

UNITED STATES INTERNATIONAL TRADE COMMISSION

TENTH REPORT TO THE CONGRESS AND  
THE EAST-WEST FOREIGN TRADE BOARD

ON

TRADE BETWEEN THE UNITED STATES  
AND THE NONMARKET ECONOMY COUNTRIES



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UNITED STATES INTERNATIONAL TRADE COMMISSION

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## Introduction

This report by the United States International Trade Commission (hereinafter referred to as the Commission) is made pursuant to section 410 of the Trade Act of 1974 (19 U.S.C. 2440), which requires the Commission to monitor imports from and exports to the nonmarket economy countries (NME's), to provide data on the effect (if any) of such imports on U.S. production and employment and to publish a summary report of the data not less frequently than once each calendar quarter for Congress and the East-West Foreign Trade Board. This report covers information through the first quarter of 1977.

The nonmarket economy countries for which trade statistics are included in this series of reports are Albania, Bulgaria, People's Republic of China (PRC), Cuba, Czechoslovakia, German Democratic Republic (GDR), Hungary, Mongolian People's Republic, Poland, Romania, the U.S.S.R., and Yugoslavia. At a later date, the Democratic People's Republic of Korea, Vietnam, and Democratic Kampuchea may be included in this series of reports, pending the development of trade. Most of the countries have not been accorded most-favored-nation (MFN) treatment by the United States during the last 25 years. At the present time only Poland, Yugoslavia, and Romania receive MFN treatment from the United States.

In the Tariff Schedules of the United States (TSUS), the unconditional MFN rates are set forth in rate-of-duty column 1. The rates

applicable to products of designated Communist nations or areas are set forth in rate-of-duty column 2; for the most part these rates are the original statutory rates enacted in 1930. The rate policy involved was made effective by action initially taken by the President in 1951 and 1952 pursuant to section 5 of the Trade Agreements Extension Act of 1951, which directed the President as soon as practicable to take such action as was necessary to deny the benefit of trade-agreement concessions to imports from certain Communist nations or areas. An examination of the individual items or rate provisions of the TSUS reveals that the rate discrimination involved varies considerably from item to item and sometimes is not present at all, as where imports from all sources have been historically free of duty or dutiable at the same rates. It is important, therefore, to look at the particular rate treatment in the TSUS when interest is to be focused on the actual or potential trade in specific imports.

This report examines the volume of U.S. imports and exports with each of the non market economy countries and the commodity composition of that trade, as well as the balance of U.S. trade with these countries. Detailed data are included on the most important U.S. imports and exports in trade with each of the nonmarket economy countries. One objective of the analysis of detailed U.S. import data is to identify items produced in the United States with which the imported products compete and to assess the economic impact, if any, of such imports on the relevant U.S. industry and on employment within that industry.

This quarterly report contains a section discussing trade with the NME's in machine tools. This product was selected for inclusion in this report for several reasons: first, machine tools are one of the few products that flow both ways in U.S.-NME trade; second, in the last two years U.S. imports of some types of NME machine tools have grown appreciably; third, the NME market has become very important to U.S. exports of machine tools; finally, machine tools are representative of a whole class of manufactured goods exported to the NME's that confront the joint obstacles of U.S. credit restrictions and Export Administration Act limitations.

First Quarter Developments in Trade Between the  
United States and the Nonmarket Economies

On the strength of expanding exports, U.S. trade with the NME's in the first quarter of 1977 was over \$100 million greater than it was in the previous quarter. However, in comparison with the first quarter of 1976, the trade level was low, over \$150 million less than it was in January-March 1976 (see table 1). The growth in exports to the NME's combined with a slight increase in imports to produce a positive trade balance of \$585 million for the United States in the quarter. The positive trade balance for the United States in its trade with the NME's during the first quarter was much less than the positive trade balance of the first quarter of 1976, but the balance was still substantial. The trade surplus of \$585 million was only \$38 million below the average quarterly surplus of 1976, when the United States experienced a record \$2.5 billion surplus in its NME trade.

The importance of NME trade to the United States in comparison with U.S. trade with the world is shown in the last two rows of table 1. The share of total U.S. exports going to the NME's increased by nearly one-half of a percentage point over the amount for the fourth quarter of 1976, but the share was low in relation to the levels reached in the last quarter of 1975, when almost 5 percent of U.S. exports were going to the NME's. On the import side, the NME share in total U.S. imports continued to slide for the fourth consecutive quarter and now is barely 1 percent of total U.S. imports.

Table 1.--U.S. trade with the world and with nonmarket economies,  
by quarters, 1st quarter 1976 through 1st quarter 1977.

| Item  | (In millions of U.S. dollars) |                       |                       |                        |                        |   |
|---|-------------------------------|-----------------------|-----------------------|------------------------|------------------------|---|
|   | 1st<br>quarter<br>1976        | 2d<br>quarter<br>1976 | 3d<br>quarter<br>1976 | 4th<br>quarter<br>1976 | 1st<br>quarter<br>1977 |   |
|   | :                             | :                     | :                     | :                      | :                      | : |
| U.S. world trade:   | :                             | :                     | :                     | :                      | :                      | : |
| Exports-----:   | 27,333                        | 29,668                | 27,425                | 30,571                 | 29,454                 |   |
| Imports-----:   | 27,332                        | 29,419                | 31,402                | 32,535                 | 34,990                 |   |
| Balance-----:   | +1                            | +249                  | -3,977                | -1,964                 | -5,536                 |   |
| U.S. trade with non-<br>market economies:                     | :                             | :                     | :                     | :                      | :                      |   |
| Exports-----:   | 1,144                         | 1,088                 | 850                   | 852                    | 951                    |   |
| Imports-----:   | 327                           | 372                   | 388                   | 357                    | 366                    |   |
| Balance -----:  | +817                          | +716                  | +462                  | +495                   | +585                   |   |
| Trade turnover<br>(exports plus<br>imports)-----:             | 1,471                         | 1,460                 | 1,238                 | 1,209                  | 1,317                  |   |
| Percent of U.S. total<br>trade with non-<br>market economies: | :                             | :                     | :                     | :                      | :                      |   |
| Exports-----:   | 4.19                          | 3.67                  | 3.10                  | 2.79                   | 3.23                   |   |
| Imports-----:   | 1.20                          | 1.26                  | 1.24                  | 1.10                   | 1.05                   |   |
|   | :                             | :                     | :                     | :                      | :                      |   |

Source: U.S. Department of Commerce publication FT990. Exports are from tables 5 and E-3 and include domestic and foreign merchandise and Defense Department military assistance grant-aid shipments. Imports are from tables 6B and I-4B and are general imports. Both imports and exports valued on an f.a.s. basis.

Agricultural products continue to dominate U.S. exports to the NME's. Although the share of food products (mainly wheat and corn) slipped from 57.9 percent to 44.2 percent of U.S. exports to the NME's (see table 2), this decline was offset by an increase in the share of crude materials shipments, consisting principally of soybeans. For example \$99.5 million of soybeans were exported to the U.S.S.R. in the first three months of 1977 compared with exports of \$124.7 million of this product during all of 1976. The fall in the share of food product exports and rise in the share of crude materials exports were reinforced by price movements. Compared with those in 1976, the unit values of wheat and other food exports were down in the first quarter of 1977, while the unit values of soybean shipments were up considerably. The changes in prices and quantities that produced the shift in the relative shares of food and crude material exports to the NME's were also responsible for the changes in the commodity composition of U.S. exports to the world (see the first two columns of table 2).

The share of "other manufactured goods" in U.S. exports to the NME's during the first quarter of 1977 remained relatively constant at 25.5 percent, compared with 26.4 percent during the corresponding period of 1976. However, since U.S. exports to the NME's were lower in the 1977 period, the absolute amount of shipments of these manufactured products fell considerably, from \$302 million in the first three months of 1976 to \$242 million in the corresponding period of 1977. Most of this decline can be attributed to significantly smaller shipments of

Table 2.--Commodity composition of U.S. trade with the nonmarket economies and with the world  
in January-March 1976 and January-March 1977

