	0.8
1978 June	125.0	0.7	108.6	-0.9	122.0	-3.3	86.9	-1.6	97.6	-4.0
1978 September	128.8	3.0	109.3	0.6	129.9	6.5	84.9	-2.3	100.9	3.4
1978 December	128.8	0.0	109.3	0.0	136.1	4.8	84.9	0.0	105.7	4.8
1979 March	134.8	4.7	108.8	-0.5	136.8	0.5	80.7	-4.9	101.5	-4.0

Please see notes at end of tables.

Table 25. U.S.-Germany comparisons: Electric space heating and cooling equipment, and electrothermal appliances

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	83.7	—	76.6	—	49.4	—	91.5	—	59.0	—
1971 June.....	84.9	1.4	81.7	6.7	54.4	10.1	96.2	5.1	64.1	8.6
1972 June.....	85.7	0.9	85.3	4.4	63.0	15.8	99.5	3.4	73.5	14.7
1973 June.....	84.3	-1.6	87.2	2.2	79.1	25.6	103.4	3.9	93.8	27.6
1974 March.....	86.0	2.0	90.7	4.0	81.1	2.5	105.5	2.0	94.3	0.5
1974 June.....	90.9	5.7	92.4	1.9	85.6	5.5	101.7	-3.6	94.2	-0.1
1974 September.....	98.0	7.8	95.0	2.8	83.5	-2.5	96.9	-4.7	85.2	-9.6
1974 December.....	100.6	2.7	95.0	0.0	90.7	8.6	94.4	-2.6	90.2	5.9
1975 March.....	100.5	-0.1	98.5	3.7	99.4	9.6	98.0	3.8	98.9	9.6
1975 June.....	100.0	-0.5	100.0	1.5	100.0	0.6	100.0	2.0	100.0	1.1
1975 September.....	100.0	0.0	100.5	0.5	89.8	-10.2	100.5	0.5	89.8	-10.2
1975 December.....	99.5	-0.5	100.8	0.3	90.0	0.2	101.3	0.8	90.5	0.8
1976 March.....	100.6	1.1	102.0	1.2	93.2	3.6	101.4	0.1	92.6	2.3
1976 June.....	101.0	0.4	103.7	1.7	94.1	1.0	102.7	1.3	93.2	0.6
1976 September.....	103.2	2.2	103.6	-0.1	97.4	3.5	100.4	-2.2	94.4	1.3
1976 December.....	103.2	0.0	103.7	0.1	101.8	4.5	100.5	0.1	98.6	4.4
1977 March.....	104.1	0.9	104.9	1.2	102.6	0.8	100.8	0.3	98.6	0.0
1977 June.....	106.2	2.0	105.5	0.6	104.8	2.1	99.3	-1.5	98.7	0.1
1977 September.....	106.0	-0.2	105.7	0.2	106.4	1.5	99.7	0.4	100.4	1.7
1977 December.....	107.3	1.2	105.7	0.0	115.0	8.1	98.5	-1.2	107.2	6.8
1978 March.....	109.9	2.4	106.0	0.3	122.0	6.1	96.5	-2.0	111.0	3.5
1978 June.....	110.0	0.1	106.3	0.3	119.3	-2.2	96.6	0.1	108.5	-2.3
1978 September.....	112.7	2.5	106.9	0.6	127.0	6.5	94.9	-1.8	112.7	3.9
1978 December.....	113.3	0.5	107.0	0.1	133.3	5.0	94.4	-0.5	117.7	4.4
1979 March.....	115.1	1.6	107.2	0.2	134.8	1.1	93.1	-1.4	117.1	-0.5

Please see notes at end of tables.

Table 26. U.S.-Germany comparisons: Electromechanical appliances, except heating appliances

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1974 March.....	85.6	—	92.3	—	82.5	—	107.8	—	96.4	—
1974 June.....	89.3	4.3	92.9	0.7	86.1	4.4	104.0	-3.5	96.4	0.0
1974 September.....	93.9	5.2	95.3	2.6	83.8	-2.7	101.5	-2.4	89.2	-7.5
1974 December.....	96.9	3.2	97.6	2.4	93.2	11.2	100.7	-0.8	96.2	7.8
1975 March.....	98.8	2.0	99.8	2.3	100.8	8.2	101.0	0.3	102.0	6.0
1975 June.....	100.0	1.2	100.0	0.2	100.0	-0.8	100.0	-1.0	100.0	-2.0
1975 September.....	99.8	-0.2	100.8	0.8	90.1	-9.9	101.0	1.0	90.3	-9.7
1975 December.....	100.4	0.6	101.4	0.6	90.5	0.4	101.0	0.0	90.1	-0.2
1976 March.....	102.3	1.9	103.5	2.1	94.6	4.5	101.2	0.2	92.5	2.7
1976 June.....	105.6	3.2	103.9	0.4	94.4	-0.2	98.4	-2.8	89.4	-3.4
1976 September.....	105.9	0.3	103.9	0.0	97.7	3.5	98.1	-0.3	92.3	3.2
1976 December.....	106.0	0.1	103.3	-0.6	101.5	3.9	97.5	-0.6	95.8	3.8
1977 March.....	109.2	3.0	105.0	1.6	102.7	1.2	96.2	-1.3	94.0	-1.9
1977 June.....	110.6	1.3	105.0	0.0	104.3	1.6	94.9	-1.4	94.3	0.3
1977 September.....	114.4	3.4	105.3	0.3	106.1	1.7	92.0	-3.1	92.7	-1.7
1977 December.....	115.2	0.7	104.9	-0.4	114.2	7.6	91.1	-1.0	99.1	6.9
1978 March.....	119.3	3.6	105.8	0.9	121.8	6.7	88.7	-2.6	102.1	3.0
1978 June.....	120.6	1.1	105.8	0.0	118.8	-2.5	87.7	-1.1	98.5	-3.5
1978 September.....	120.9	0.2	105.4	-0.4	125.3	5.5	87.2	-0.6	103.6	5.2
1978 December.....	121.9	0.8	105.5	0.1	131.4	4.9	86.5	-0.8	107.8	4.1
1979 March.....	126.1	3.4	107.4	1.8	135.1	2.8	85.2	-1.5	107.1	-0.6

Please see notes at end of tables.

Table 27. U.S.–Germany comparisons: Electric household refrigerators and freezers

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	78.9	—	77.2	—	49.7	—	97.8	—	63.0	—
1971 June.....	83.9	6.3	78.4	1.6	52.3	5.2	93.4	-4.5	62.3	-1.1
1972 June.....	83.4	-0.6	77.6	-1.0	57.3	9.6	93.0	-0.4	68.7	10.3
1973 June.....	82.5	-1.1	79.0	1.8	71.7	25.1	95.8	3.0	86.9	26.5
1974 March.....	85.3	3.4	85.0	7.6	76.0	6.0	99.6	4.0	89.1	2.5
1974 June.....	88.6	3.9	89.5	5.3	82.9	9.1	101.0	1.4	93.6	5.1
1974 September.....	96.5	8.9	94.1	5.1	82.7	-0.2	97.5	-3.5	85.7	-8.4
1974 December.....	97.5	1.0	95.8	1.8	91.5	10.6	98.3	0.8	93.8	9.5
1975 March.....	97.5	0.0	99.6	4.0	100.5	9.8	102.2	4.0	103.1	9.9
1975 June.....	100.0	2.6	100.0	0.4	100.0	-0.5	100.0	-2.2	100.0	-3.0
1975 September.....	100.3	0.3	97.9	-2.1	87.5	-12.5	97.6	-2.4	87.2	-12.8
1975 December.....	101.3	1.0	97.9	0.0	87.4	-0.1	96.6	-1.0	86.3	-1.0
1976 March.....	101.7	0.4	98.9	1.0	90.4	3.4	97.2	0.6	88.9	3.0
1976 June.....	101.7	0.0	99.3	0.4	90.2	-0.2	97.6	0.4	88.7	-0.2
1976 September.....	103.8	2.1	99.0	-0.3	93.1	3.2	95.4	-2.3	89.7	1.1
1976 December.....	104.5	0.7	98.3	-0.7	96.5	3.7	94.1	-1.4	92.3	2.9
1977 March.....	106.5	1.9	101.0	2.7	98.9	2.5	94.8	0.7	92.9	0.7
1977 June.....	107.5	0.9	101.8	0.8	101.1	2.2	94.7	-0.1	94.0	1.2
1977 September.....	111.4	3.6	101.0	-0.8	101.7	0.6	90.7	-4.2	91.3	-2.9
1977 December.....	111.9	0.4	98.8	-2.2	107.5	5.7	88.3	-2.6	96.1	5.3
1978 March.....	112.8	0.8	98.2	-0.6	113.0	5.1	87.1	-1.4	100.2	4.3
1978 June.....	113.1	0.3	97.4	-0.8	109.4	-3.2	86.1	-1.1	96.7	-3.5
1978 September.....	114.8	1.5	98.7	1.3	117.3	7.2	86.0	-0.1	102.2	5.7
1978 December.....	115.5	0.6	99.0	0.3	123.3	5.1	85.7	-0.3	106.8	4.5
1979 March.....	118.0	2.2	99.4	0.4	125.0	1.4	84.2	-1.8	105.9	-0.8

Please see notes at end of tables.

Table 28. U.S.–Germany comparisons: Telecommunications equipment

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	84.4	—	83.3	—	53.7	—	98.7	—	63.6	—
1971 June.....	85.6	1.4	87.3	4.8	58.2	8.4	102.0	3.3	68.0	6.9
1972 June.....	87.6	2.3	89.2	2.2	65.9	13.2	101.8	-0.2	75.2	10.6
1973 June.....	89.9	2.6	88.5	-0.8	80.3	21.9	98.4	-3.3	89.3	18.7
1974 March.....	92.4	2.8	94.6	6.9	84.6	5.4	102.4	4.1	91.6	2.6
1974 June.....	93.5	1.2	95.0	0.4	88.0	4.0	101.6	-0.8	94.1	2.7
1974 September.....	96.4	3.1	93.7	-1.4	82.4	-6.4	97.2	-4.3	85.5	-9.1
1974 December.....	98.5	2.2	96.6	3.1	92.2	11.9	98.1	0.9	93.6	9.5
1975 March.....	98.7	0.2	96.8	0.2	97.7	6.0	98.1	0.0	99.0	5.8
1975 June.....	100.0	1.3	100.0	3.3	100.0	2.4	100.0	1.9	100.0	1.0
1975 September.....	99.8	-0.2	101.6	1.6	90.8	-9.2	101.8	1.8	91.0	-9.0
1975 December.....	101.4	1.6	103.1	1.5	92.1	1.4	101.7	-0.1	90.8	-0.2
1976 March.....	103.2	1.8	103.4	0.3	94.6	2.7	100.2	-1.5	91.7	1.0
1976 June.....	103.3	0.1	103.5	0.1	94.0	-0.6	100.2	0.0	91.0	-0.8
1976 September.....	104.9	1.5	104.0	0.5	97.7	3.9	99.1	-1.1	93.1	2.3
1976 December.....	105.6	0.7	104.0	0.0	102.1	4.5	98.5	-0.6	96.7	3.9
1977 March.....	105.8	0.2	102.0	-1.9	99.8	-2.3	96.4	-2.1	94.3	-2.5
1977 June.....	106.2	0.4	102.4	0.4	101.7	1.9	96.4	0.0	95.8	1.6
1977 September.....	108.3	2.0	102.4	0.0	103.1	1.4	94.6	-1.9	95.2	-0.6
1977 December.....	109.8	1.4	102.4	0.0	111.4	8.1	93.3	-1.4	101.5	6.6
1978 March.....	110.6	0.7	105.0	2.5	120.9	8.5	94.9	1.7	109.3	7.7
1978 June.....	110.9	0.3	105.8	0.8	118.8	-1.7	95.4	0.5	107.1	-2.0
1978 September.....	114.5	3.2	105.8	0.0	125.7	5.8	92.4	-3.1	109.8	2.5
1978 December.....	116.1	1.4	105.3	-0.5	131.2	4.4	90.7	-1.8	113.0	2.9
1979 March.....	117.8	1.5	106.7	1.3	134.3	2.4	90.6	-0.1	114.0	0.9

Please see notes at end of tables.