(Percentages)

| Item          | Description                          | U.S. trade with world 1/ |         | U.S. trade with NME's 2/ |         |
|---------------|--------------------------------------|--------------------------|---------|--------------------------|---------|
|               |                                      | :Jan.-March :Jan.-March  |         | :Jan.-March :Jan.-March  |         |
|               |                                      | : 1976 : 1977            |         | : 1976 : 1977            |         |
|               |                                      | : : : :                  | : : : : | : : : :                  | : : : : |
| <u>Sch. B</u> |                                      |                          |         |                          |         |
| <u>number</u> | Exports                              |                          |         |                          |         |
|               | : Food, beverages, and tobacco-----: | 15.5                     | 13.6    | 57.9                     | 44.2    |
|               | : Crude materials-----:              | 10.2                     | 13.1    | 7.6                      | 19.1    |
|               | : Mineral fuels and lubricants-----: | 3.2                      | 2.6     | 0.3                      | 1.9     |
|               | : Chemicals-----:                    | 8.6                      | 9.2     | 3.1                      | 4.7     |
|               | : Manufactured goods classified by   | :                        | :       | :                        | :       |
|               | : chief materials-----:              | 10.4                     | 9.8     | 4.7                      | 4.6     |
|               | : Other manufactured goods and       | :                        | :       | :                        | :       |
|               | :      miscellaneous-----:           | 52.1                     | 51.8    | 26.4                     | 25.5    |
|               | : Total 3/------:                    | 100.0                    | 100.0   | 100.0                    | 100.0   |
| <u>Sch. A</u> |                                      |                          |         |                          |         |
| <u>number</u> | Imports                              |                          |         |                          |         |
|               | : Food, beverages, and tobacco-----: | 10.2                     | 10.5    | 24.5                     | 21.1    |
|               | : Crude materials-----:              | 5.8                      | 5.4     | 8.3                      | 7.9     |
|               | : Mineral fuels and lubricants-----: | 28.7                     | 32.7    | 9.8                      | 9.4     |
|               | : Chemicals-----:                    | 3.9                      | 3.8     | 5.0                      | 5.1     |
|               | : Manufactured goods classified by   | :                        | :       | :                        | :       |
|               | : chief materials-----:              | 13.8                     | 13.3    | 25.9                     | 25.5    |
|               | : Other manufactured goods and       | :                        | :       | :                        | :       |
|               | :      miscellaneous-----:           | 37.6                     | 34.4    | 26.5                     | 31.2    |
|               | : Total 3/------:                    | 100.0                    | 100.0   | 100.0                    | 100.0   |

1/ Source: U.S. Department of Commerce publication FT990.

2/ Source: U.S. Department of Commerce, Bureau of East-West Trade.

3/ Totals may not add exactly because of rounding.

machinery and transport equipment to the People's Republic of China, Poland, and the U.S.S.R.

The commodity composition of U.S. imports from the NME's was more stable than that of U.S. exports to the NME's in the first quarter of 1977. The only notable changes were a slight decrease in the importance of food products and a slight increase in the importance of "other manufactured goods." The decrease in importance of food products occurred because imports of ham and frozen fish from Poland and ham and hops from Yugoslavia were lower in the first quarter of 1977 than in the first quarter of 1976. Imports of NME products classified as "other manufactured goods" increased by \$26.5 million in the first quarter of 1977 relative to the amount imported in the corresponding period of 1976. Imports of machine tools from Romania and Yugoslavia; men's and boys' suits from these same two countries; tractors and tractor parts from Hungary, Poland, and Romania; and wooden furniture from Yugoslavia led the import increase in this category.

The commodity composition of total U.S. imports was also relatively constant between the two periods. The category "other manufactured goods" fell slightly in importance while the share of mineral fuels and lubricants, principally petroleum products, grew to nearly one-third of total U.S. imports. In comparison, the share of mineral fuels and lubricants in U.S. imports from the NME's fell slightly to 9.4 percent. These imports consist of petroleum products from Romania and the U.S.S.R., coal from Poland, and montan wax from the German Democratic Republic. In the first quarter of 1977, U.S. imports of mineral fuels

and lubricants from the NME's were valued at \$33.7 million, a relatively insignificant amount compared with the \$11.4 billion of these products imported by the U.S. from the world.

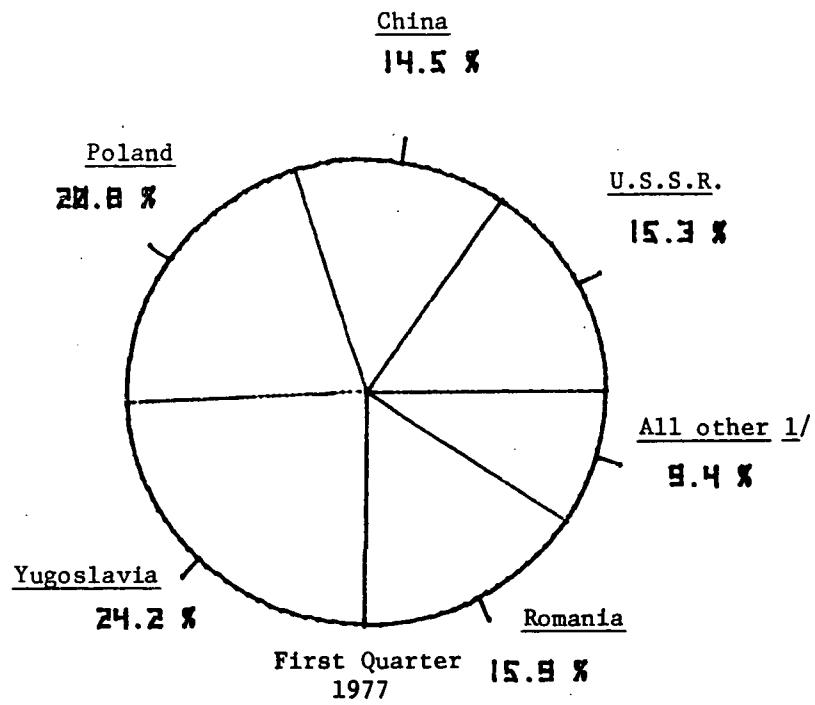
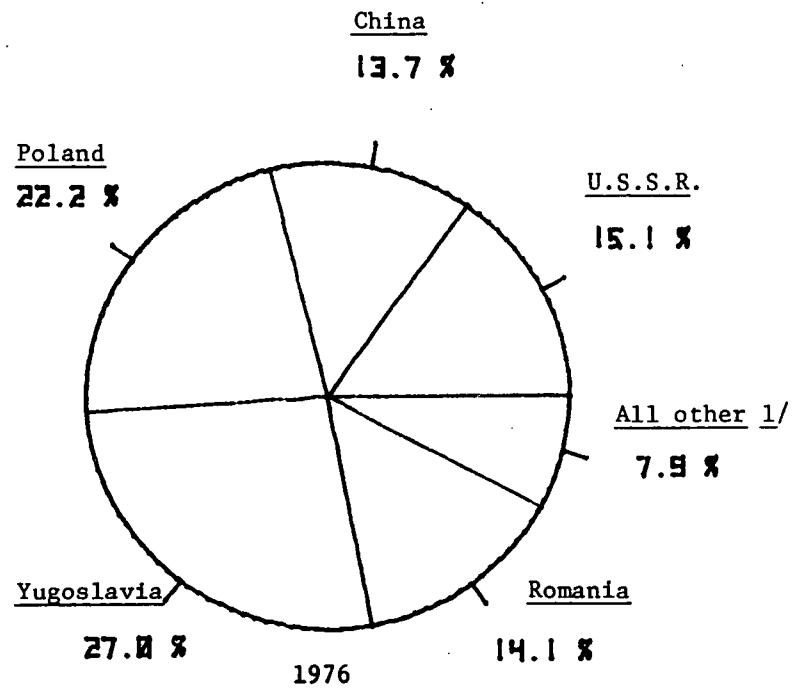
Figure 1 shows the country distribution of U.S. imports from the NME's. The figure compares U.S. imports in the first quarter with imports during all of 1976. Imports from the U.S.S.R., China, Romania, and the "all other" category increased in relative importance compared with imports from Poland and Yugoslavia. Also, figure 1 shows that imports from Poland, Yugoslavia, and Romania--the three NME countries receiving MFN treatment from the U.S.--dominate U.S. imports from the NME's with 61 percent of these imports. China and the U.S.S.R., the two giants among the NME's, account for 30 percent.

Figure 1 was derived from the data given in table 3. This table shows U.S. imports from the individual NME's. In the January-March 1977 period U.S. imports from the NME's were 11.5 percent greater than in the corresponding period of 1976. The 11.5-percent increase, while large, is not nearly as great as the 29-percent increase in U.S. imports from the world in the same period. Larger shipments from the U.S.S.R., Romania, and China accounted for most of the \$37 million increase in imports from the NME's. Petroleum products, diamonds, and platinum-group metals were the products that led the increase in U.S. imports from the U.S.S.R. in the first quarter. 1/ From Romania, greater U.S. imports of footwear, clothing, and machinery were mainly responsible

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1/ See the detailed import and export tables in the appendix.

Figure 1.--Relative shares of U.S. imports from the nonmarket economy countries in 1976 and the first quarter of 1977.



1/ Czechoslovakia, German Democratic Republic, Hungary, Bulgaria, Albania, Cuba, and Mongolia.

Source: Based on data in table 3.

Note.--Percentages may not add to exactly 100, because of rounding.

Table 3.--U.S. imports from the individual nonmarket economies in 1974, 1975, 1976,  
1st quarter 1976, and 1st quarter 1977 1/

| Country   | (In thousands of U.S. dollars) |            |             |                        |                        |  |
|---|--------------------------------|------------|-------------|------------------------|------------------------|--|
|   | 1974                           | 1975       | 1976        | 1st<br>quarter<br>1976 | 1st<br>quarter<br>1977 |  |
|   | :                              | :          | :           | 1976                   | 1977                   |  |
| U.S.S.R-----:                                     | 334,020                        | 242,411    | 214,556     | 42,693                 | 55,020                 |  |
| People's Republic of China-----:                  | 105,756                        | 156,271    | 194,649     | 47,065                 | 52,073                 |  |
| Poland-----:                                      | 263,173                        | 241,297    | 314,436     | 76,280                 | 74,649                 |  |
| Yugoslavia-----:                                  | 261,683                        | 248,887    | 383,099     | 83,493                 | 86,759                 |  |
| Romania-----:                                     | 125,820                        | 135,057    | 200,118     | 46,494                 | 56,982                 |  |
| Czechoslovakia-----:                              | 43,852                         | 35,567     | 34,802      | 7,880                  | 9,278                  |  |
| German Democratic Republic-----:                  | 13,377                         | 9,996      | 13,421      | 3,348                  | 4,248                  |  |
| Hungary-----:                                     | 74,063                         | 34,966     | 47,559      | 12,339                 | 14,463                 |  |
| Bulgaria-----:                                    | 4,374                          | 4,785      | 11,231      | 1,938                  | 4,906                  |  |
| Albania-----:                                     | 484                            | 2,824      | 2,544       | 201                    | 150                    |  |
| Cuba-----:  | 2                              | 3          | 27          | -                      | 104                    |  |
| People's Republic of Mongolia---:                 | 1,360                          | 1,646      | 2,252       | 644                    | 537                    |  |
| Total 2/-----:                                    | 1,227,963                      | 1,113,711  | 1,418,694   | 322,375                | 359,171                |  |
| Total U.S. imports from<br>all countries 2/-----: | 100,125,800                    | 96,515,103 | 121,120,869 | 27,188,884             | 35,100,475             |  |

1/ Imports for consumption.

2/ These figures do not agree exactly with the import figures in table 1 because these figures are imports for consumption, whereas the import figures in table 1 are general imports.

Source: Bureau of East-West Trade, U.S. Department of Commerce.

for the \$11 million jump in imports. The \$5 million increase in imports from China was led by feathers and down, bristles, fireworks, bamboo baskets, and floor coverings.

On the export side, table 4 shows that U.S. shipments to the NME's were \$194 million less in the first quarter of 1977 than in the corresponding quarter of 1976, a 26 percent decline. Much lower exports to the U.S.S.R., China, Poland, and Bulgaria were responsible for the decline. Table 5, which shows U.S. grain exports to the NME's, quite vividly demonstrates that reduced grain shipments in the first quarter of 1977, compared with the first quarter of 1976, largely explain the decline. Every NME in the table except Czechoslovakia and the GDR received far less U.S. grain in the first quarter of 1977.

The United States exported more to four NME's in the opening quarter of 1977 than in the corresponding period of 1976. Exports to Yugoslavia increased by \$24 million on the strength of larger shipments of soybeans, machinery, cattle hides, and chemical products. Romania's increased imports from the United States included larger amounts of coal, cattle hides, and cotton. Corn was the product that led the increase in exports to both Czechoslovakia and the GDR.

Figure 2 shows the distribution of U.S. exports among the several NME countries in this report. In the first quarter of 1977, as in all of 1976, the huge amount of agricultural exports to the Soviet Union result in that country's accounting for more U.S. exports than all other NME's combined. On the other hand, China received only 2 percent

Table 4.--U.S. exports to the individual nonmarket economies in  
1974, 1975, 1976, 1st quarter 1976, and 1st quarter 1977

(In thousands of U.S. dollars)

| Country                                 | 1974       | 1975        | 1976        | 1st quarter<br>1976 | 1st quarter<br>1977 |
|---|------------|-------------|-------------|---------------------|---------------------|
| U.S.S.R.                                | 611,888    | 1,832,607   | 2,305,934   | 740,336             | 599,061             |
| People's Republic of China              | 820,480    | 303,631     | 135,388     | 85,418              | 19,065              |
| Poland                                  | 394,588    | 580,084     | 621,035     | 146,551             | 118,765             |
| Yugoslavia                              | 309,793    | 323,499     | 295,413     | 63,957              | 87,567              |
| Romania                                 | 277,116    | 189,278     | 249,033     | 43,042              | 64,282              |
| Czechoslovakia                          | 48,582     | 52,900      | 147,466     | 20,648              | 28,347              |
| German Democratic Republic              | 20,882     | 17,179      | 64,767      | 5,819               | 13,376              |
| Hungary                                 | 56,172     | 76,052      | 62,960      | 19,394              | 12,078              |
| Bulgaria                                | 21,965     | 29,298      | 43,320      | 17,419              | 6,123               |
| Albania                                 | 485        | 663         | 1,076       | 480                 | 272                 |
| Cuba                                    | 71         | 35          | 89          | 60                  | 234                 |
| People's Republic of Mongolia           | 9          | 43          | 31          | 6                   | 3                   |
| Total 1/                                | 2,562,031  | 3,405,268   | 3,926,512   | 1,143,130           | 949,173             |
| Total, U.S. exports to all countries 1/ | 97,143,449 | 106,156,726 | 113,323,145 | 26,992,752          | 28,967,244          |

<sup>1/</sup> These figures do not correspond exactly to those given in table 1 because export figures in table 1 include U.S. exports of foreign merchandise, whereas figures in this table do not. Also, in the case of total U.S. exports, figures in this table include Department of Defense military assistance shipments, whereas corresponding figures in table 1 do not include these shipments. Exports are valued on an f.a.s. basis.

Source: Bureau of East-West Trade, U.S. Department of Commerce.

Table 5 .--U.S. exports of cereals and cereal preparations to the nonmarket economies and to the world in 1975, 1976, 1st quarter 1976, and 1st quarter 1977 1/

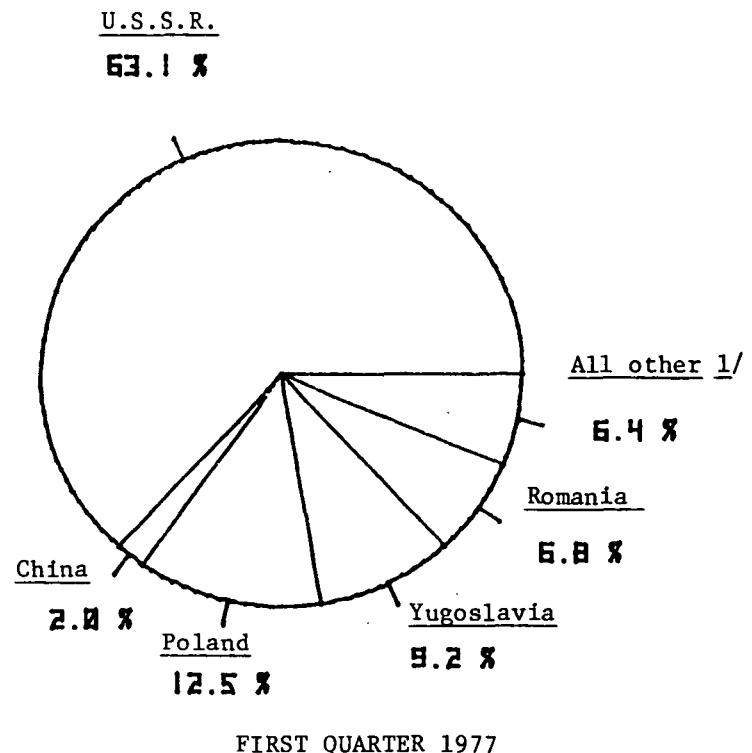
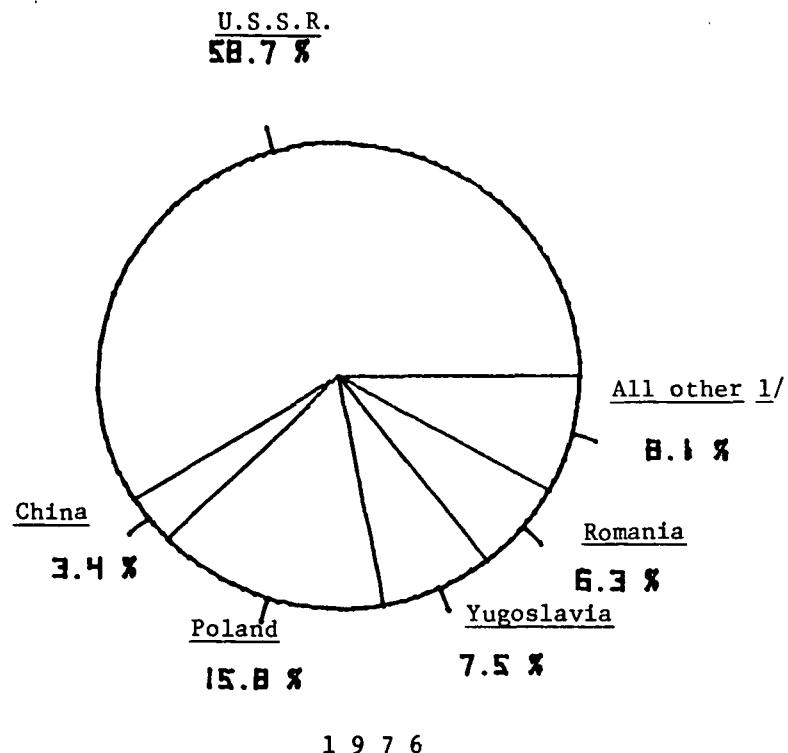
| Country   | 1975              | 1976              | 1st<br>quarter<br>1976 | 1st<br>quarter<br>1977 |
|---|-------------------|-------------------|------------------------|------------------------|
| Bulgaria-----:  | 14,780            | 28,455            | 12,555                 | 42                     |
| Czechoslovakia-----:  | 62                | 69,680            | 4,004                  | 8,845                  |
| German Democratic Republic-----:  | 6,816             | 48,742            | 3,803                  | 11,510                 |
| Hungary-----:   | 92                | 411               | 269                    | 64                     |
| Poland-----:  | 255,243           | 346,737           | 82,841                 | 32,139                 |
| Romania-----:   | 73,716            | 74,039            | 6,307                  | 3,551                  |
| U.S.S.R-----:   | 1,105,488         | 1,346,938         | 508,115                | 284,047                |
| Yugoslavia-----:  | 42                | 155               | 139                    | 64                     |
| Total-----:   | 1,456,239         | 1,915,157         | 618,003                | 340,262                |
| Total U.S. cereal exports to<br>the world-----:   | <u>11,643,083</u> | <u>19,910,926</u> | <u>2,677,118</u>       | <u>2,222,888</u>       |
| U.S. exports of cereals to the non-<br>market economies as a percent of<br>total cereal exports-----: | 12.5              | 17.6              | 23.1                   | 15.3                   |