Table 29. U.S.–Germany comparisons: Electron tubes and parts

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 March	96.3	—	98.9	—	99.8	—	102.7	—	103.6	—
1975 June	100.0	3.8	100.0	1.1	100.0	0.2	100.0	-2.6	100.0	-3.5
1975 September	100.6	0.6	100.2	0.2	89.6	-10.4	99.6	-0.4	89.1	-10.9
1975 December	100.6	0.0	96.5	-3.7	86.1	-3.9	95.9	-3.7	85.6	-3.9
1976 March	106.1	5.5	97.5	1.0	89.2	3.6	91.9	-4.2	84.1	-1.8
1976 June	106.0	-0.1	96.6	-0.9	87.7	-1.7	91.1	-0.9	82.7	-1.7
1976 September	110.1	3.9	97.2	0.6	91.4	4.2	88.3	-3.1	83.0	0.4
1976 December	110.0	-0.1	96.2	-1.0	94.5	3.4	87.5	-0.9	85.9	3.5
1977 March	114.2	3.8	94.1	-2.2	92.1	-2.5	82.4	-5.8	80.6	-6.2
1977 June	116.6	2.1	95.2	1.2	94.6	2.7	81.6	-1.0	81.1	0.6
1977 September	120.1	3.0	93.6	-1.7	94.3	-0.3	77.9	-4.5	78.5	-3.2
1977 December	119.7	-0.3	92.8	-0.9	100.9	7.0	77.5	-0.5	84.3	7.4
1978 March	122.1	2.0	90.7	-2.3	104.4	3.5	74.3	-4.1	85.5	1.4
1978 June	124.7	2.1	90.2	-0.6	101.3	-3.0	72.3	-2.7	81.2	-5.0
1978 September	125.6	0.7	90.0	-0.2	106.9	5.5	71.7	-0.8	85.1	4.8
1978 December	129.0	2.7	90.0	0.0	112.0	4.8	69.8	-2.6	86.8	2.0
1979 March	138.1	7.1	88.4	-1.8	111.2	-0.7	64.0	-8.3	80.5	-7.3

Please see notes at end of tables.

Table 30. U.S.–Germany comparisons: Electronic components (resistors, capacitors, etc.), except electron tubes

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June	85.9	—	92.1	—	59.4	—	107.2	—	69.2	—
1971 June	84.9	-1.2	90.1	-2.2	60.1	1.2	106.1	-1.0	70.8	2.3
1972 June	80.7	-4.9	88.2	-2.1	65.2	8.5	109.3	3.0	80.8	14.1
1973 June	85.4	5.8	88.7	0.6	80.5	23.5	103.9	-4.9	94.3	16.7
1974 March	92.6	8.4	100.2	13.0	89.6	11.3	108.2	4.1	96.8	2.7
1974 June	94.0	1.5	100.4	0.2	93.0	3.8	106.8	-1.3	98.9	2.2
1974 September	96.8	3.0	100.6	0.2	88.5	-4.8	103.9	-2.7	91.4	-7.6
1974 December	98.0	1.2	101.8	1.2	97.3	9.9	103.9	0.0	99.3	8.6
1975 March	98.0	0.0	101.6	-0.2	102.5	5.3	103.7	-0.2	104.6	5.3
1975 June	100.0	2.0	100.0	-1.6	100.0	-2.4	100.0	-3.6	100.0	-4.4
1975 September	98.8	-1.2	97.3	-2.7	86.9	-13.1	98.5	-1.5	88.0	-12.0
1975 December	98.5	-0.3	98.0	0.7	87.5	0.7	99.5	1.0	88.8	0.9
1976 March	99.4	0.9	98.7	0.7	90.3	3.2	99.3	-0.2	90.8	2.3
1976 June	98.7	-0.7	98.5	-0.2	89.5	-0.9	99.8	0.5	90.7	-0.1
1976 September	98.2	-0.5	98.7	0.2	92.8	3.7	100.5	0.7	94.5	4.2
1976 December	97.8	-0.4	100.8	2.1	99.0	6.7	103.1	2.6	101.2	7.1
1977 March	99.4	1.6	101.1	0.3	98.9	-0.1	101.7	-1.4	99.5	-1.7
1977 June	99.3	-0.1	100.7	-0.4	100.1	1.2	101.4	-0.3	100.8	1.3
1977 September	99.8	0.5	97.4	-3.3	98.1	-2.0	97.6	-3.7	98.3	-2.5
1977 December	99.8	0.0	97.4	0.0	106.0	8.1	97.6	0.0	106.2	8.0
1978 March	99.7	-0.1	96.5	-0.9	111.1	4.8	96.8	-0.8	111.4	4.9
1978 June	100.6	0.9	96.6	0.1	108.5	-2.3	96.0	-0.8	107.9	-3.1
1978 September	98.9	-1.7	96.4	-0.2	114.6	5.6	97.5	1.6	115.9	7.4
1978 December	100.1	1.2	96.6	0.2	120.3	5.0	96.5	-1.0	120.2	3.7
1979 March	103.3	3.2	95.7	-0.9	120.4	0.1	92.6	-4.0	116.6	-3.0

Please see notes at end of tables.

Table 31. U.S.–Germany comparisons: Electrical measuring instruments

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	80.1	—	77.7	—	50.0	—	97.0	—	62.4	—
1971 June.....	82.6	3.1	81.0	4.2	54.0	8.0	98.1	1.1	65.4	4.8
1972 June.....	84.3	2.1	83.3	2.8	61.5	13.9	98.8	0.7	73.0	11.6
1973 June.....	86.6	2.7	88.0	5.6	79.9	29.9	101.6	2.8	92.3	26.4
1974 March.....	88.4	2.1	92.8	5.5	83.0	3.9	105.0	3.3	93.9	1.7
1974 June.....	91.2	3.2	92.8	0.0	86.1	3.7	101.8	-3.0	94.4	0.5
1974 September.....	94.4	3.5	95.2	2.6	83.7	-2.8	100.8	-1.0	88.7	-6.0
1974 December.....	95.3	1.0	95.3	0.1	91.0	8.7	100.0	-0.8	95.5	7.7
1975 March.....	99.0	3.9	95.9	0.6	96.8	6.4	96.9	-3.1	97.8	2.4
1975 June.....	100.0	1.0	100.0	4.3	100.0	3.3	100.0	3.2	100.0	2.2
1975 September.....	100.4	0.4	100.0	0.0	89.4	-10.6	99.6	-0.4	89.0	-11.0
1975 December.....	101.5	1.1	100.0	0.0	89.3	-0.1	98.5	-1.1	88.0	-1.1
1976 March.....	102.7	1.2	101.3	1.3	92.6	3.7	98.6	0.1	90.2	2.5
1976 June.....	105.0	2.2	104.4	3.1	94.8	2.4	99.4	0.8	90.3	0.1
1976 September.....	105.9	0.9	104.7	0.3	98.4	3.8	98.9	-0.5	92.9	2.9
1976 December.....	106.6	0.7	104.7	0.0	102.8	4.5	98.2	-0.7	96.4	3.8
1977 March.....	108.7	2.0	107.6	2.8	105.3	2.4	99.0	0.8	96.9	0.5
1977 June.....	109.5	0.7	109.0	1.3	108.3	2.8	99.5	0.5	98.9	2.1
1977 September.....	111.2	1.6	109.0	0.0	109.8	1.4	98.0	-1.5	98.7	-0.2
1977 December.....	112.1	0.8	108.3	-0.6	117.9	7.4	96.6	-1.4	105.2	6.6
1978 March.....	115.0	2.6	109.5	1.1	126.0	6.9	95.2	-1.4	109.6	4.2
1978 June.....	116.6	1.4	112.6	2.8	126.5	0.4	96.6	1.5	108.5	-1.0
1978 September.....	118.9	2.0	112.3	-0.3	133.5	5.5	94.4	-2.3	112.3	3.5
1978 December.....	121.3	2.0	113.5	1.1	141.3	5.8	93.6	-0.8	116.5	3.7
1979 March.....	125.0	3.1	114.0	0.4	143.4	1.5	91.2	-2.6	114.7	-1.5

Please see notes at end of tables.

Table 32. U.S.–Germany comparisons: Electrical controlling devices

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	73.2	—	80.3	—	51.7	—	109.7	—	70.6	—
1971 June.....	76.9	5.1	80.4	0.1	53.6	3.7	104.6	-4.6	69.7	-1.3
1972 June.....	81.4	5.9	83.1	3.4	61.4	14.6	102.1	-2.4	75.4	8.2
1973 June.....	86.4	6.1	85.2	2.5	77.3	25.9	98.6	-3.4	89.5	18.7
1974 March.....	89.2	3.2	90.2	5.9	80.7	4.4	101.1	2.5	90.5	1.1
1974 June.....	92.8	4.0	90.2	0.0	83.6	3.6	97.2	-3.9	90.1	-0.4
1974 September.....	95.3	2.7	93.9	4.1	82.6	-1.2	98.5	1.3	86.7	-3.8
1974 December.....	96.1	0.8	94.1	0.2	89.9	8.8	97.9	-0.6	93.5	7.8
1975 March.....	98.7	2.7	98.2	4.4	99.1	10.2	99.5	1.6	100.4	7.4
1975 June.....	100.0	1.3	100.0	1.8	100.0	0.9	100.0	0.5	100.0	-0.4
1975 September.....	100.8	0.8	100.0	0.0	89.4	-10.6	99.2	-0.8	88.7	-11.3
1975 December.....	102.7	1.9	100.0	0.0	89.3	-0.1	97.4	-1.8	87.0	-1.9
1976 March.....	104.0	1.3	102.2	2.2	93.5	4.7	98.3	0.9	89.9	3.3
1976 June.....	106.4	2.3	104.1	1.9	94.5	1.1	97.8	-0.5	88.8	-1.2
1976 September.....	110.4	3.8	103.5	-0.6	97.3	3.0	93.8	-4.1	88.1	-0.8
1976 December.....	112.8	2.2	103.5	0.0	101.6	4.4	91.8	-2.1	90.1	2.3
1977 March.....	114.2	1.2	108.7	5.0	106.4	4.7	95.2	3.7	93.2	3.4
1977 June.....	115.9	1.5	109.4	0.6	108.7	2.2	94.4	-0.8	93.8	0.6
1977 September.....	117.9	1.7	109.4	0.0	110.2	1.4	92.8	-1.7	93.5	-0.3
1977 December.....	120.5	2.2	109.4	0.0	119.1	8.1	90.8	-2.2	98.8	5.7
1978 March.....	122.5	1.7	112.0	2.4	129.0	8.3	91.4	0.7	105.3	6.6
1978 June.....	125.0	2.0	112.8	0.7	126.7	-1.8	90.2	-1.3	101.4	-3.7
1978 September.....	126.5	1.2	112.8	0.0	134.1	5.8	89.2	-1.1	106.0	4.5
1978 December.....	127.2	0.6	112.9	0.1	140.6	4.8	88.8	-0.4	110.5	4.2
1979 March.....	129.8	2.0	115.8	2.6	145.7	3.6	89.2	0.5	112.2	1.5

Please see notes at end of tables.

Table 33. U.S.–Germany comparisons: Electromedical apparatus

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 June.....	100.0	—	100.0	—	100.0	—	100.0	—	100.0	—
1975 September.....	100.0	0.0	100.9	0.9	90.2	-9.8	100.9	0.9	90.2	-9.8
1975 December.....	100.0	0.0	101.3	0.4	90.5	0.3	101.3	0.4	90.5	0.3
1976 March.....	104.6	4.6	104.0	2.7	95.1	5.1	99.4	-1.9	90.9	0.4
1976 June.....	118.1	12.9	104.0	0.0	94.5	-0.6	88.1	-11.4	80.0	-12.0
1976 September.....	118.1	0.0	107.8	3.7	101.3	7.2	91.3	3.6	85.8	7.2
1976 December.....	118.1	0.0	107.4	-0.4	105.5	4.1	90.9	-0.4	89.3	4.1
1977 March.....	125.5	6.3	110.2	2.6	107.9	2.3	87.8	-3.4	86.0	-3.7
1977 June.....	121.7	-3.0	113.2	2.7	112.5	4.3	93.0	5.9	92.4	7.4
1977 September.....	124.0	1.9	113.2	0.0	114.0	1.3	91.3	-1.8	91.9	-0.5
1977 December.....	124.0	0.0	112.5	-0.6	122.5	7.5	90.7	-0.7	98.8	7.5
1978 March.....	124.9	0.7	112.8	0.3	129.9	6.0	90.3	-0.4	104.0	5.3
1978 June.....	124.6	-0.2	110.5	-2.0	124.1	-4.5	88.7	-1.8	99.6	-4.2
1978 September.....	124.5	-0.1	109.8	-0.6	130.5	5.2	88.2	-0.6	104.8	5.2
1978 December.....	126.1	1.3	110.2	0.4	137.2	5.1	87.4	-0.9	108.8	3.8
1979 March.....	127.3	1.0	114.4	3.8	144.0	5.0	89.9	2.9	113.1	4.0

Please see notes at end of tables.

Table 34. U.S.–Germany comparisons: Electrical equipment and accessories for motor vehicles

Month	U.S. export price index in dollars		Germany export price index in deutsche marks		Germany export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	63.4	—	75.8	—	48.8	—	119.6	—	77.0	—
1971 June.....	72.1	13.7	79.5	4.9	53.0	8.6	110.3	-7.8	73.5	-4.5
1972 June.....	73.6	2.1	80.9	1.8	59.7	12.6	109.9	-0.4	81.1	10.3
1973 June.....	83.6	13.6	81.9	1.2	74.3	24.5	98.0	-10.8	88.9	9.6
1974 March.....	87.1	4.2	85.7	4.6	76.7	3.2	98.4	0.4	88.1	-0.9
1974 June.....	96.7	11.0	89.5	4.4	83.0	8.2	92.6	-5.9	85.8	-2.6
1974 September.....	97.6	0.9	89.5	0.0	78.7	-5.2	91.7	-1.0	80.6	-6.1
1974 December.....	98.3	0.7	89.5	0.0	85.5	8.6	91.0	-0.8	87.0	7.9
1975 March.....	99.9	1.6	99.6	11.3	100.5	17.5	99.7	9.6	100.6	15.6
1975 June.....	100.0	0.1	100.0	0.4	100.0	-0.5	100.0	0.3	100.0	-0.6
1975 September.....	105.2	5.2	99.6	-0.4	89.0	-11.0	94.7	-5.3	84.6	-15.4
1975 December.....	105.1	-0.1	99.5	-0.1	88.9	-0.1	94.7	0.0	84.6	0.0
1976 March.....	106.1	1.0	100.0	0.5	91.4	2.8	94.3	-0.4	86.1	1.8
1976 June.....	109.9	3.6	102.9	2.9	93.4	2.2	93.6	-0.7	85.0	-1.3
1976 September.....	109.5	-0.4	102.9	0.0	96.7	3.5	94.0	0.4	88.3	3.9
1976 December.....	109.3	-0.2	102.8	-0.1	101.0	4.4	94.1	0.1	92.4	4.6
1977 March.....	118.0	8.0	104.2	1.4	101.9	0.9	88.3	-6.2	86.4	-6.5
1977 June.....	121.8	3.2	104.8	0.6	104.1	2.2	86.0	-2.6	85.5	-1.0
1977 September.....	125.6	3.1	105.0	0.2	105.8	1.6	83.6	-2.8	84.2	-1.5
1977 December.....	126.5	0.7	105.0	0.0	114.3	8.0	83.0	-0.7	90.4	7.4
1978 March.....	133.8	5.8	107.1	2.0	123.2	7.8	80.0	-3.6	92.1	1.9
1978 June.....	134.4	0.4	106.8	-0.3	120.0	-2.6	79.5	-0.6	89.3	-3.0
1978 September.....	135.6	0.9	106.8	0.0	127.0	5.8	78.8	-0.9	93.7	4.9
1978 December.....	137.7	1.5	106.8	0.0	133.1	4.8	77.6	-1.5	96.7	3.2
1979 March.....	145.4	5.6	109.5	2.5	137.7	3.5	75.3	-3.0	94.7	-2.1

Please see notes at end of tables.

Table 35. U.S.-Japan comparisons: Electric motors, not over 20 hp

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	71.0	—	71.6	—	58.6	—	100.8	—	82.5	—
1971 June.....	70.8	-0.3	70.4	-1.7	57.8	-1.4	99.4	-1.4	81.6	-1.1
1972 June.....	74.1	4.7	67.7	-3.8	65.7	13.7	91.4	-8.0	88.7	8.7
1973 June.....	79.0	6.6	72.1	6.5	79.9	21.6	91.3	-0.1	101.1	14.0
1974 March.....	83.9	6.2	107.3	48.8	111.6	39.7	127.9	40.1	133.0	31.6
1974 June.....	87.3	4.1	107.4	0.1	111.3	-0.3	123.0	-3.8	127.5	-4.1
1974 September.....	92.3	5.7	111.3	3.6	109.2	-1.9	120.6	-2.0	118.3	-7.2
1974 December.....	93.4	1.2	111.3	0.0	108.7	-0.5	119.2	-1.2	116.4	-1.6
1975 March.....	94.5	1.2	106.0	-4.8	108.1	-0.6	112.2	-5.9	114.4	-1.7
1975 June.....	100.0	5.8	100.0	-5.7	100.0	-7.5	100.0	-10.9	100.0	-12.6
1975 September.....	101.3	1.3	99.3	-0.7	97.2	-2.8	98.0	-2.0	96.0	-4.0
1975 December.....	104.3	3.0	101.4	2.1	97.4	0.2	97.2	-0.8	93.4	-2.7
1976 March.....	105.2	0.9	103.2	1.8	100.7	3.4	98.1	0.9	95.7	2.5
1976 June.....	106.3	1.0	102.8	-0.4	100.8	0.1	96.7	-1.4	94.8	-0.9
1976 September.....	109.0	2.5	102.1	-0.7	104.3	3.5	93.7	-3.1	95.7	0.9
1976 December.....	110.3	1.2	102.8	0.7	102.3	-1.9	93.2	-0.5	92.7	-3.1
1977 March.....	112.9	2.4	98.8	-3.9	103.4	1.1	87.5	-6.1	91.6	-1.2
1977 June.....	110.9	-1.8	93.3	-5.6	100.4	-2.9	84.1	-3.9	90.5	-1.2
1977 September.....	112.0	1.0	91.4	-2.0	100.5	0.1	81.6	-3.0	89.7	-0.9
1977 December.....	111.4	-0.5	86.4	-5.5	105.2	4.7	77.6	-4.9	94.4	5.2
1978 March.....	114.1	2.4	85.9	-0.6	108.7	3.3	75.3	-3.0	95.3	1.0
1978 June.....	118.8	4.1	80.8	-5.9	110.8	1.9	68.0	-9.7	93.3	-2.1
1978 September.....	118.4	-0.3	69.3	-14.2	107.1	-3.3	58.5	-14.0	90.5	-3.0
1978 December.....	124.9	5.5	75.0	8.2	112.4	4.9	60.0	2.6	90.0	-0.6
1979 March.....	129.8	3.9	75.9	1.2	108.0	-3.9	58.5	-2.5	83.2	-7.6

Please see notes at end of tables.

Table 36. U.S.-Japan comparisons: Electric switches

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1976 March.....	93.9	—	100.0	—	99.6	—	106.5	—	106.1	—
1976 June.....	100.0	6.5	100.0	0.0	100.0	0.4	100.0	-6.1	100.0	-5.7
1976 September.....	102.8	2.8	100.0	0.0	104.1	4.1	97.3	-2.7	101.3	1.3
1976 December.....	105.2	2.3	100.0	0.0	101.5	-2.5	95.1	-2.3	96.5	-4.7
1977 March.....	108.1	2.8	100.0	0.0	106.8	5.2	92.5	-2.7	98.8	2.4
1977 June.....	109.9	1.7	100.0	0.0	109.7	2.7	91.0	-1.6	99.8	1.0
1977 September.....	112.9	2.7	100.0	0.0	112.2	2.3	88.6	-2.6	99.4	-0.4
1977 December.....	115.0	1.9	100.0	0.0	124.1	10.6	87.0	-1.8	107.9	8.6
1978 March.....	115.0	0.0	100.0	0.0	129.1	4.0	87.0	0.0	112.3	4.1
1978 June.....	118.9	3.4	100.0	0.0	139.9	8.4	84.1	-3.3	117.7	4.8
1978 September.....	118.9	0.0	100.0	0.0	157.5	12.6	84.1	0.0	132.5	12.6
1978 December.....	118.5	-0.3	97.5	-2.5	148.9	-5.5	82.3	-2.1	125.7	-5.1
1979 March.....	120.0	1.3	97.5	0.0	141.4	-5.0	81.3	-1.2	117.8	-6.3

Please see notes at end of tables.

Table 37. U.S.-Japan comparisons: Rectifiers and rectifying apparatus

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	91.9	—	125.1	—	102.3	—	136.1	—	111.3	—
1971 June.....	89.1	-3.0	119.8	-4.2	98.4	-3.8	134.5	-1.2	110.4	-0.8
1972 June.....	91.6	2.8	100.8	-15.9	97.8	-0.6	110.0	-18.2	106.8	-3.3
1973 June.....	86.3	-5.8	99.9	-0.9	110.8	13.3	115.8	5.3	128.4	20.2
1974 March.....	91.2	5.7	99.9	0.0	103.9	-6.2	109.5	-5.4	113.9	-11.3
1974 June.....	94.4	3.5	99.9	0.0	103.6	-0.3	105.8	-3.4	109.7	-3.7
1974 September.....	94.6	0.2	99.9	0.0	98.0	-5.4	105.6	-0.2	103.6	-5.6
1974 December.....	95.1	0.5	99.9	0.0	97.6	-0.4	105.0	-0.6	102.6	-1.0
1975 March.....	96.8	1.8	100.0	0.1	101.9	4.4	103.3	-1.6	105.3	2.6
1975 June.....	100.0	3.3	100.0	0.0	100.0	-1.9	100.0	-3.2	100.0	-5.0
1975 September.....	101.0	1.0	92.7	-7.3	90.7	-9.3	91.8	-8.2	89.8	-10.2
1975 December.....	100.7	-0.3	92.7	0.0	89.0	-1.9	92.1	0.3	88.4	-1.6
1976 March.....	99.8	-0.9	92.7	0.0	90.5	1.7	92.9	0.9	90.7	2.6
1976 June.....	104.0	4.2	94.1	1.5	92.3	2.0	90.5	-2.6	88.8	-2.1
1976 September.....	102.5	-1.4	94.1	0.0	96.1	4.1	91.8	1.4	93.8	5.6
1976 December.....	102.5	0.0	93.6	-0.5	93.2	-3.0	91.3	-0.5	90.9	-3.1
1977 March.....	108.7	6.0	90.2	-3.6	94.5	1.4	83.0	-9.1	86.9	-4.4
1977 June.....	109.9	1.1	90.2	0.0	97.1	2.8	82.1	-1.1	88.4	1.7
1977 September.....	111.5	1.5	90.2	0.0	99.3	2.3	80.9	-1.5	89.1	0.8
1977 December.....	110.4	-1.0	87.4	-3.1	106.4	7.2	79.2	-2.1	96.4	8.2
1978 March.....	112.6	2.0	87.4	0.0	110.7	4.0	77.6	-2.0	98.3	2.0
1978 June.....	115.3	2.4	87.4	0.0	119.9	8.3	75.8	-2.3	104.0	5.8
1978 September.....	115.7	0.3	75.2	-14.0	116.2	-3.1	65.0	-14.2	100.4	-3.5
1978 December.....	118.0	2.0	75.8	0.8	113.5	-2.3	64.2	-1.2	96.2	-4.2
1979 March.....	119.2	1.0	75.2	-0.8	107.0	-5.7	63.1	-1.7	89.8	-6.7

Please see notes at end of tables.

Table 38. U.S.-Japan comparisons: Room air-conditioners, window and wall types

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 June.....	100.0	—	100.0	—	100.0	—	100.0	—	100.0	—
1975 September.....	99.2	-0.8	100.0	0.0	97.9	-2.1	100.8	0.8	98.7	-1.3
1975 December.....	98.6	-0.6	100.0	0.0	96.0	-1.9	101.4	0.6	97.4	-1.3
1976 March.....	98.6	0.0	100.0	0.0	97.7	1.8	101.4	0.0	99.1	1.7
1976 June.....	99.1	0.5	100.0	0.0	98.1	0.4	100.9	-0.5	99.0	-0.1
1976 September.....	103.9	4.8	93.4	-6.6	95.4	-2.8	89.9	-10.9	91.8	-7.3
1976 December.....	103.9	0.0	93.1	-0.3	92.7	-2.8	89.6	-0.3	89.2	-2.8
1977 March.....	104.5	0.6	93.1	0.0	97.5	5.2	89.1	-0.6	93.3	4.6
1977 June.....	108.1	3.4	93.1	0.0	100.1	2.7	86.1	-3.4	92.6	-0.8
1977 September.....	108.1	0.0	94.1	1.1	103.5	3.4	87.0	1.0	95.7	3.3
1977 December.....	111.4	3.1	95.8	1.8	116.6	12.7	86.0	-1.1	104.7	9.4
1978 March.....	111.8	0.4	101.3	5.7	128.3	10.0	90.6	5.3	114.8	9.6
1978 June.....	111.8	0.0	94.6	-6.6	129.8	1.2	84.6	-6.6	116.1	1.1
1978 September.....	116.5	4.2	96.8	2.3	149.6	15.3	83.1	-1.8	128.4	10.6
1978 December.....	116.8	0.3	87.7	-9.4	131.4	-12.2	75.1	-9.6	112.5	-12.4
1979 March.....	120.5	3.2	88.4	0.8	125.7	-4.3	73.4	-2.3	104.3	-7.3

Please see notes at end of tables.