1/ Based on Schedule B, division 04.

Source: U.S. Department of Commerce publication FT410 and Bureau of East-West Trade, U.S. Department of Commerce.

Figure 2.--Relative shares of U.S. exports to the nonmarket economy countries in 1976 and the first quarter of 1977

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1/ Czechoslovakia, German Democratic Republic, Hungary, Bulgaria, Albania, Cuba, and Mongolia.

Source: Based on data in table 4.

Note.--Percentages may not add to exactly 100, because of rounding.

of U.S. exports to the NME's, a share less than that of the U.S.S.R., Yugoslavia, Poland, Romania, or Czechoslovakia.

During the first quarter of 1977 and in more recent weeks there were several developments that may have some impact, either directly or indirectly, on the U.S.-NME commercial relations. Most tragically, a severe earthquake struck Romania on March 4 causing the loss of over 1,000 lives and extensive damage to the country's industry, especially in Bucharest and Ploesti. The damage estimate was nearly \$1 billion. In Ploesti petroleum, chemical, and petrochemical operations were disrupted. The earthquake marked the third time this decade that natural catastrophes have beset the country. In 1970 and 1975 floods caused considerable damage.

Delegates from the U.S.S.R. and the United States met in Washington in mid-June at sessions of the Joint U.S.-U.S.S.R. Commercial Commission and the U.S.-U.S.S.R. Trade and Economic Council. The Soviets used the occasion to express their displeasure once again about U.S. trade and credit restraints.

Early estimates of the 1977 Soviet grain crop indicate that the U.S.S.R. may well experience its second successive good harvest. Assuming that the harvest is good, the U.S.S.R. is not expected to purchase more than 6 million tons of U.S. grain for delivery in 1977-78, that is, the minimum amount agreed upon in the long term U.S.-U.S.S.R. grain agreement.

In a decision that may have some bearing on future sales of high-technology items to the Soviet Union, the Office of Export Administration, U.S. Department of Commerce, turned down a request by a

U.S. electronics manufacturer that would have allowed the company to sell a sophisticated computer to the U.S.S.R. The computer was to have been used by the Soviets in their weather monitoring programs, and proponents of the sale had claimed that no strategic application of the machine would be made.

Finally, in a dispute possibly involving future U.S. energy policy, there were rebuttals to a study by the U.S. Central Intelligence Agency that concluded that the Soviet Union would be a major oil importer by 1985. The U.S.S.R. is now among the world's leading petroleum exporters and supplies Eastern and Western Europe with a large share of their petroleum needs. Some observers claimed that it was unrealistic to assume that the Soviet Union will change from being a major exporter to being a major importer by 1985, as was suggested by the CIA study.

There were further indications during the first quarter that the People's Republic of China was taking a more positive approach to economic development and foreign trade. In a major conference on industry the Chinese leadership stressed the theme of growth, relegating ideology to a lesser role. Also during the quarter the announcement was made that China and Japan had reached an agreement to last 5 to 10 years. Under the terms of the agreement the PRC would ship oil (70 million barrels per year) and coal to Japan in payment for Japanese steel and machinery. The value of the oil and coal shipments was estimated to be in the neighborhood of \$1 billion per year.

In late 1976, the PRC announced that drought conditions were threatening the winter wheat crop in several sections of the country. By spring the Chinese reported that irrigation efforts and timely rains had saved most of the crop. Before the positive reports were made, however, the Chinese had purchased 5 million metric tons of grain for delivery in 1977, 3 million tons more than they purchased in 1976. Some observers, skeptical of the severity of the reported drought, speculated that the Chinese had purchased the grain, at prevailing low world prices, to add to Chinese stocks.

United States firms exhibited for the second time at the Leipzig Spring Fair in the GDR. Also, the first plenary session of the U.S.-GDR Joint Economic Council met in Washington in mid-June. These two events are exemplary of the efforts being made to improve commercial relations between the two countries.

Finally, there were positive diplomatic developments between the United States and two NME's with which the United States does not have trade relations--Vietnam and Cuba. U.S. trade with these countries is now banned, and several important obstacles remain before trade can begin. The talks that have been held were significant, however, in that they marked a beginning of a new attitude that may eventually culminate in the restoration of commercial relations.

Table 6.--Commodity composition of U.S. imports from the nonmarket economies in the first quarter of 1977

(In thousands of U.S. dollars)

| SITC commodity code No. | Description  | Albania | Bulgaria | Cuba | Czecho-slovakia | German Democratic Republic | People's Republic of China | People's Republic of Mongolia | Hungary | Rep. of Poland | Romania | U.S.S.R. | Yugo-slavia | Total 1/ |
|-------------------------|--|---------|----------|------|-----------------|----------------------------|----------------------------|-------------------------------|---------|----------------|---------|----------|-------------|----------|
| 0                       | Food and live animals---                                   | 0       | 497      | 0    | 1,870           | 0                          | 5,600                      | 6,830                         | 0       | 33,014         | 5,689   | 115      | 12,309      | 65,924   |
| 1                       | Beverages and tobacco---                                   | 0       | 3,682    | 0    | 71              | 0                          | 190                        | 28                            | 0       | 147            | 39      | 262      | 5,278       | 9,697    |
| 2                       | Crude material--in-edible, except fuel---                  | 116     | 63       | 0    | 125             | 729                        | 66                         | 10,904                        | 537     | 2,039          | 1,000   | 10,082   | 2,034       | 27,695   |
| 3                       | Mineral fuels, lubricants, etc.-----                       | 0       | 0        | 0    | 0               | 30                         | 0                          | 1                             | 0       | 574            | 16,951  | 16,174   | 0           | 33,730   |
| 4                       | Oils and fats--animal and vegetable-----                   | 0       | 0        | 0    | 0               | 0                          | 0                          | 19                            | 0       | 455            | 0       | 2        | 1           | 475      |
| 5                       | Chemicals-----   | 0       | 253      | 104  | 309             | 451                        | 1,056                      | 4,594                         | 0       | 6,224          | 1,513   | 1,097    | 2,574       | 18,175   |
| 6                       | Manufactured goods, classified by chief material-----      | 0       | 32       | 0    | 2,604           | 1,114                      | 1,689                      | 14,524                        | 0       | 12,174         | 6,385   | 25,020   | 28,100      | 91,642   |
| 7                       | Machinery and transport equipment-----                     | 35      | 69       | 0    | 1,693           | 1,184                      | 4,551                      | 321                           | 0       | 5,341          | 6,626   | 678      | 6,385       | 26,883   |
| 8                       | Miscellaneous manufactured articles-----                   | 0       | 14       | 2    | 2,485           | 701                        | 1,289                      | 14,531                        | 0       | 14,502         | 18,760  | 1,314    | 29,491      | 83,087   |
| 9                       | Commodities and transactions not elsewhere classified----- | 0       | 296      | 0    | 120             | 40                         | 23                         | 321                           | 0       | 179            | 20      | 277      | 586         | 1,862    |
|                         | Total 1/-----  | 150     | 4,906    | 105  | 9,278           | 4,248                      | 14,464                     | 52,073                        | 537     | 74,649         | 56,982  | 55,020   | 86,759      | 359,171  |

1/ Totals may not add exactly because of rounding.