Table 39. U.S.-Japan comparisons: Transistors

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	165.7	—	92.8	—	75.9	—	56.0	—	45.8	—
1971 June.....	140.0	-15.5	92.8	0.0	76.2	0.4	66.3	18.4	54.4	18.8
1972 June.....	133.7	-4.5	91.6	-1.3	88.9	16.7	68.5	3.3	66.5	22.2
1973 June.....	141.3	5.7	90.6	-1.1	100.5	13.0	64.1	-6.4	71.1	6.9
1974 March.....	121.0	-14.4	96.7	6.7	100.6	0.1	79.9	24.6	83.1	16.9
1974 June.....	119.2	-1.5	96.9	0.2	100.5	-0.1	81.3	1.8	84.3	1.4
1974 September.....	121.9	2.3	102.6	5.9	100.7	0.2	84.2	3.6	82.6	-2.0
1974 December.....	119.0	-2.4	102.8	0.2	100.5	-0.2	86.4	2.6	84.5	2.3
1975 March.....	105.9	-11.0	98.7	-4.0	100.6	0.1	93.2	7.9	95.0	12.4
1975 June.....	100.0	-5.6	100.0	1.3	100.0	-0.6	100.0	7.3	100.0	5.3
1975 September.....	100.0	0.0	112.3	12.3	109.9	9.9	112.3	12.3	109.9	9.9
1975 December.....	101.4	1.4	113.7	1.2	109.2	-0.6	112.1	-0.2	107.7	-2.0
1976 March.....	101.1	-0.3	111.1	-2.3	108.5	-0.6	109.9	-2.0	107.3	-0.4
1976 June.....	91.1	-9.9	110.9	-0.2	108.7	0.2	121.7	10.7	119.3	11.2
1976 September.....	86.7	-4.8	108.6	-2.1	111.0	2.1	125.3	3.0	128.0	7.3
1976 December.....	84.7	-2.3	108.6	0.0	108.2	-2.5	128.2	2.3	127.7	-0.2
1977 March.....	88.4	4.4	103.9	-4.3	108.8	0.6	117.5	-8.3	123.1	-3.6
1977 June.....	87.8	-0.7	99.1	-4.6	106.5	-2.1	112.9	-3.9	121.3	-1.5
1977 September.....	90.9	3.5	86.4	-12.8	95.0	-10.8	95.0	-15.9	104.5	-13.8
1977 December.....	87.2	-4.1	78.3	-9.4	95.3	0.3	89.8	-5.5	109.3	4.6
1978 March.....	87.2	0.0	74.7	-4.6	94.6	-0.7	85.7	-4.6	108.5	-0.7
1978 June.....	87.2	0.0	76.2	2.0	104.5	10.5	87.4	2.0	119.8	10.4
1978 September.....	89.3	2.4	73.8	-3.1	114.1	9.2	82.6	-5.5	127.8	6.7
1978 December.....	92.6	3.7	72.5	-1.8	108.5	-4.9	78.3	-5.2	117.2	-8.3
1979 March.....	92.6	0.0	75.5	4.1	107.4	-1.0	81.5	4.1	116.0	-1.0

Please see notes at end of tables.

Table 40. U.S.-Japan comparisons: Integrated circuits

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 March.....	95.6	—	101.2	—	103.2	—	105.9	—	107.9	—
1975 June.....	100.0	4.6	100.0	-1.2	100.0	-3.1	100.0	-5.6	100.0	-7.3
1975 September.....	95.3	-4.7	100.0	0.0	97.9	-2.1	104.9	4.9	102.7	2.7
1975 December.....	92.4	-3.0	101.8	1.8	97.7	-0.2	110.2	5.1	105.7	2.9
1976 March.....	95.9	3.8	98.3	-3.4	96.0	-1.7	102.5	-7.0	100.1	-5.3
1976 June.....	101.1	5.4	87.2	-11.3	85.5	-10.9	86.3	-15.8	84.6	-15.5
1976 September.....	98.6	-2.5	83.3	-4.5	85.0	-0.6	84.5	-2.1	86.2	1.9
1976 December.....	92.4	-6.3	71.7	-13.9	71.4	-16.0	77.6	-8.2	77.3	-10.3
1977 March.....	92.0	-0.4	71.4	-0.4	74.8	4.8	77.6	0.0	81.3	5.2
1977 June.....	89.6	-2.6	66.5	-6.9	71.5	-4.4	74.2	-4.4	79.8	-1.8
1977 September.....	87.2	-2.7	61.0	-8.3	67.1	-6.2	70.0	-5.7	76.9	-3.6
1977 December.....	84.7	-2.9	61.5	0.8	74.9	11.6	72.6	3.7	88.4	15.0
1978 March.....	83.6	-1.3	58.3	-5.2	73.8	-1.5	69.7	-4.0	88.3	-0.1
1978 June.....	84.9	1.6	45.4	-22.1	62.3	-15.6	53.5	-23.2	73.4	-16.9
1978 September.....	82.8	-2.5	35.9	-20.9	55.4	-11.1	43.4	-18.9	66.9	-8.9
1978 December.....	82.5	-0.4	33.1	-7.8	49.6	-10.5	40.1	-7.6	60.1	-10.2
1979 March.....	85.8	4.0	37.0	11.8	52.6	6.0	43.1	7.5	61.3	2.0

Please see notes at end of tables.

Table 41. U.S.-Japan comparisons: Resistors, as electronic components

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1971 June.....	90.9	—	106.1	—	87.1	—	116.7	—	95.8	—
1972 June.....	85.4	-6.1	106.1	0.0	102.9	18.1	124.2	6.4	120.5	25.8
1973 June.....	83.7	-2.0	104.8	-1.2	116.3	13.0	125.2	0.8	138.9	15.3
1974 March.....	87.6	4.7	114.7	9.4	119.3	2.6	130.9	4.6	136.2	-1.9
1974 June.....	88.5	1.0	114.7	0.0	118.9	-0.3	129.6	-1.0	134.4	-1.3
1974 September.....	96.6	9.2	114.7	0.0	112.5	-5.4	118.7	-8.4	116.5	-13.3
1974 December.....	98.5	2.0	106.7	-7.0	104.2	-7.4	108.3	-8.8	105.8	-9.2
1975 March.....	98.5	0.0	108.5	1.7	110.6	6.1	110.2	1.8	112.3	6.1
1975 June.....	100.0	1.5	100.0	-7.8	100.0	-9.6	100.0	-9.3	100.0	-11.0
1975 September.....	96.7	-3.3	100.0	0.0	97.9	-2.1	103.4	3.4	101.2	1.2
1975 December.....	94.2	-2.6	100.0	0.0	96.0	-1.9	106.2	2.7	101.9	0.7
1976 March.....	93.4	-0.8	101.6	1.6	99.3	3.4	108.8	2.4	106.3	4.3
1976 June.....	93.7	0.3	101.6	0.0	99.7	0.4	108.4	-0.4	106.4	0.1
1976 September.....	93.3	-0.4	101.6	0.0	103.8	4.1	108.9	0.5	111.3	4.6
1976 December.....	93.4	0.1	104.9	3.2	104.5	0.7	112.3	3.1	111.9	0.5
1977 March.....	95.8	2.6	104.9	0.0	109.9	5.2	109.5	-2.5	114.7	2.5
1977 June.....	96.3	0.5	101.6	-3.1	109.3	-0.5	105.5	-3.7	113.5	-1.0
1977 September.....	100.2	4.0	93.6	-7.9	103.0	-5.8	93.4	-11.5	102.8	-9.4
1977 December.....	99.0	-1.2	92.9	-0.7	113.1	9.8	93.8	0.4	114.2	11.1
1978 March.....	99.0	0.0	88.2	-5.1	111.7	-1.2	89.1	-5.0	112.8	-1.2
1978 June.....	99.8	0.8	85.0	-3.6	116.6	4.4	85.2	-4.4	116.8	3.5
1978 September.....	91.2	-8.6	80.4	-5.4	124.2	6.5	88.2	3.5	136.2	16.6
1978 December.....	90.5	-0.8	80.7	0.4	120.8	-2.7	89.2	1.1	133.5	-2.0
1979 March.....	89.7	-0.9	92.0	14.0	130.8	8.3	102.6	15.0	145.8	9.2

Please see notes at end of tables.

Table 42. U.S.-Japan comparisons: Capacitors, as electronic components

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1974 March.....	93.1	—	93.3	—	97.1	—	100.2	—	104.3	—
1974 June.....	97.0	4.2	93.5	0.2	97.0	-0.1	96.4	-3.8	100.0	-4.1
1974 September.....	99.4	2.5	106.2	13.6	104.2	7.4	106.8	10.8	104.8	4.8
1974 December.....	99.4	0.0	106.4	0.2	103.9	-0.3	107.0	0.2	104.5	-0.3
1975 March.....	97.2	-2.2	99.6	-6.4	101.5	-2.3	102.5	-4.2	104.4	-0.1
1975 June.....	100.0	2.9	100.0	0.4	100.0	-1.5	100.0	-2.4	100.0	-4.2
1975 September.....	99.1	-0.9	102.0	2.0	99.8	-0.2	102.9	2.9	100.7	0.7
1975 December.....	101.2	2.1	100.6	-1.4	96.6	-3.2	99.4	-3.4	95.5	-5.2
1976 March.....	101.2	0.0	98.9	-1.7	96.6	0.0	97.7	-1.7	95.5	0.0
1976 June.....	102.0	0.8	98.6	-0.3	96.7	0.1	96.7	-1.0	94.8	-0.7
1976 September.....	103.9	1.9	94.6	-4.1	96.6	-0.1	91.0	-5.9	93.0	-1.9
1976 December.....	107.9	3.8	98.6	4.2	98.2	1.7	91.4	0.4	91.0	-2.2
1977 March.....	112.6	4.4	93.7	-5.0	98.1	-0.1	83.2	-9.0	87.1	-4.3
1977 June.....	113.1	0.4	91.2	-2.7	98.1	0.0	80.6	-3.1	86.7	-0.5
1977 September.....	113.1	0.0	91.0	-0.2	100.1	2.0	80.5	-0.1	88.5	2.1
1977 December.....	114.2	1.0	82.2	-9.7	100.0	-0.1	72.0	-10.6	87.6	-1.0
1978 March.....	114.7	0.4	78.9	-4.0	99.9	-0.1	68.8	-4.4	87.1	-0.6
1978 June.....	110.7	-3.5	73.2	-7.2	100.3	0.4	66.1	-3.9	90.6	4.0
1978 September.....	111.1	0.4	64.7	-11.6	100.0	-0.3	58.2	-12.0	90.0	-0.7
1978 December.....	111.2	0.1	66.9	3.4	100.2	0.2	60.2	3.4	90.1	0.1
1979 March.....	122.2	9.9	70.2	4.9	99.9	-0.3	57.4	-4.7	81.8	-9.2

Please see notes at end of tables.

Table 43. U.S.-Japan comparisons: Loudspeakers

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 March	99.0	—	99.3	—	101.2	—	100.3	—	102.2	—
1975 June	100.0	1.0	100.0	0.7	100.0	-1.2	100.0	-0.3	100.0	-2.2
1975 September	100.3	0.3	101.2	1.2	99.0	-1.0	100.9	0.9	98.7	-1.3
1975 December	100.7	0.4	102.7	1.5	98.6	-0.4	102.0	1.1	97.9	-0.8
1976 March	100.7	0.0	103.5	0.8	101.1	2.5	102.8	0.8	100.4	2.6
1976 June	102.9	2.2	103.1	-0.4	101.2	0.1	100.2	-2.5	98.3	-2.1
1976 September	102.9	0.0	102.7	-0.4	104.9	3.7	99.8	-0.4	101.9	3.7
1976 December	104.7	1.7	104.4	1.7	104.0	-0.9	99.7	-0.1	99.3	-2.6
1977 March	104.6	-0.1	98.2	-5.9	102.8	-1.2	93.9	-5.8	98.3	-1.0
1977 June	104.6	0.0	96.1	-2.1	103.3	0.5	91.9	-2.1	98.8	0.5
1977 September	106.3	1.6	97.9	1.9	107.7	4.3	92.1	0.2	101.3	2.5
1977 December	108.4	2.0	92.7	-5.3	112.9	4.8	85.5	-7.2	104.2	2.9
1978 March	108.4	0.0	91.7	-1.1	116.1	2.8	84.6	-1.1	107.1	2.8
1978 June	108.6	0.2	87.2	-4.9	119.6	3.0	80.3	-5.1	110.1	2.8
1978 September	109.4	0.7	84.5	-3.1	130.5	9.1	77.2	-3.9	119.3	8.4
1978 December	113.8	4.0	88.4	4.6	132.4	1.5	77.7	0.6	116.3	-2.5
1979 March	113.9	0.1	92.5	4.6	131.6	-0.6	81.2	4.5	115.5	-0.7

Please see notes at end of tables.

Table 44. U.S.-Japan comparisons: Transceivers

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 September	96.6	—	100.1	—	99.9	—	103.6	—	103.4	—
1975 December	100.0	3.5	101.1	1.0	99.0	-0.9	101.1	-2.4	99.0	-4.3
1976 March	100.0	0.0	100.2	-0.9	99.8	0.8	100.2	-0.9	99.8	0.8
1976 June	100.0	0.0	100.0	-0.2	100.0	0.2	100.0	-0.2	100.0	0.2
1976 September	102.3	2.3	98.3	-1.7	102.3	2.3	96.1	-3.9	100.0	0.0
1976 December	102.3	0.0	99.6	1.3	101.1	-1.2	97.4	1.4	98.8	-1.2
1977 March	104.0	1.7	95.0	-4.6	101.4	0.3	91.3	-6.3	97.5	-1.3
1977 June	104.0	0.0	95.0	0.0	104.2	2.8	91.3	0.0	100.2	2.8
1977 September	106.6	2.5	91.3	-3.9	102.4	-1.7	85.6	-6.2	96.1	-4.1
1977 December	106.3	-0.3	91.3	0.0	113.3	10.6	85.9	0.4	106.6	10.9
1978 March	109.9	3.4	91.3	0.0	117.8	4.0	83.1	-3.3	107.2	0.6
1978 June	109.9	0.0	79.2	-13.3	110.7	-6.0	72.1	-13.2	100.7	-6.1
1978 September	113.9	3.6	69.5	-12.2	109.6	-1.0	61.0	-15.4	96.2	-4.5
1978 December	113.1	-0.7	71.4	2.7	109.1	-0.5	63.1	3.4	96.5	0.3
1979 March	117.2	3.6	72.6	1.7	105.3	-3.5	61.9	-1.9	89.8	-6.9

Please see notes at end of tables.