2 - Less than \$500.

Source: Bureau of East-West Trade, U.S. Department of Commerce.

Table 7.--Commodity composition of U.S. exports to the nonmarket economies in the first quarter of 1977

(In thousands of U.S. dollars)

| SITC<br>commodity<br>code No. | Description              | Albania | Bulgaria | Cuba | Czecho-<br>slovakia | German<br>Republic | People's<br>Republic<br>of China | People's<br>Republic<br>of Mongolia | Poland | Romania | U.S.S.R. | Yugo-<br>slavia | Total<br><u>1/</u> |         |
|-------------------------------|--------------------------|---------|----------|------|---------------------|--------------------|----------------------------------|-------------------------------------|--------|---------|----------|-----------------|--------------------|---------|
| 0                             | Food and live animals--- | 0       | 42       | 0    | 15,466              | 11,655             | 3,506                            | 0                                   | 0      | 70,749  | 6,334    | 297,067         | 4,928              | 409,747 |
| 1                             | Beverages and tobacco--- | 0       | 0        | 0    | 1,662               | 0                  | 0                                | 0                                   | 0      | 7,038   | 0        | 473             | 832                | 10,005  |
| 2                             | Crude material--in-      |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | edible, except fuel---   | 270     | 671      | 4    | 7,401               | 770                | 2,198                            | 1,691                               | 0      | 14,855  | 34,362   | 104,822         | 12,612             | 179,656 |
| 3                             | Mineral fuels, lubri-    |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | cants, etc.-----         | 0       | 0        | 0    | 9                   | 0                  | 0                                | 63                                  | 0      | 50      | 11,466   | 4,169           | 2,274              | 18,031  |
| 4                             | Oils and fats--animal    |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | and vegetable-----       | 0       | 0        | 0    | 0                   | 0                  | 0                                | 0                                   | 0      | 1,901   | 0        | 87              | 0                  | 1,988   |
| 5                             | Chemicals-----           | 1       | 499      | 186  | 883                 | 91                 | 203                              | 4,866                               | 2      | 4,782   | 3,493    | 21,175          | 8,520              | 44,701  |
| 6                             | Manufactured goods,      |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | classified by chief      |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | material-----            | 0       | 252      | 11   | 801                 | 396                | 441                              | 91                                  | 0      | 1,981   | 1,009    | 32,201          | 6,318              | 43,501  |
| 7                             | Machinery and trans-     |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | port equipment-----      | 0       | 4,413    | 24   | 1,573               | 412                | 5,254                            | 12,174                              | 1      | 15,467  | 6,362    | 130,225         | 49,485             | 225,390 |
| 8                             | Miscellaneous manu-      |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | factured articles-----   | 1       | 234      | 9    | 448                 | 47                 | 463                              | 179                                 | 0      | 1,611   | 1,079    | 8,613           | 2,367              | 15,051  |
| 9                             | Commodities and trans-   |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | actions not elsewhere    |         |          |      |                     |                    |                                  |                                     |        |         |          |                 |                    |         |
|                               | classified-----          | 0       | 12       | 0    | 105                 | 6                  | 13                               | 2                                   | 0      | 330     | 177      | 229             | 231                | 1,105   |
|                               | Total <u>1/</u> -----    | 272     | 6,123    | 234  | 28,347              | 13,377             | 12,078                           | 19,065                              | 3      | 118,765 | 64,282   | 599,061         | 87,567             | 949,173 |

1/ Totals may not add exactly because of rounding.

Source: Bureau of East-West Trade, U.S. Department of Commerce.

Trade in Machine Tools Between the United States  
and the Nonmarket Economies

Machine tools constitute one of the few manufactured products in which there is two-way trade between the United States and the non-market economy countries. This generalization applies to the NME's as a group since a few of the countries are quite substantial producers of machine tools and import virtually no machine tools from the United States. The nonmarket economy countries as a group produced over 28 percent of the world's machine tools in 1975. Generally, these countries produce standard, general-purpose machine tools. They tend to buy the more sophisticated, specialized machine tools from abroad. There has been some attempt within the CEMA 1/ bloc to have each country produce different types of machine tools. Theoretically, intra-bloc trade would keep each country supplied with a variety of machine tools. In practice, there has been no mass movement to country specialization.

The data on NME machine tool production and trade are rather rough, reflecting the difficulty in working with nonconvertible NME currencies such as the ruble. Data for this report were collected from three sources: official U.S. Government statistics, OECD data, and statistics compiled by the National Machine Tool Builders' Association. The National Machine Tool Builders' Association, noting that it is difficult to determine the real equivalent exchange rates for controlled currencies, used the official conversion rates for its data. Free-market rates would probably lower the actual values. All three sources show slightly different values based on their method of collecting and converting data.

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1/ The Council of Mutual Economic Assistance include the U.S.S.R., Poland, Hungary, GDR, Bulgaria, Romania, Czechoslovakia, Mongolia, and Cuba.

Neither is it possible to compare production and trade statistics by quantity. Even at the detailed 7-digit level of statistics, the machine tools in each category are so heterogeneous as to make meaningful comparisons impossible. For this reason, very little of this report deals with prices or unit values.

Machine tools are "power driven machines, not portable by hand, used to shape or form metal by cutting, impact, pressure, electrical techniques, or a combination of these processes." 1/ There are three different types of machine tools. Metal-cutting machine tools shape metallic parts to size and contour by cutting away unwanted parts. This group includes boring, drilling, gear-cutting and finishing, grinding and polishing, lathes, and milling machines. Metal-forming machine tools include machines that do not make chips, but produce desired shapes by shearing, bending, forming, hammering, squeezing, or distorting the metal to the desired contour. The third group of machine tools shapes metal into design configurations through the use of chemicals, electricity, magnetism, liquids, sound, light, gunpowder and other advanced techniques.

In the 1950's, numerically controlled (NC) machine tools were introduced, but did not begin to be utilized on a wide scale until the mid-1960's. Numerical control automates machine tools, making it possible to switch them quickly from one job to another simply by

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1/ Definition of the American Machine Tool Builders' Association.

changing a tape or other control input. Numerical control has allowed small machine shops to maintain production economies through the manufacture of limited quantities of a wide range of metal products.

In addition, with numerical control, new alloys can be shaped and fashioned into complex curves, channels, and contours, unattainable by any other method.

Table 8 shows production and trade data for 6 major Western industrialized machine-tool producers and 9 nonmarket economy countries. This table is based on statistics of the National Machine Tool Builders' Association. In 1975, the United States, for the first time in over 5 years, surpassed West Germany<sup>1/</sup> as the leading machine-tool producer, accounting for 18.0 percent of total world production. West Germany, with 17.6 percent of total world production, ranked second, with the Soviet Union in third place with 14.5 percent. West Germany remained the largest exporter of machine tools, exporting 75.5 percent of total production. The United States, in contrast, exported 23.2 percent of its production, while the Soviet Union exported 9.5 percent. On the import side, the Soviet Union held the lead in 1975, importing \$490.0 million from all sources. Poland ranked second, importing \$401.4 million of machine tools.

Machine-tool consumption is equal to domestic production plus imports and minus exports. In 1976 the top five machine-tool consumers were: the Soviet Union, the United States, West Germany, Japan, and

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1/ The Federal Republic of Germany.

Table 8.--Machine Tool Production and Trade, 1974 and 1975, in Nonmarket Economy Countries, and Selected Industrial Countries

(Millions of U.S. dollars)

| Country                           | Production |            | Trade     |           |           |           |
|-----------------------------------|------------|------------|-----------|-----------|-----------|-----------|
|                                   |            |            | Export    |           | Import    |           |
|                                   | 1974       | 1975       | 1974      | 1975      | 1974      | 1975      |
| United States-----:               | \$2,144.0  | \$2,451.7  | 410.5     | 567.6     | \$270.8   | \$317.6   |
| Federal Republic of Germany-----: | 2,265.2    | 2,403.6    | 1,626.6   | 1,814.3   | 194.6     | 219.7     |
| Soviet Union-----:                | 1,849.3    | 1,984.4    | 160.4     | 187.8     | 365.0     | 490.0     |
| Japan-----:                       | 1,659.7    | 1,060.4    | 311.1     | 359.1     | 178.1     | 123.3     |
| Italy-----:                       | 789.3      | 873.1      | 317.2     | 431.3     | 253.7     | 211.7     |
| France-----:                      | 549.3      | 678.6      | 236.4     | 319.4     | 293.5     | 336.2     |
| United Kingdom-----:              | 502.7      | 728.3      | 218.5     | 363.0     | 208.2     | 253.3     |
| German Democratic Republic-----:  | 506.5      | 585.2      | 390.0     | 507.8     | 128.0     | 191.4     |
| Poland-----:                      | 353.8      | 422.8      | 109.3     | 125.8     | 294.9     | 401.4     |
| Czechoslovakia-----:              | 292.7      | 305.4      | 152.3     | 190.5     | 97.7      | 129.8     |
| People's Republic of China-----:  | 140.0      | 300.0      | 3.0       | 4.0       | 35.0      | 55.0      |
| Yugoslavia-----:                  | 86.0       | 69.0       | 18.0      | 31.5      | 66.0      | 103.5     |
| Hungary-----:                     | 59.0       | 50.0       | 50.1      | 46.5      | 38.2      | 50.4      |
| Bulgaria-----:                    | 27.3       | 25.5       | 17.5      | 4.7       | 35.0      | 5.4       |
| Romania-----:                     | 20.0       | 106.0      | 5.0       | 25.0      | 30.0      | 30.0      |
| Total 1/-----:                    | \$12,656.3 | \$13,644.1 | \$4,895.3 | \$5,897.2 | \$3,839.3 | \$4,449.7 |
|                                   | :          | :          | :         | :         | :         | :         |

1/ Total includes production and trade in all countries, not just those listed.