Table 45. U.S.-Japan comparisons: Instruments for measuring electrical quantities or characteristics

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	78.0	—	70.2	—	57.4	—	90.0	—	73.6	—
1971 June.....	83.1	6.5	80.7	15.0	66.3	15.5	97.1	7.9	79.8	8.4
1972 June.....	84.9	2.2	80.7	0.0	78.4	18.3	95.1	-2.1	92.3	15.7
1973 June.....	85.9	1.2	76.9	-4.7	85.4	8.9	89.5	-5.9	99.4	7.7
1974 March.....	88.4	2.9	78.4	2.0	81.6	-4.4	88.7	-0.9	92.3	-7.1
1974 June.....	91.7	3.7	78.4	0.0	81.3	-0.4	85.5	-3.6	88.7	-3.9
1974 September.....	94.6	3.2	78.4	0.0	77.0	-5.3	82.9	-3.0	81.4	-8.2
1974 December.....	96.7	2.2	102.6	30.9	100.2	30.1	106.1	28.0	103.6	27.3
1975 March.....	100.3	3.7	100.0	-2.5	101.9	1.7	99.7	-6.0	101.6	-1.9
1975 June.....	100.0	-0.3	100.0	0.0	100.0	-1.9	100.0	0.3	100.0	-1.6
1975 September.....	99.6	-0.4	100.0	0.0	97.9	-2.1	100.4	0.4	98.3	-1.7
1975 December.....	100.0	0.4	100.0	0.0	96.0	-1.9	100.0	-0.4	96.0	-2.3
1976 March.....	100.5	0.5	100.0	0.0	97.7	1.8	99.5	-0.5	97.2	1.2
1976 June.....	103.0	2.5	100.0	0.0	98.1	0.4	97.1	-2.4	95.2	-2.1
1976 September.....	103.5	0.5	100.0	0.0	102.1	4.1	96.6	-0.5	98.6	3.6
1976 December.....	102.9	-0.6	102.6	2.6	102.2	0.1	99.7	3.2	99.3	0.7
1977 March.....	104.7	1.7	102.6	0.0	107.5	5.2	98.0	-1.7	102.7	3.4
1977 June.....	106.1	1.3	102.6	0.0	110.4	2.7	96.7	-1.3	104.1	1.4
1977 September.....	108.8	2.5	102.6	0.0	112.9	2.3	94.3	-2.5	103.8	-0.3
1977 December.....	109.0	0.2	105.1	2.4	128.0	13.4	96.4	2.2	117.4	13.1
1978 March.....	112.4	3.1	100.2	-4.7	126.9	-0.9	89.1	-7.6	112.9	-3.8
1978 June.....	112.9	0.4	95.2	-5.0	130.6	2.9	84.3	-5.4	115.7	2.5
1978 September.....	114.7	1.6	97.2	2.1	150.2	15.0	84.7	0.5	131.0	13.2
1978 December.....	115.5	0.7	98.5	1.3	147.5	-1.8	85.3	0.7	127.7	-2.5
1979 March.....	120.4	4.2	101.1	2.6	143.8	-2.5	84.0	-1.5	119.4	-6.5

Please see notes at end of tables.

Table 46. U.S.-Japan comparisons: Trucks, assembled, piston displacement over 2000cc

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	68.5	—	66.2	—	54.2	—	96.6	—	79.1	—
1971 June.....	72.9	6.4	66.2	0.0	54.4	0.4	90.8	-6.0	74.6	-5.7
1972 June.....	73.9	1.4	67.5	2.0	65.5	20.4	91.3	0.6	88.6	18.8
1973 June.....	76.5	3.5	70.1	3.9	77.7	18.6	91.6	0.3	101.6	14.7
1974 March.....	81.5	6.5	84.2	20.1	87.6	12.7	103.3	12.8	107.5	5.8
1974 June.....	86.3	5.9	90.0	6.9	93.4	6.6	104.3	1.0	108.2	0.7
1974 September.....	91.7	6.3	93.2	3.6	91.5	-2.0	101.6	-2.6	99.8	-7.8
1974 December.....	93.1	1.5	93.0	-0.2	90.9	-0.7	99.9	-1.7	97.6	-2.2
1975 March.....	100.1	7.5	95.7	2.9	97.5	7.3	95.6	-4.3	97.4	-0.2
1975 June.....	100.0	-0.1	100.0	4.5	100.0	2.6	100.0	4.6	100.0	2.7
1975 September.....	103.4	3.4	104.0	4.0	101.8	1.8	100.6	0.6	98.5	-1.5
1975 December.....	104.3	0.9	105.7	1.6	101.5	-0.3	101.3	0.7	97.3	-1.2
1976 March.....	109.2	4.7	106.3	0.6	103.8	2.3	97.3	-3.9	95.1	-2.3
1976 June.....	113.3	3.8	106.0	-0.3	104.0	0.2	93.6	-3.8	91.8	-3.5
1976 September.....	117.3	3.5	103.9	-2.0	106.1	2.0	88.6	-5.3	90.5	-1.4
1976 December.....	118.3	0.9	104.7	0.8	104.3	-1.7	88.5	-0.1	88.2	-2.5
1977 March.....	119.7	1.2	104.0	-0.7	108.9	4.4	86.9	-1.8	91.0	3.2
1977 June.....	120.3	0.5	103.6	-0.4	111.5	2.4	86.1	-0.9	92.7	1.9
1977 September.....	126.0	4.7	105.0	1.4	115.5	3.6	83.3	-3.3	91.7	-1.1
1977 December.....	128.7	2.1	102.7	-2.2	125.1	8.3	79.8	-4.2	97.2	6.0
1978 March.....	131.9	2.5	102.4	-0.3	129.7	3.7	77.6	-2.8	98.3	1.1
1978 June.....	138.6	5.1	102.9	0.5	141.2	8.9	74.2	-4.4	101.9	3.7
1978 September.....	140.1	1.1	103.9	1.0	160.6	13.7	74.2	0.0	114.6	12.5
1978 December.....	144.4	3.1	105.2	1.3	157.6	-1.9	72.9	-1.8	109.1	-4.8
1979 March.....	149.5	3.5	107.7	2.4	153.1	-2.9	72.0	-1.2	102.4	-6.1

Please see notes at end of tables.

Table 47. U.S.-Japan comparisons: Agricultural tractors, except garden tractors

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 March	100.6	—	99.7	—	101.6	—	99.1	—	101.0	—
1975 June	100.0	-0.6	100.0	0.3	100.0	-1.6	100.0	0.9	100.0	-1.0
1975 September	101.2	1.2	100.0	0.0	97.9	-2.1	98.8	-1.2	96.7	-3.3
1975 December	106.0	4.7	100.2	0.2	96.2	-1.7	94.5	-4.4	90.8	-6.1
1976 March	108.0	1.9	100.2	0.0	97.8	1.7	92.8	-1.8	90.6	-0.2
1976 June	110.5	2.3	103.1	2.9	101.1	3.4	93.3	0.5	91.5	1.0
1976 September	111.3	0.7	103.1	0.0	105.3	4.2	92.6	-0.8	94.6	3.4
1976 December	114.5	2.9	103.7	0.6	103.3	-1.9	90.6	-2.2	90.2	-4.7
1977 March	119.3	4.2	103.7	0.0	108.6	5.1	86.9	-4.1	91.0	0.9
1977 June	119.6	0.3	107.5	3.7	115.6	6.4	89.9	3.5	96.7	6.3
1977 September	122.7	2.6	108.0	0.5	118.8	2.8	88.0	-2.1	96.8	0.1
1977 December	128.9	5.1	107.7	-0.3	131.1	10.4	83.6	-5.0	101.7	5.1
1978 March	130.4	1.2	107.6	-0.1	136.2	3.9	82.5	-1.3	104.4	2.7
1978 June	131.3	0.7	98.4	-8.6	135.0	-0.9	74.9	-9.2	102.8	-1.5
1978 September	136.4	3.9	99.5	1.1	153.8	13.9	72.9	-2.7	112.8	9.7
1978 December	136.3	-0.1	106.3	6.8	159.2	3.5	78.0	7.0	116.8	3.5
1979 March	137.2	0.7	107.3	0.9	152.6	-4.1	78.2	0.3	111.2	-4.8

Please see notes at end of tables.

Table 48. U.S.-Japan comparisons: Excavators (backhoes, shovels, etc.)

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June	62.6	—	74.3	—	60.7	—	118.7	—	97.0	—
1971 June	65.7	5.0	74.3	0.0	61.0	0.5	113.1	-4.7	92.8	-4.3
1972 June	69.1	5.2	76.6	3.1	74.3	21.8	110.9	-1.9	107.5	15.8
1973 June	71.0	2.7	86.8	13.3	96.3	29.6	122.3	10.3	135.6	26.1
1974 March	76.0	7.0	93.5	7.7	97.3	1.0	123.0	0.6	128.0	-5.6
1974 June	84.3	10.9	93.7	0.2	97.2	-0.1	111.2	-9.6	115.3	-9.9
1974 September	87.4	3.7	99.1	5.8	97.2	0.0	113.4	2.0	111.2	-3.6
1974 December	92.1	5.4	99.4	0.3	97.1	-0.1	107.9	-4.9	105.4	-5.2
1975 March	97.3	5.6	97.0	-2.4	98.9	1.9	99.7	-7.6	101.6	-3.6
1975 June	100.0	2.8	100.0	3.1	100.0	1.1	100.0	0.3	100.0	-1.6
1975 September	101.5	1.5	102.2	2.2	100.0	0.0	100.7	0.7	98.5	-1.5
1975 December	105.0	3.4	103.2	1.0	99.1	-0.9	98.3	-2.4	94.4	-4.2
1976 March	110.8	5.5	102.9	-0.3	100.5	1.4	92.9	-5.5	90.7	-3.9
1976 June	111.9	1.0	101.7	-1.2	99.7	-0.8	90.9	-2.2	89.1	-1.8
1976 September	112.8	0.8	99.7	-2.0	101.8	2.1	88.4	-2.8	90.2	1.2
1976 December	119.3	5.8	98.9	-0.8	98.5	-3.2	82.9	-6.2	82.6	-8.4
1977 March	121.4	1.8	96.4	-2.5	101.0	2.5	79.4	-4.2	83.2	0.7
1977 June	122.3	0.7	96.9	0.5	104.2	3.2	79.2	-0.3	85.2	2.4
1977 September	121.3	-0.8	95.5	-1.4	105.1	0.9	78.7	-0.6	86.6	1.6
1977 December	127.4	5.0	95.4	-0.1	116.2	10.6	74.9	-4.8	91.2	5.3
1978 March	128.5	0.9	91.3	-4.3	115.6	-0.5	71.1	-5.1	90.0	-1.3
1978 June	133.5	3.9	93.0	1.9	127.6	10.4	69.7	-2.0	95.6	6.2
1978 September	135.8	1.7	92.9	-0.1	143.6	12.5	68.4	-1.9	105.7	10.6
1978 December	139.2	2.5	90.6	-2.5	135.7	-5.5	65.1	-4.8	97.5	-7.8
1979 March	143.6	3.2	91.0	0.4	129.5	-4.6	63.4	-2.6	90.2	-7.5

Please see notes at end of tables.

Table 49. U.S.-Japan comparisons: Truck-mounted cranes

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 June.....	100.0	—	100.0	—	100.0	—	100.0	—	100.0	—
1975 September.....	101.4	1.4	103.5	3.5	101.3	1.3	102.1	2.1	99.9	-0.1
1975 December.....	104.9	3.5	103.5	0.0	99.4	-1.9	98.7	-3.3	94.8	-5.1
1976 March.....	107.0	2.0	103.5	0.0	101.1	1.7	96.7	-2.0	94.5	-0.3
1976 June.....	107.3	0.3	103.5	0.0	101.5	0.4	96.5	-0.2	94.6	0.1
1976 September.....	109.4	2.0	106.9	3.3	109.1	7.5	97.7	1.2	99.7	5.4
1976 December.....	111.0	1.5	106.9	0.0	106.4	-2.5	96.3	-1.4	95.9	-3.8
1977 March.....	112.8	1.6	106.9	0.0	111.9	5.2	94.8	-1.6	99.2	3.4
1977 June.....	116.0	2.8	106.7	-0.2	114.7	2.5	92.0	-3.0	98.9	-0.3
1977 September.....	116.9	0.8	105.0	-1.6	115.6	0.8	89.8	-2.4	98.9	0.0
1977 December.....	118.4	1.3	105.0	0.0	127.9	10.6	88.7	-1.2	108.0	9.2
1978 March.....	121.9	3.0	105.0	0.0	133.0	4.0	86.1	-2.9	109.1	1.0
1978 June.....	123.0	0.9	105.0	0.0	144.1	8.3	85.4	-0.8	117.2	7.4
1978 September.....	125.3	1.9	105.0	0.0	162.3	12.6	83.8	-1.9	129.5	10.5
1978 December.....	130.0	3.8	105.0	0.0	157.3	-3.1	80.8	-3.6	121.0	-6.6
1979 March.....	131.2	0.9	105.0	0.0	149.4	-5.0	80.0	-1.0	113.9	-5.9

Please see notes at end of tables.

Table 50. U.S.-Japan comparisons: Tractors and loaders, except agricultural tractors

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	68.0	—	62.0	—	50.7	—	91.2	—	74.6	—
1971 June.....	72.1	6.0	64.9	4.7	53.3	5.1	90.0	-1.3	73.9	-0.9
1972 June.....	73.5	1.9	60.1	-7.4	58.4	9.6	81.8	-9.1	79.5	7.6
1973 June.....	75.2	2.3	60.3	0.3	66.9	14.6	80.2	-2.0	89.0	11.9
1974 March.....	79.0	5.1	69.7	15.6	72.5	8.4	88.2	10.0	91.8	3.1
1974 June.....	84.5	7.0	72.8	4.4	75.5	4.1	86.2	-2.3	89.3	-2.7
1974 September.....	90.5	7.1	88.6	21.7	86.9	15.1	97.9	13.6	96.0	7.5
1974 December.....	94.9	4.9	88.5	-0.1	86.4	-0.6	93.3	-4.7	91.0	-5.2
1975 March.....	98.3	3.6	99.3	12.2	101.2	17.1	101.0	8.3	103.0	13.2
1975 June.....	100.0	1.7	100.0	0.7	100.0	-1.2	100.0	-1.0	100.0	-2.9
1975 September.....	102.4	2.4	101.8	1.8	99.6	-0.4	99.4	-0.6	97.3	-2.7
1975 December.....	105.1	2.6	102.5	0.7	98.4	-1.2	97.5	-1.9	93.6	-3.8
1976 March.....	107.2	2.0	101.9	-0.6	99.5	1.1	95.1	-2.5	92.8	-0.9
1976 June.....	107.2	0.0	105.1	3.1	103.1	3.6	98.0	3.0	96.2	3.7
1976 September.....	108.2	0.9	104.7	-0.4	106.9	3.7	96.8	-1.2	98.8	2.7
1976 December.....	112.4	3.9	107.2	2.4	106.8	-0.1	95.4	-1.4	95.0	-3.8
1977 March.....	115.2	2.5	107.3	0.1	112.4	5.2	93.1	-2.4	97.6	2.7
1977 June.....	117.2	1.7	110.6	3.1	119.0	5.9	94.4	1.4	101.5	4.0
1977 September.....	118.3	0.9	110.6	0.0	121.7	2.3	93.5	-1.0	102.9	1.4
1977 December.....	122.2	3.3	103.8	-6.1	126.4	3.9	84.9	-9.2	103.4	0.5
1978 March.....	124.0	1.5	104.8	1.0	132.7	5.0	84.5	-0.5	107.0	3.5
1978 June.....	129.7	4.6	101.1	-3.5	138.7	4.5	77.9	-7.8	106.9	-0.1
1978 September.....	131.1	1.1	96.8	-4.3	149.6	7.9	73.8	-5.3	114.1	6.7
1978 December.....	137.3	4.7	100.1	3.4	149.9	0.2	72.9	-1.2	109.2	-4.3
1979 March.....	138.4	0.8	107.4	7.3	152.8	1.9	77.6	6.4	110.4	1.1

Please see notes at end of tables.

Table 51. U.S.-Japan comparisons: Lathes, metalcutting, except numerically controlled

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	62.1	—	61.7	—	50.4	—	99.4	—	81.2	—
1971 June.....	66.1	6.4	61.7	0.0	50.6	0.4	93.3	-6.1	76.6	-5.7
1972 June.....	67.2	1.7	61.7	0.0	59.8	18.2	91.8	-1.6	89.0	16.2
1973 June.....	71.8	6.8	68.7	11.3	76.2	27.4	95.7	4.2	106.1	19.2
1974 March.....	76.1	6.0	81.9	19.2	85.3	11.9	107.6	12.4	112.1	5.7
1974 June.....	81.9	7.6	90.6	10.6	93.9	10.1	110.6	2.8	114.7	2.3
1974 September.....	89.9	9.8	90.6	0.0	88.9	-5.3	100.8	-8.9	98.9	-13.8
1974 December.....	95.4	6.1	97.2	7.3	94.9	6.7	101.9	1.1	99.5	0.6
1975 March.....	97.9	2.6	99.1	2.0	101.0	6.4	101.2	-0.7	103.2	3.7
1975 June.....	100.0	2.1	100.0	0.9	100.0	-1.0	100.0	-1.2	100.0	-3.1
1975 September.....	100.0	0.0	103.5	3.5	101.3	1.3	103.5	3.5	101.3	1.3
1975 December.....	101.4	1.4	104.7	1.2	100.5	-0.8	103.3	-0.2	99.1	-2.2
1976 March.....	104.6	3.2	103.8	-0.9	101.3	0.8	99.2	-4.0	96.8	-2.3
1976 June.....	104.6	0.0	105.4	1.5	103.4	2.1	100.8	1.6	98.9	2.2
1976 September.....	107.9	3.2	104.6	-0.8	106.8	3.3	96.9	-3.9	99.0	0.1
1976 December.....	111.7	3.5	104.6	0.0	104.1	-2.5	93.6	-3.4	93.2	-5.9
1977 March.....	112.2	0.4	101.9	-2.6	106.7	2.5	90.8	-3.0	95.1	2.0
1977 June.....	116.1	3.5	100.6	-1.3	108.2	1.4	86.6	-4.6	93.2	-2.0
1977 September.....	118.1	1.7	102.8	2.2	113.1	4.5	87.0	0.5	95.8	2.8
1977 December.....	121.8	3.1	102.5	-0.3	124.8	10.3	84.2	-3.2	102.5	7.0
1978 March.....	125.4	3.0	100.5	-2.0	127.3	2.0	80.1	-4.9	101.5	-1.0
1978 June.....	131.9	5.2	94.7	-5.8	129.9	2.0	71.8	-10.4	98.5	-3.0
1978 September.....	135.5	2.7	94.4	-0.3	145.9	12.3	69.7	-2.9	107.7	9.3
1978 December.....	137.8	1.7	102.0	8.1	152.8	4.7	74.0	6.2	110.9	3.0
1979 March.....	139.7	1.4	111.0	8.8	157.8	3.3	79.5	7.4	113.0	1.9

Please see notes at end of tables.

Table 52. U.S.-Japan comparisons: Grinding machines, metalcutting, except numerically controlled

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	65.8	—	76.6	—	62.6	—	116.4	—	95.1	—
1971 June.....	67.3	2.3	76.6	0.0	62.9	0.5	113.8	-2.2	93.5	-1.7
1972 June.....	69.0	2.5	74.2	-3.1	72.0	14.5	107.5	-5.5	104.3	11.6
1973 June.....	71.9	4.2	78.9	6.3	87.5	21.5	109.7	2.0	121.7	16.7
1974 March.....	81.9	13.9	107.2	35.9	111.5	27.4	130.9	19.3	136.1	11.8
1974 June.....	83.2	1.6	100.0	-6.7	103.7	-7.0	120.2	-8.2	124.6	-8.4
1974 September.....	84.9	2.0	100.0	0.0	98.1	-5.4	117.8	-2.0	115.5	-7.3
1974 December.....	96.4	13.5	100.0	0.0	97.7	-0.4	103.7	-12.0	101.3	-12.3
1975 March.....	98.1	1.8	100.0	0.0	101.9	4.3	101.9	-1.7	103.9	2.6
1975 June.....	100.0	1.9	100.0	0.0	100.0	-1.9	100.0	-1.9	100.0	-3.8
1975 September.....	106.0	6.0	100.0	0.0	97.9	-2.1	94.3	-5.7	92.4	-7.6
1975 December.....	106.0	0.0	100.0	0.0	96.0	-1.9	94.3	0.0	90.6	-1.9
1976 March.....	107.7	1.6	100.0	0.0	97.7	1.8	92.9	-1.5	90.7	0.1
1976 June.....	112.3	4.3	118.5	18.5	116.2	18.9	105.5	13.6	103.5	14.1
1976 September.....	112.4	0.1	118.5	0.0	121.0	4.1	105.4	-0.1	107.7	4.1
1976 December.....	112.4	0.0	118.5	0.0	118.0	-2.5	105.4	0.0	105.0	-2.5
1977 March.....	118.3	5.2	117.3	-1.0	122.8	4.1	99.2	-5.9	103.8	-1.1
1977 June.....	119.8	1.3	118.3	0.9	127.2	3.6	98.7	-0.5	106.2	2.3
1977 September.....	121.6	1.5	115.1	-2.7	126.6	-0.5	94.7	-4.1	104.1	-2.0
1977 December.....	122.4	0.7	115.0	-0.1	140.0	10.6	94.0	-0.7	114.4	9.9
1978 March.....	126.6	3.4	110.2	-4.2	139.5	-0.4	87.0	-7.4	110.2	-3.7
1978 June.....	131.4	3.8	106.0	-3.8	145.4	4.2	80.7	-7.2	110.7	0.5
1978 September.....	131.4	0.0	97.6	-7.9	150.8	3.7	74.3	-7.9	114.8	3.7
1978 December.....	137.7	4.8	105.8	8.4	158.5	5.1	76.8	3.4	115.1	0.3
1979 March.....	146.4	6.3	110.0	4.0	156.5	-1.3	75.1	-2.2	106.9	-7.1

Please see notes at end of tables.

Table 53. U.S.-Japan comparisons: Numerically controlled machine tools

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 March	98.4	—	99.1	—	101.0	—	100.7	—	102.6	—
1975 June	100.0	1.6	100.0	0.9	100.0	-1.0	100.0	-0.7	100.0	-2.5
1975 September	100.0	0.0	101.0	1.0	98.8	-1.2	101.0	1.0	98.8	-1.2
1975 December	100.4	0.4	101.7	0.7	97.6	-1.2	101.3	0.3	97.2	-1.6
1976 March	100.0	-0.4	100.8	-0.9	98.4	0.8	100.8	-0.5	98.4	1.2
1976 June	101.4	1.4	100.6	-0.2	98.7	0.3	99.2	-1.6	97.3	-1.1
1976 September	102.2	0.8	98.7	-1.9	100.8	2.1	96.6	-2.6	98.6	1.3
1976 December	103.7	1.5	100.0	1.3	99.6	-1.2	96.4	-0.2	96.0	-2.6
1977 March	105.4	1.6	97.5	-2.5	102.1	2.5	92.5	-4.0	96.9	0.9
1977 June	105.4	0.0	96.2	-1.3	103.5	1.4	91.3	-1.3	98.2	1.3
1977 September	106.8	1.3	100.8	4.8	110.9	7.1	94.4	3.4	103.8	5.7
1977 December	109.2	2.2	100.5	-0.3	122.4	10.4	92.0	-2.5	112.1	8.0
1978 March	110.4	1.1	98.5	-2.0	124.7	1.9	89.2	-3.0	113.0	0.8
1978 June	113.0	2.4	94.6	-4.0	129.7	4.0	83.7	-6.2	114.8	1.6
1978 September	115.3	2.0	92.2	-2.5	142.4	9.8	80.0	-4.4	123.5	7.6
1978 December	116.5	1.0	99.9	8.4	149.6	5.1	85.8	7.2	128.4	4.0
1979 March	116.9	0.3	107.1	7.2	152.4	1.9	91.6	6.8	130.4	1.6

Please see notes at end of tables.