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Source: 1976-77 Economic Handbook of the Machine Tool Industry,  
American Machinist, February 1977.

Poland. The PRC ranked ninth, the GDR, tenth, and Czechoslovakia, eleventh. 1/

The United States exported \$68.1 million of machine tools to the nonmarket economy countries in 1976. This accounted for 12.5 percent of total machine-tool exports (see table 9). U.S. exports of machine tools to nonmarket economies were 6.8 percent of total U.S. exports of machinery and transport equipment (Schedule A, group 7) to these countries in 1976. The biggest recipient of these machine tools was the Soviet Union, which imported \$48.1 million of U.S. machine tools. Poland ranked second, importing \$13.4 million of U.S. machine tools.

The United States imported \$16.1 million of machine tools from the nonmarket economy countries in 1976 (see table 10). Total U.S. imports of machine tools were \$318.3 million, giving the nonmarket economies a 5.1-percent share of the U.S. import market. U.S. imports of nonmarket economy machine tools accounted for 17.9 percent of machinery and transport equipment from the NME's in 1976. Czechoslovakia was the largest NME supplier of machine tools, exporting 3.5 million dollars' worth to the United States in 1976. Romania and Yugoslavia ranked second and third, respectively.

Table 11 shows OECD data for 1975 on imports from and exports to the nonmarket economies by 23 OECD nations (including Yugoslavia).

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1/ American Machinist, February 1977.

Table 9.--U.S. exports of machine tools to the NME's in 1975, 1976, and January-March 1977

| Country                              | 1975     |                 | 1976     |                 | January-March<br>1977 |                 |
|--------------------------------------|----------|-----------------|----------|-----------------|-----------------------|-----------------|
|                                      | Quantity | Value           | Quantity | Value           | Quantity              | Value           |
|                                      | (Units)  | (1,000 dollars) | (Units)  | (1,000 dollars) | (Units)               | (1,000 dollars) |
| U.S.S.R.                             | 675      | 89,055          | 506      | 48,109          | 155                   | 19,920          |
| People's Republic of China           | 19       | 2,782           | 22       | 2,097           | 0                     | 0               |
| Poland                               | 76       | 7,870           | 74       | 13,444          | 13                    | 1,590           |
| Yugoslavia                           | 84       | 1,529           | 67       | 2,197           | 42                    | 54              |
| Romania                              | 20       | 1,945           | 13       | 1,635           | 1                     | 190             |
| Czechoslovakia                       | 3        | 16              | 7        | 469             | 1                     | 291             |
| German Democratic Republic           | 0        | 0               | 0        | 0               | 0                     | 0               |
| Hungary                              | 8        | 63              | 1        | 166             | 2                     | 484             |
| Bulgaria                             | 4        | 347             | 1        | 7               | 0                     | 0               |
| Albania                              | 0        | 0               | 0        | 0               | 0                     | 0               |
| Cuba                                 | 0        | 0               | 0        | 0               | 0                     | 0               |
| People's Republic of Mongolia        | 0        | 0               | 0        | 0               | 0                     | 0               |
| Total                                | 889      | 103,607         | 691      | 68,124          | 214                   | 22,529          |
| Total, U.S. exports to all countries | 86,975   | 567,643         | 137,213  | 546,536         | 44,466                | 114,387         |

Source: U.S. Department of Commerce microfilm EQ-629.

Table 10.--U.S. imports of machine tools from the nonmarket economies in 1975, 1976, and January-March 1977

| Country                                | 1975                |            | 1976                |            | January-March<br>1977 |            |
|--|---------------------|------------|---------------------|------------|-----------------------|------------|
|  | Quantity            | Value      | Quantity            | Value      | Quantity              | Value      |
|  | (1,000<br>: (Units) | : dollars) | (1,000<br>: (Units) | : dollars) | (1,000<br>: (Units)   | : dollars) |
| U.S.S.R.                               | 20                  | 794        | 61                  | 1,834      | 14                    | 338        |
| People's Republic of China             | 51                  | 111        | 81                  | 221        | 29                    | 236        |
| Poland                                 | 212                 | 2,199      | 227                 | 2,833      | 203                   | 1,034      |
| Yugoslavia                             | 179                 | 1,650      | 274                 | 3,205      | 151                   | 1,653      |
| Romania                                | 30                  | 717        | 208                 | 3,451      | 115                   | 1,354      |
| Czechoslovakia                         | 221                 | 2,762      | 341                 | 3,516      | 75                    | 710        |
| German Democratic Republic             | 31                  | 554        | 51                  | 807        | 15                    | 199        |
| Hungary                                | 5                   | 96         | 7                   | 77         | 1                     | 17         |
| Bulgaria                               | 16                  | 69         | 45                  | 162        | 5                     | 16         |
| Albania                                | 0                   | 0          | 0                   | 0          | 0                     | 0          |
| Cuba                                   | 0                   | 0          | 0                   | 0          | 0                     | 0          |
| People's Republic of Mongolia          | 0                   | 0          | 0                   | 0          | 0                     | 0          |
| Total                                  | 765                 | 8,952      | 1,295               | 16,106     | 608                   | 5,557      |
| Total, U.S. imports from all countries | 56,362              | 317,578    | 151,714             | 318,304    | 44,586                | 93,517     |

Source: U.S. Department of Commerce Microfilm IM-146.

Table 11.--O.E.C.D. machine tool trade with NME's in 1975

(In millions of U.S. dollars)

| Country                         | Imports from (c.i.f.) |          |     |               | Exports to (f.o.b.) |          |      |               |
|---------------------------------|-----------------------|----------|-----|---------------|---------------------|----------|------|---------------|
|                                 | Eastern Europe        | U.S.S.R. | PRC | Other Asia 1/ | Eastern Europe      | U.S.S.R. | PRC  | Other Asia 1/ |
|                                 | :                     | :        | :   | :             | :                   | :        | :    | :             |
| Canada-----:                    | 10.4                  | 1.9      | 0.4 | -             | 0.1                 | 2.2      | -    | -             |
| Austria-----:                   | 4.1                   | 0.3      | -   | -             | 11.6                | 11.0     | 0.1  | 2.9           |
| France-----:                    | 10.9                  | 6.4      | -   | -             | 37.6                | 52.7     | 0.3  | 7.8           |
| Norway-----:                    | 5.7                   | 3.1      | -   | -             | -                   | -        | -    | -             |
| United Kingdom-----:            | 16.3                  | 3.7      | -   | -             | 32.7                | 13.0     | 2.6  | -             |
| Sweden-----:                    | 10.3                  | 3.7      | -   | -             | 12.7                | 13.0     | 1.1  | 0.2           |
| Switzerland-----:               | 1.4                   | 0.6      | -   | -             | 68.9                | 65.3     | 13.7 | 4.4           |
| Japan-----:                     | 7.9                   | 3.0      | -   | -             | 9.7                 | 29.0     | 21.0 | 4.7           |
| Belgium-Luxembourg-----:        | 3.0                   | 0.2      | -   | -             | 10.0                | 3.3      | 2.1  | -             |
| Finland-----:                   | 7.8                   | 1.8      | -   | 0.1           | 0.2                 | 0.4      | -    | -             |
| United States-----:             | 9.7                   | 0.8      | 0.1 | -             | 11.8                | 89.1     | 4.7  | -             |
| Denmark-----:                   | 2.4                   | 0.7      | -   | -             | 1.8                 | 0.1      | -    | -             |
| Federal Republic of Germany---: | 11.3                  | 2.0      | -   | -             | 184.2               | 224.0    | 23.6 | 11.0          |
| Italy-----:                     | 12.6                  | 5.7      | -   | -             | 43.8                | 43.6     | 4.3  | 1.6           |
| Greece-----:                    | 4.9                   | 1.1      | 0.1 | -             | -                   | -        | -    | -             |
| Iceland-----:                   | 0.02                  | 0.01     | -   | -             | -                   | -        | -    | -             |
| Portugal-----:                  | 0.6                   | -        | -   | -             | -                   | -        | -    | -             |
| Spain-----:                     | 5.1                   | 0.6      | -   | -             | 4.4                 | -        | -    | -             |
| Yugoslavia-----:                | 2/ 12.2               | 8.1      | -   | -             | 2/ 9.7              | 10.9     | -    | -             |
| Australia-----:                 | 1.6                   | 0.7      | 0.1 | -             | -                   | 0.1      | -    | -             |
| Ireland-----:                   | .2                    | -        | -   | -             | -                   | -        | -    | -             |
| Netherlands-----:               | 3.1                   | 0.4      | 0.1 | -             | 7.7                 | 3.7      | 0.1  | 0.2           |
| Turkey-----:                    | 6.8                   | 3.0      | -   | -             | -                   | -        | -    | -             |

1/ North Korea, North Vietnam, Mongolia.