Table 54. U.S.-Japan comparisons: Pumps for liquids

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June	63.5	—	62.5	—	51.1	—	98.4	—	80.5	—
1971 June	65.1	2.5	63.1	1.0	51.8	1.4	96.9	-1.5	79.6	-1.1
1972 June	66.8	2.6	64.4	2.1	62.5	20.7	96.4	-0.5	93.6	17.6
1973 June	70.8	6.0	86.2	33.9	95.6	53.0	121.8	26.3	135.0	44.2
1974 March	78.1	10.3	116.7	35.4	121.4	27.0	149.4	22.7	155.4	15.1
1974 June	88.6	13.4	116.7	0.0	121.0	-0.3	131.7	-11.8	136.6	-12.1
1974 September	91.6	3.4	116.7	0.0	114.5	-5.4	127.4	-3.3	125.0	-8.5
1974 December	93.9	2.5	116.7	0.0	114.0	-0.4	124.3	-2.4	121.4	-2.9
1975 March	96.8	3.1	102.7	-12.0	104.6	-8.2	106.1	-14.6	108.1	-11.0
1975 June	100.0	3.3	100.0	-2.6	100.0	-4.4	100.0	-5.7	100.0	-7.5
1975 September	103.6	3.6	95.8	-4.2	93.8	-6.2	92.5	-7.5	90.5	-9.5
1975 December	103.6	0.0	92.8	-3.1	89.1	-5.0	89.6	-3.1	86.0	-5.0
1976 March	104.4	0.8	92.8	0.0	90.6	1.7	88.9	-0.8	86.8	0.9
1976 June	106.1	1.6	92.8	0.0	91.0	0.4	87.5	-1.6	85.8	-1.2
1976 September	110.4	4.1	92.8	0.0	94.8	4.2	84.1	-3.9	85.9	0.1
1976 December	111.5	1.0	92.8	0.0	92.4	-2.5	83.2	-1.1	82.9	-3.5
1977 March	112.1	0.5	92.8	0.0	97.2	5.2	82.8	-0.5	86.7	4.6
1977 June	117.0	4.4	92.8	0.0	99.8	2.7	79.3	-4.2	85.3	-1.6
1977 September	117.9	0.8	92.8	0.0	102.1	2.3	78.7	-0.8	86.6	1.5
1977 December	119.5	1.4	92.8	0.0	113.0	10.7	77.7	-1.3	94.6	9.2
1978 March	121.4	1.6	88.4	-4.7	112.0	-0.9	72.8	-6.3	92.3	-2.4
1978 June	127.8	5.3	88.4	0.0	121.3	8.3	69.2	-4.9	94.9	2.8
1978 September	128.7	0.7	88.4	0.0	136.7	12.7	68.7	-0.7	106.2	11.9
1978 December	134.0	4.1	88.4	0.0	132.5	-3.1	66.0	-3.9	98.9	-6.9
1979 March	135.6	1.2	88.4	0.0	125.8	-5.1	65.2	-1.2	92.8	-6.2

Please see notes at end of tables.

Table 55. U.S.-Japan comparisons: Air or gas pumps and compressors

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	71.8	—	86.8	—	71.0	—	120.9	—	98.9	—
1971 June.....	74.9	4.3	86.8	0.0	71.3	0.4	115.9	-4.1	95.2	-3.7
1972 June.....	74.9	0.0	86.8	0.0	84.2	18.1	115.9	0.0	112.4	18.1
1973 June.....	79.3	5.9	86.0	-0.9	95.4	13.3	108.4	-6.5	120.3	7.0
1974 March.....	82.8	4.4	88.4	2.8	92.0	-3.6	106.8	-1.5	111.1	-7.6
1974 June.....	87.2	5.3	88.4	0.0	91.7	-0.3	101.4	-5.1	105.2	-5.3
1974 September.....	92.4	6.0	95.0	7.5	93.2	1.6	102.8	1.4	100.9	-4.1
1974 December.....	96.0	3.9	95.0	0.0	92.8	-0.4	99.0	-3.7	96.7	-4.2
1975 March.....	99.7	3.9	99.1	4.3	101.0	8.8	99.4	0.4	101.3	4.8
1975 June.....	100.0	0.3	100.0	0.9	100.0	-1.0	100.0	0.6	100.0	-1.3
1975 September.....	101.1	1.1	101.0	1.0	98.8	-1.2	99.9	-0.1	97.7	-2.3
1975 December.....	101.1	0.0	102.1	1.1	98.0	-0.8	101.0	1.1	96.9	-0.8
1976 March.....	105.8	4.6	101.2	-0.9	98.8	0.8	95.7	-5.2	93.4	-3.6
1976 June.....	106.1	0.3	101.0	-0.2	99.1	0.3	95.2	-0.5	93.4	0.0
1976 September.....	106.8	0.7	107.5	6.4	109.8	10.8	100.7	5.8	102.8	10.1
1976 December.....	108.2	1.3	109.0	1.4	108.5	-1.2	100.7	0.0	100.3	-2.4
1977 March.....	108.8	0.6	106.0	-2.8	111.0	2.3	97.4	-3.3	102.0	1.7
1977 June.....	111.8	2.8	104.5	-1.4	112.4	1.3	93.5	-4.0	100.5	-1.5
1977 September.....	113.0	1.1	103.4	-1.1	113.7	1.2	91.5	-2.1	100.6	0.1
1977 December.....	113.6	0.5	103.0	-0.4	125.4	10.3	90.7	-0.9	110.4	9.7
1978 March.....	119.9	5.5	106.5	3.4	134.8	7.5	88.8	-2.1	112.4	1.8
1978 June.....	121.0	0.9	106.2	-0.3	145.7	8.1	87.8	-1.1	120.4	7.1
1978 September.....	122.4	1.2	103.2	-2.8	159.5	9.5	84.3	-4.0	130.3	8.2
1978 December.....	124.4	1.6	104.8	1.6	157.0	-1.6	84.2	-0.1	126.2	-3.1
1979 March.....	130.0	4.5	107.0	2.1	152.2	-3.1	82.3	-2.3	117.1	-7.2

Please see notes at end of tables.

Table 56. U.S.-Japan comparisons: Forklift trucks

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June.....	66.5	—	74.7	—	61.1	—	112.3	—	91.9	—
1971 June.....	68.8	3.5	75.7	1.3	62.2	1.8	110.0	-2.0	90.4	-1.6
1972 June.....	71.3	3.6	70.9	-6.3	68.8	10.6	99.4	-9.6	96.5	6.7
1973 June.....	73.9	3.6	71.4	0.7	79.2	15.1	96.6	-2.8	107.2	11.1
1974 March.....	83.6	13.1	90.4	26.6	94.0	18.7	108.1	11.9	112.4	4.9
1974 June.....	86.6	3.6	92.8	2.7	96.3	2.4	107.2	-0.8	111.2	-1.1
1974 September.....	91.2	5.3	97.1	4.6	95.2	-1.1	106.5	-0.7	104.4	-6.1
1974 December.....	95.5	4.7	101.0	4.0	98.7	3.7	105.8	-0.7	103.4	-1.0
1975 March.....	101.4	6.2	100.1	-0.9	102.0	3.3	98.7	-6.7	100.6	-2.7
1975 June.....	100.0	-1.4	100.0	-0.1	100.0	-2.0	100.0	1.3	100.0	-0.6
1975 September.....	104.3	4.3	102.1	2.1	99.9	-0.1	97.9	-2.1	95.8	-4.2
1975 December.....	105.1	0.8	103.3	1.2	99.2	-0.7	98.3	0.4	94.4	-1.5
1976 March.....	107.0	1.8	102.8	-0.5	100.4	1.2	96.1	-2.2	93.8	-0.6
1976 June.....	107.5	0.5	104.3	1.5	102.3	1.9	97.0	0.9	95.2	1.5
1976 September.....	107.8	0.3	104.7	0.4	106.9	4.5	97.1	0.1	99.2	4.2
1976 December.....	110.8	2.8	105.7	1.0	105.2	-1.6	95.4	-1.8	94.9	-4.3
1977 March.....	113.4	2.3	104.8	-0.9	109.7	4.3	92.4	-3.1	96.7	1.9
1977 June.....	114.2	0.7	104.1	-0.7	112.0	2.1	91.2	-1.3	98.1	1.4
1977 September.....	114.5	0.3	104.1	0.0	114.6	2.3	90.9	-0.3	100.1	2.0
1977 December.....	118.2	3.2	104.1	0.0	126.8	10.6	88.1	-3.1	107.3	7.2
1978 March.....	120.8	2.2	104.1	0.0	131.9	4.0	86.2	-2.2	109.2	1.8
1978 June.....	121.9	0.9	104.1	0.0	142.9	8.3	85.4	-0.9	117.2	7.3
1978 September.....	126.5	3.8	101.8	-2.2	157.3	10.1	80.5	-5.7	124.3	6.1
1978 December.....	127.7	0.9	92.2	-9.4	138.1	-12.2	72.2	-10.3	108.1	-13.0
1979 March.....	130.5	2.2	92.2	0.0	131.2	-5.0	70.7	-2.1	100.5	-7.0

Please see notes at end of tables.

Table 57. U.S.-Japan comparisons: Power transmission chains, of iron or steel

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1974 March	70.1	—	93.5	—	97.3	—	133.4	—	138.8	—
1974 June	80.1	14.3	93.6	0.1	97.1	-0.2	116.9	-12.4	121.2	-12.7
1974 September	92.4	15.4	104.0	11.1	102.1	5.1	112.6	-3.7	110.5	-8.8
1974 December	93.7	1.4	104.3	0.3	101.9	-0.2	111.3	-1.2	108.8	-1.5
1975 March	100.0	6.7	98.0	-6.0	99.9	-2.0	98.0	-11.9	99.9	-8.2
1975 June	100.0	0.0	100.0	2.0	100.0	0.1	100.0	2.0	100.0	0.1
1975 September	100.0	0.0	108.0	8.0	105.7	5.7	108.0	8.0	105.7	5.7
1975 December	100.0	0.0	110.3	2.1	105.9	0.2	110.3	2.1	105.9	0.2
1976 March	100.4	0.4	108.5	-1.6	105.9	0.0	108.1	-2.0	105.5	-0.4
1976 June	100.4	0.0	107.9	-0.6	105.9	0.0	107.5	-0.6	105.5	0.0
1976 September	100.4	0.0	103.7	-3.9	105.9	0.0	103.3	-3.9	105.5	0.0
1976 December	101.0	0.6	106.4	2.6	105.9	0.0	105.3	1.9	104.9	-0.6
1977 March	101.2	0.2	101.1	-5.0	105.9	0.0	99.9	-5.1	104.6	-0.3
1977 June	82.5	-18.5	100.2	-0.9	107.8	1.8	121.5	21.6	130.7	25.0
1977 September	83.4	1.1	100.7	0.5	110.8	2.8	120.7	-0.7	132.9	1.7
1977 December	83.4	0.0	95.3	-5.4	116.0	4.7	114.3	-5.3	139.1	4.7
1978 March	86.7	4.0	93.2	-2.2	118.0	1.7	107.5	-5.9	136.1	-2.2
1978 June	89.9	3.7	89.6	-3.9	122.9	4.2	99.7	-7.3	136.7	0.4
1978 September	89.9	0.0	87.4	-2.5	135.1	9.9	97.2	-2.5	150.3	9.9
1978 December	91.4	1.7	88.9	1.7	133.1	-1.5	97.3	0.1	145.6	-3.1
1979 March	93.5	2.3	93.0	4.6	132.3	-0.6	99.5	2.3	141.5	-2.8

Please see notes at end of tables.

Table 58. U.S.-Japan comparisons: Electromechanical handtools

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 March	99.9	—	110.0	—	112.1	—	110.1	—	112.2	—
1975 June	100.0	0.1	100.0	-9.1	100.0	-10.8	100.0	-9.2	100.0	-10.9
1975 September	103.7	3.7	100.0	0.0	97.9	-2.1	96.4	-3.6	94.4	-5.6
1975 December	105.4	1.6	100.7	0.7	96.7	-1.2	95.5	-0.9	91.7	-2.9
1976 March	107.1	1.6	100.7	0.0	98.4	1.8	94.0	-1.6	91.9	0.2
1976 June	109.4	2.1	104.3	3.6	102.3	4.0	95.3	1.4	93.5	1.7
1976 September	110.6	1.1	105.3	1.0	107.5	5.1	95.2	-0.1	97.2	4.0
1976 December	110.6	0.0	105.3	0.0	104.8	-2.5	95.2	0.0	94.8	-2.5
1977 March	114.3	3.3	105.3	0.0	110.2	5.2	92.1	-3.3	96.4	1.7
1977 June	115.6	1.1	105.3	0.0	113.2	2.7	91.1	-1.1	97.9	1.6
1977 September	116.5	0.8	105.3	0.0	115.8	2.3	90.4	-0.8	99.4	1.5
1977 December	117.4	0.8	103.8	-1.4	126.4	9.2	88.4	-2.2	107.7	8.4
1978 March	124.1	5.7	103.8	0.0	131.5	4.0	83.6	-5.4	106.0	-1.6
1978 June	125.2	0.9	100.9	-2.8	138.5	5.3	80.6	-3.6	110.6	4.3
1978 September	128.9	3.0	93.7	-7.1	144.8	4.5	72.7	-9.8	112.3	1.5
1978 December	128.9	0.0	90.6	-3.3	135.7	-6.3	70.3	-3.3	105.3	-6.2
1979 March	134.8	4.6	90.6	0.0	128.9	-5.0	67.2	-4.4	95.6	-9.2

Please see notes at end of tables.

Table 59. U.S.-Japan comparisons: Printing machines

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1975 March	100.0	—	93.0	—	94.8	—	93.0	—	94.8	—
1975 June	100.0	0.0	100.0	7.5	100.0	5.5	100.0	7.5	100.0	5.5
1975 September	105.0	5.0	100.5	0.5	98.3	-1.7	95.7	-4.3	93.6	-6.4
1975 December	106.1	1.0	100.5	0.0	96.5	-1.8	94.7	-1.0	91.0	-2.8
1976 March	113.1	6.6	106.8	6.3	104.3	8.1	94.4	-0.3	92.2	1.3
1976 June	113.1	0.0	124.1	16.2	121.7	16.7	109.7	16.2	107.6	16.7
1976 September	115.1	1.8	124.1	0.0	126.8	4.2	107.8	-1.7	110.2	2.4
1976 December	119.7	4.0	125.9	1.5	125.3	-1.2	105.2	-2.4	104.7	-5.0
1977 March	124.1	3.7	126.0	0.1	131.9	5.3	101.5	-3.5	106.3	1.5
1977 June	126.9	2.3	126.0	0.0	135.5	2.7	99.3	-2.2	106.8	0.5
1977 September	131.1	3.3	126.0	0.0	138.6	2.3	96.1	-3.2	105.7	-1.0
1977 December	131.8	0.5	126.0	0.0	153.4	10.7	95.6	-0.5	116.4	10.1
1978 March	138.3	4.9	126.0	0.0	159.5	4.0	91.1	-4.7	115.3	-0.9
1978 June	139.1	0.6	126.2	0.2	173.1	8.5	90.7	-0.4	124.4	7.9
1978 September	141.0	1.4	126.2	0.0	195.0	12.7	89.5	-1.3	138.3	11.2
1978 December	148.0	5.0	126.2	0.0	189.0	-3.1	85.3	-4.7	127.7	-7.7
1979 March	153.6	3.8	126.2	0.0	179.5	-5.0	82.2	-3.6	116.9	-8.5

Please see notes at end of tables.

Table 60. U.S.-Japan comparisons: Metal valves, of iron or steel

Month	U.S. export price index in dollars		Japan export price index in yen		Japan export price index in dollars		Ratio of export price indexes in national currencies		Ratio of export price indexes in dollars	
	Index	Percent change	Index	Percent change	Index	Percent change	Ratio x 100	Percent change	Ratio x 100	Percent change
1970 June	69.4	—	51.1	—	41.8	—	73.6	—	60.2	—
1971 June	72.5	4.5	51.1	0.0	41.9	0.2	70.5	-4.2	57.8	-4.0
1972 June	68.2	-5.9	49.5	-3.1	48.1	14.8	72.6	3.0	70.5	22.0
1973 June	69.4	1.8	49.5	0.0	54.9	14.1	71.3	-1.8	79.1	12.2
1974 March	80.4	15.9	74.8	51.1	77.8	41.7	93.0	30.4	96.8	22.4
1974 June	82.3	2.4	84.3	12.7	87.5	12.5	102.4	10.1	106.3	9.8
1974 September	92.6	12.5	101.2	20.0	99.3	13.5	109.3	6.7	107.2	0.8
1974 December	94.4	1.9	105.5	4.2	103.1	3.8	111.8	2.3	109.2	1.9
1975 March	98.1	3.9	105.3	-0.2	107.3	4.1	107.3	-4.0	109.4	0.2
1975 June	100.0	1.9	100.0	-5.0	100.0	-6.8	100.0	-6.8	100.0	-8.6
1975 September	100.7	0.7	89.6	-10.4	87.7	-12.3	89.0	-11.0	87.1	-12.9
1975 December	103.8	3.1	89.6	0.0	86.0	-1.9	86.3	-3.0	82.9	-4.8
1976 March	107.1	3.2	89.6	0.0	87.5	1.7	83.7	-3.0	81.7	-1.4
1976 June	107.5	0.4	89.6	0.0	87.9	0.5	83.3	-0.5	81.8	0.1
1976 September	108.6	1.0	89.6	0.0	91.5	4.1	82.5	-1.0	84.3	3.1
1976 December	114.4	5.3	89.6	0.0	89.2	-2.5	78.3	-5.1	78.0	-7.5
1977 March	114.8	0.3	87.5	-2.3	91.6	2.7	76.2	-2.7	79.8	2.3
1977 June	116.0	1.0	86.8	-0.8	93.3	1.9	74.8	-1.8	80.4	0.8
1977 September	115.9	-0.1	87.4	0.7	96.1	3.0	75.4	0.8	82.9	3.1
1977 December	122.0	5.3	87.4	0.0	106.4	10.7	71.6	-5.0	87.2	5.2
1978 March	122.1	0.1	87.3	-0.1	110.5	3.9	71.5	-0.1	90.5	3.8
1978 June	123.6	1.2	88.2	1.0	121.0	9.5	71.4	-0.1	97.9	8.2
1978 September	124.2	0.5	82.4	-6.6	127.3	5.2	66.3	-7.1	102.5	4.7
1978 December	131.2	5.6	85.5	3.8	128.1	0.6	65.2	-1.7	97.6	-4.8
1979 March	134.0	2.1	86.6	1.3	123.1	-3.9	64.6	-0.9	91.9	-5.8

Please see notes at end of tables.

Notes for tables 1-60

In all index ratios, the U.S. export price index is in the denominator (i.e., XPI_f/XPI_{us}). Where possible, the indexes and index ratios are adjusted to set the value for the reference period, June 1975, equal to 100. The series in tables 36 and 44 begin after June 1975 and use June 1976 as the reference period.

The U.S. export price indexes that appear in these tables were calculated for the specific purpose of making these intercountry comparisons. The Bureau of Labor Statistics also publishes official export price indexes for the United States, in a separate quarterly press release, which reflect price trends for SITC product categories. As a result, they differ from the indexes

of U.S. export prices contained in this bulletin.

The export price indexes of all three countries are Laspeyres' indexes of specification prices. The weight base period is 1970 for the indexes in tables 1-34 (U.S. and Germany comparisons), and 1975 for the indexes in tables 35-60 (U.S. and Japan comparisons). The base periods reflect national practices.

The Japanese export price indexes in tables 35, 37, 39, 41, 42, 45, 46, 48, 50-52, 54-57, and 60 were linked with indexes on the 1970 base to obtain values for periods before March 1975. The 1970 base values were ratio-spliced using a formula suggested by the Bank of Japan: $\text{Linked index} = (\text{1970 base index}) \times (\text{1975 base average monthly index in 1975}) / (\text{1970 base average monthly index in 1975})$.

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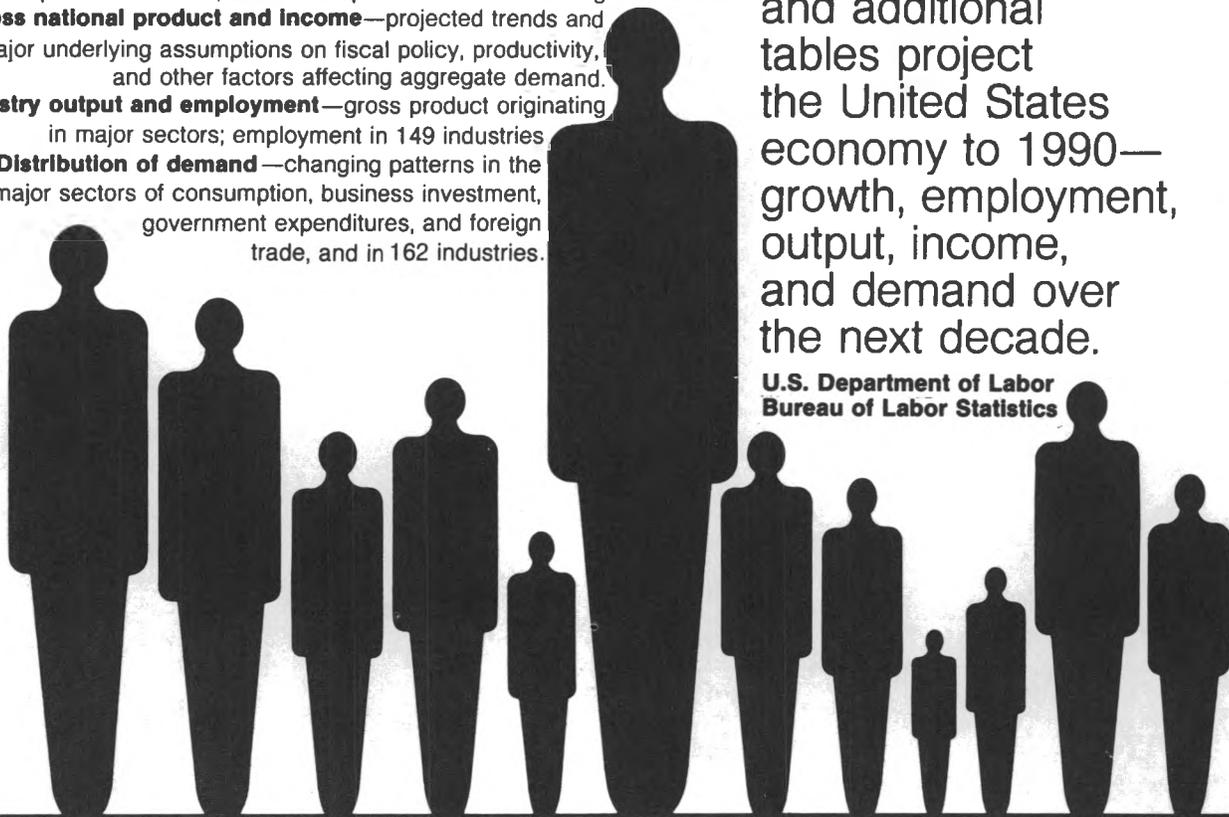
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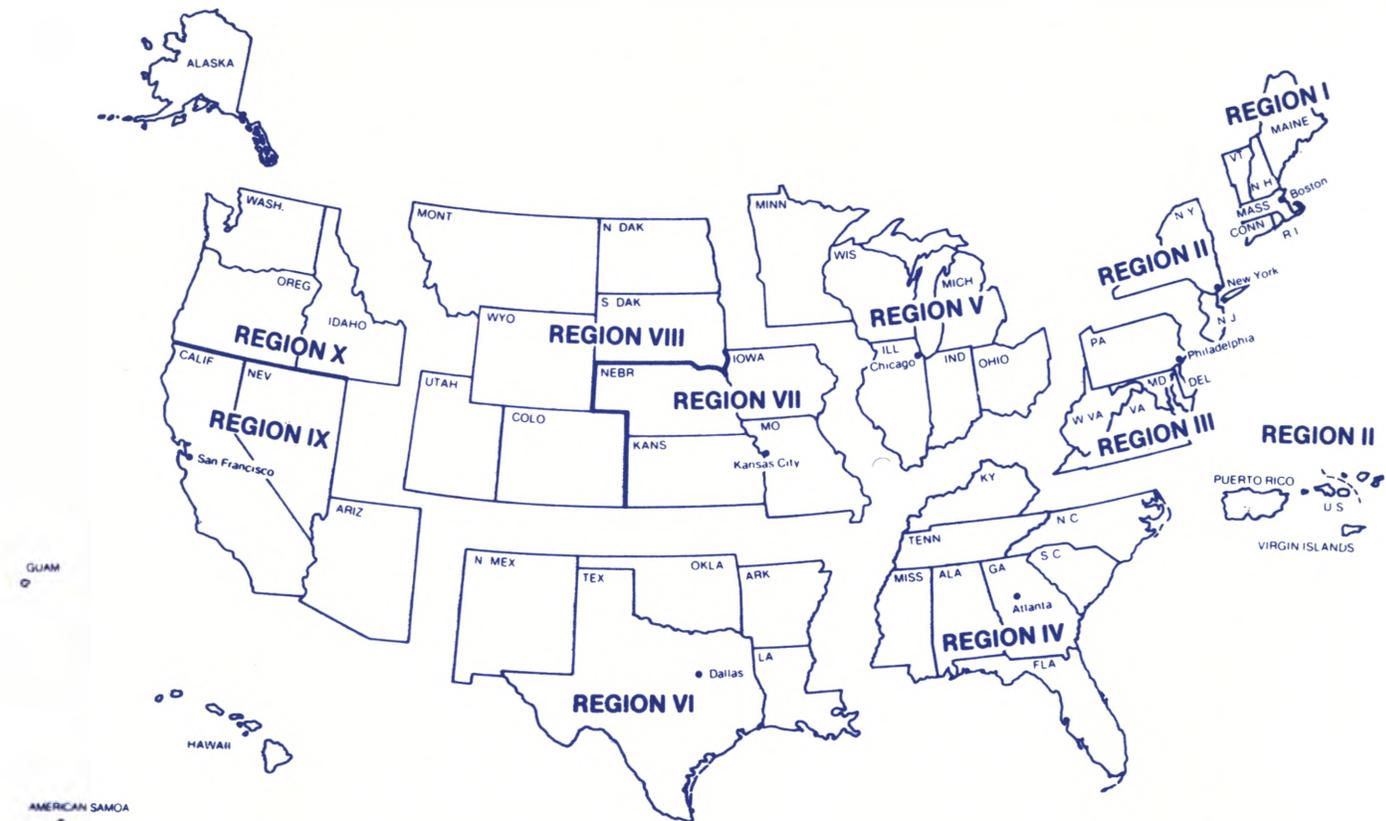
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