2/ Excluding Yugoslavia.

In 1975 the United Kingdom was the largest importer of machine tools from Eastern Europe. Other OECD countries importing a substantial amount of machine tools from Eastern Europe were Italy, Yugoslavia, and West Germany. In 1975, the largest OECD importer of Soviet machine tools was Yugoslavia, followed by France and Italy. The only OECD importer of any significant amount of machine tools from the PRC was Canada.

The leading exporters of machine tools to Eastern Europe were West Germany, Switzerland and Italy. West Germany held a commanding lead in exports to the U.S.S.R., with shipments valued at \$224.0 million in 1975. The United States, with exports of \$89.1 million placed second, followed by Switzerland, France and Italy. West Germany led in exports to the PRC in 1975, with Japan running a close second. OECD exporters to other nonmarket economies in Asia include West Germany, France, Japan, and Switzerland.

Table 12 shows that total U.S. exports of machine tools to the world increased every year from \$260.0 million in 1972 to \$567.9 million in 1975 but decreased slightly in 1976 to \$546.5 million. Between 1975 and 1976, however, the quantity of exports increased from 86,975 units to 137,213 units (see table 9). The reason for this development is that U.S. machine-tool builders are beginning to compete more effectively with low-priced foreign products and are starting to regain foreign markets lost in the 1960's. Markets for simpler machine tools were lost when U.S. machine-tool builders discontinued making them,

Table 12.--U.S. exports of machine tools to the nonmarket economies, 1972-1976

(In thousands of U.S. dollars)

| Country  | 1972           | 1973           | 1974           | 1975           | 1976           |
|--|----------------|----------------|----------------|----------------|----------------|
| U.S.S.R-----:  | 19,948         | 30,507         | 68,066         | 89,143         | 48,109         |
| People's Republic of China-----:                                       | 0              | 0              | 0              | 4,676          | 2,097          |
| Poland-----:   | 1,228          | 2,666          | 3,209          | 7,870          | 13,444         |
| Yugoslavia-----:   | 464            | 3,172          | 935            | 1,529          | 2,197          |
| Romania-----:  | 563            | 519            | 433            | 1,945          | 1,635          |
| Czechoslovakia-----:   | 128            | 78             | 13             | 16             | 469            |
| German Democratic Republic-----:                                       | 0              | 0              | 53             | 0              | 0              |
| Hungary-----:  | 76             | 62             | 22             | 55             | 166            |
| Bulgaria-----:   | 69             | 161            | 0              | 347            | 7              |
| Albania-----:  | 0              | 0              | 0              | 0              | 0              |
| Cuba-----:   | 0              | 0              | 0              | 0              | 0              |
| People's Republic of Mongolia-----:                                    | 0              | 0              | 0              | 0              | 0              |
| Total-----:  | <u>22,477</u>  | <u>37,165</u>  | <u>72,732</u>  | <u>105,581</u> | <u>68,123</u>  |
| Total, U.S. exports to the world-----:                                 | <u>260,005</u> | <u>350,884</u> | <u>443,815</u> | <u>567,877</u> | <u>546,533</u> |
| Percent of total U.S. exports shipped to the nonmarket economies-----: | 8.6            | 10.6           | 16.4           | 18.6           | 12.5           |

Source: U.S. Department of Commerce microfilm EM-450/455.

concentrating instead on highly sophisticated types for extremely precise, high-production work. Users who wanted simpler general-purpose tools were buying them from foreign builders at half the price and with much quicker delivery. Foreign machine-tool builders are now also producing the highly sophisticated tools, and their prices equal or exceed U.S. prices. Some U.S. builders are now producing tools which are less precise but are more than adequately accurate for structural shops and general machine-shop work. These tools sell for approximately half the price of the more highly sophisticated foreign or U.S. tools and account for much of the increase in units of U.S. machine-tool exports. 1/

U.S. exports to the nonmarket economies rose in value from \$22.5 million in 1972 to \$105.6 million in 1975. Between 1975 and 1976, however, exports to the nonmarket economies fell in value from \$105.6 million to \$68.1 million. In addition, the share of U.S. machine-tool exports going to the nonmarket economies decreased from 18.6 percent in 1975 to 12.5 percent in 1976, after rising steadily since 1972.

The decline in machine-tool exports to the U.S.S.R. in 1976 may be taken as one indication that the U.S.S.R. is making good on its announced intention of buying fewer products from the U.S. because of its pique over U.S. trade and credit restraints written into the Trade Act of 1974. However, the Soviets also imported significantly

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1/ Industry Week, June 9, 1975.

smaller amounts of machine tools from France and Japan in 1976 compared with 1975. West German machine-tool exports to the Soviet Union in this same period climbed from \$224 million to \$333 million.

While the Soviet Union and other NME's certainly have a choice of sources for purchases of many types of machine tools, in other cases the most reliable and most technologically sophisticated machines are available only from the United States. However, somewhat offsetting the advantage of a technological lead is the fact that some kinds of highly advanced U.S. machine tools, especially numerically controlled and computer controlled machines, are subject to export constraints under the terms of the Export Administration Act. While all members of COCOM 1/ maintain export controls on certain technologically advanced or strategic machine tools, there is general agreement that export licenses are easier to obtain in COCOM countries other than the United States. 2/ In addition, many advanced machine tools are available from non-COCOM countries such as Switzerland or the Nordic countries.

Except for a slight decline in 1975, imports of machine tools from the nonmarket economies rose steadily as a percentage of total U.S. imports of machine tools. Imports from the nonmarket economies rose from \$2.0 million or 1.7 percent of total U.S. machine tool

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1/ NATO countries (excluding Iceland) and Japan.

2/ The COCOM countries do not uniformly interpret COCOM rules on machine tools, and U.S. interpretations tend to be more conservative.

imports in 1972 to \$17.6 million or 5.6 percent of the total in 1976 (see table 13). Imports increased in both quantity and value between 1975 and 1976.

The tariff rates are heavily discriminatory against Column 2 countries. While Column 1 duty rates range from 4.5 to 10 percent, Column 2 rates range from 30 to 45 percent. Although the exact effect of the discrimination cannot be determined, it may be noted that imports for consumption from Romania, which were substantially less than \$1 million each year between 1972 and 1975, rose sharply to almost \$3.5 million in 1976, Romania's first full year of most-favored-nation tariff status.

Imports of machine tools from the Soviet Union rose from nothing in 1972 and 1973 to \$1.8 million in 1976 (table 13). This increase resulted in part from efforts by the Soviets in early 1976 to boost their machine-tool sales in the United States. Their agent in the United States estimates that they should be able to sell between \$18 and \$25 million worth of tools each year. He described the tools as "very sophisticated", often numerically controlled, with a five-year warranty covering installation, replacement parts, and normal wear. In addition, the tools sell at about 35 percent below the average market price. 1/

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1/ Industry Week, April 15, 1976.

Table 13.--U.S. imports of machine tools from the nonmarket economies, 1972-1976

(In thousands of U.S. dollars)

| Country  | 1972    | 1973    | 1974    | 1975    | 1976    |
|--|---------|---------|---------|---------|---------|
| U.S.S.R-----:                                      | 0       | 0       | 154     | 794     | 1,782   |
| People's Republic of China-----:                   | 0       | 8       | 12      | 117     | 532     |
| Poland-----:                                       | 459     | 1,670   | 5,219   | 2,199   | 3,544   |
| Yugoslavia-----:                                   | 473     | 1,224   | 1,554   | 2,037   | 3,148   |
| Romania-----:                                      | 73      | 34      | 585     | 1,357   | 3,117   |
| Czechoslovakia-----:                               | 689     | 1,254   | 2,677   | 2,950   | 4,442   |
| German Democratic Republic-----:                   | 288     | 379     | 417     | 951     | 739     |
| Hungary-----:                                      | 39      | 92      | 41      | 167     | 78      |
| Bulgaria-----:                                     | 4       | 11      | 111     | 69      | 246     |
| Albania-----:                                      | 0       | 0       | 0       | 0       | 0       |
| Cuba-----:   | 0       | 0       | 0       | 0       | 0       |
| People's Republic of Mongolia--:                   | 0       | 0       | 0       | 0       | 0       |
| Total-----:  | 2,023   | 4,671   | 10,770  | 10,641  | 17,629  |
| Total, U.S. imports from the world-----:           | 116,073 | 168,516 | 273,620 | 326,543 | 315,069 |
| Percent of total U.S. imports from the NME's-----: | 1.7     | 2.8     | 3.9     | 3.3     | 5.6     |

Source: U.S. Department of Commerce microfilm IM-150/155.

Examples of recent efforts to market NME machine tools in the United States include a Canadian distributor that appointed two new stock-in dealers in the United States to market Soviet-made machine tools. Early in 1977, the Canadian distributor sold a U.S. company a Soviet drill press. The U.S. dealer expects to sell between \$500,000 and \$600,000 worth of Soviet machine tools in western New York State and northern Pennsylvania during the remainder of the year. The Canadian firm's other U.S. distributor has already sold a dozen medium-large Soviet machines in the Ohio area.

A New Jersey importer of European-made lathes, mills, and grinders recently entered a five-year agreement with a Romanian trading organization to distribute its line of heavy universal engine lathes in the United States. This is the first entrance of the Romanian agency into exclusive distribution rights in the United States. The company said it entered into the agreement in an attempt to broaden its line of machine tools. 1/

In February 1977, the same New Jersey firm introduced a Bulgarian-manufactured 22-inch heavy-duty production lathe. In the first four months on the U.S. market, the firm sold approximately 20 to 30 units. 2/

Finally, a midwestern machinery company headquartered near Chicago was organized in January 1977 to import and export machine tools to Poland. It is a joint operation of a U.S. firm in Massachusetts and

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1/ American Metal Market, June 6, 1977.

2/ American Metal Market, May 30, 1977.

a Polish foreign trade organization. Another U.S. company expects to begin importing and marketing a new series of Polish boring machines this year.

Joint ventures, cooperative deals, and technology transfers between the United States and the nonmarket economies in the machine-tool area are just beginning. One such project is an ongoing research exchange on electro-metallurgy taking place between the United States and the Soviet Union. Joint task forces have been set up to explore technology in six areas. One area of research is electron beam evaporation which is used to coat the cutting edges of machine tools. Coatings of certain refractory compounds--carbides, nitrides, borides, and oxides-- can significantly lengthen the life of cutting tools. Improving the life or speed of machine tools can have considerable economic impact since the cost of machines, including labor, runs into billions of dollars annually. Also, lengthening the life of tools can lessen U.S. dependence on such imported strategic materials as tungsten, chromium, and vanadium. 1/

Tables 14 and 15 show machine-tool trade between the United States and the NME's in 7-digit commodity code detail. The coverage in each commodity item number may be quite wide and, as a result, exact information on the nature of the machine tools being traded is not available from the tables. Widely diverse unit values of machine tools in a specific commodity class may reflect important differences in the size of the machines, their quality (as measured by their precision), their utility (as measured by the number of tasks that the machines can

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1/ Iron Age, March 7, 1977.

perform), or their price. Despite this shortcoming, the tables nevertheless give one some idea of the diversity of U.S.-NME machine-tool trade. The tables also show that the NME trade is not equally important in all of the commodity items listed. Finally, the tables show that in the period covered (1972 through the first quarter of 1977) U.S.-NME machine tool trade grew in diversity as well as in quantity and value.

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country   | 1972          |           | 1973          |           | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|--|---------------|-----------|---------------|-----------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|  | Quan-<br>tity | Value     | Quan-<br>tity | Value     | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 715.1001 Machine centers, multi-<br>function, numerically con-<br>trolled, equipped with auto-<br>matic or manual tool changers,<br>metalcutting, new: <sup>1/</sup> |               |           |               |           |               |            |               |            |               |            |                       |           |
| Czechoslovakia-----  | n.a.          | n.a.      | n.a.          | n.a.      | 0             | 0          | 0             | 0          | 1             | 90,000     | 1                     | 291,435   |
| U.S.S.R-----   | n.a.          | n.a.      | n.a.          | n.a.      | 2             | 122,975    | 0             | 0          | 3             | 433,553    | 0                     | 0         |
| People's Rep. of China-----  | n.a.          | n.a.      | n.a.          | n.a.      | 0             | 0          | 0             | 0          | 2             | 618,214    | 0                     | 0         |
| Total-----   | n.a.          | n.a.      | n.a.          | n.a.      | 2             | 122,975    | 0             | 0          | 6             | 1,141,767  | 1                     | 291,435   |
| Total U.S. exports-----  | n.a.          | n.a.      | n.a.          | n.a.      | 120           | 18,421,997 | 173           | 27,435,812 | 210           | 35,471,102 | 40                    | 5,789,481 |
| 715.1002 Horizontal boring-<br>drilling-milling machines,<br>metalcutting, new, valued<br>\$1,000 and over each: <sup>2/</sup>                                       |               |           |               |           |               |            |               |            |               |            |                       |           |
| Romania-----   | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 6             | 831,895    | 0                     | 0         |
| Total-----   | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 6             | 831,895    | 0                     | 0         |
| Total U.S. exports-----  | 119           | 5,057,293 | 137           | 5,779,129 | 165           | 8,479,696  | 102           | 8,367,747  | 67            | 5,783,900  | 10                    | 1,226,936 |
| 715.1004 Vertical boring and<br>turning mills, including<br>vertical, turret lathes,<br>metalcutting, new, valued<br>\$1,000 and over each: <sup>2/</sup>            |               |           |               |           |               |            |               |            |               |            |                       |           |
| U.S.S.R-----   | 0             | 0         | 0             | 0         | 0             | 0          | 10            | 1,973,206  | 1             | 17,800     | 0                     | 0         |
| Total-----   | 0             | 0         | 0             | 0         | 0             | 0          | 10            | 1,973,206  | 1             | 17,800     | 0                     | 0         |
| Total U.S. exports-----  | 96            | 2,661,184 | 75            | 2,520,478 | 52            | 3,256,282  | 89            | 7,699,577  | 78            | 8,105,086  | 14                    | 1,179,306 |
| 715.1006 Precision, jig and<br>boring machines, n.e.c.,<br>metalcutting, new, valued<br>\$1,000 and over each: <sup>2/</sup>   |               |           |               |           |               |            |               |            |               |            |                       |           |
| Yugoslavia-----  | 0             | 0         | 1             | 6,257     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----   | 0             | 0         | 0             | 0         | 1             | 20,515     | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----   | 0             | 0         | 1             | 6,257     | 1             | 20,515     | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total U.S. exports-----  | 639           | 3,474,366 | 215           | 1,894,615 | 111           | 2,401,348  | 375           | 3,660,462  | 248           | 2,444,562  | 52                    | 228,757   |
| 715.1008 Vertical (upright)<br>drilling machines, metal-<br>cutting, new, valued \$1,000<br>and over each: <sup>2/</sup>   |               |           |               |           |               |            |               |            |               |            |                       |           |
| Poland-----  | 0             | 0         | 0             | 0         | 0             | 0          | 3             | 57,909     | 0             | 0          | 0                     | 0         |
| U.S.S.R-----   | 1             | 69,615    | 0             | 0         | 0             | 0          | 1             | 124,515    | 4             | 341,603    | 3                     | 253,930   |
| Romania-----   | 1             | 114,458   | 0             | 0         | 0             | 0          | 0             | 0          | 1             | 21,355     | 1                     | 190,440   |
| Bulgaria-----  | 0             | 0         | 0             | 0         | 0             | 0          | 3             | 235,035    | 0             | 0          | 0                     | 0         |
| Total-----   | 2             | 184,073   | 0             | 0         | 0             | 0          | 7             | 417,459    | 5             | 362,958    | 4                     | 444,370   |
| Total U.S. exports-----  | 616           | 2,435,794 | 812           | 2,353,050 | 231           | 2,779,120  | 360           | 6,372,934  | 336           | 4,944,383  | 43                    | 1,587,416 |

See footnotes at end of table.

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country  | 1972          |           | 1973          |           | 1974          |           | 1975          |           | 1976          |           | January-March<br>1977 |           |
|---|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|-----------------------|-----------|
|   | Quan-<br>tity | Value     | Quan-<br>tity         | Value     |
| 715.1010 Unit head or way type<br>drilling machines, metal-<br>cutting, new, valued \$1,000<br>and over each: 2/  | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| U.S.S.R-----  | 0             | 0         | 2             | 24,000    | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total-----  | 0             | 0         | 2             | 24,000    | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total U.S. exports----  | 154           | 2,650,974 | 203           | 2,433,944 | 108           | 1,716,682 | 86            | 1,798,584 | 68            | 1,247,223 | 14                    | 571,004   |
| 715.1012 Radial drilling ma-<br>chines, metalcutting, new,<br>valued \$1,000 and over each: 2/                    | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| Poland-----   | 0             | 0         | 0             | 0         | 0             | 0         | 2             | 5,950     | 0             | 0         | 0                     | 0         |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 12            | 601,544   | 0                     | 0         |
| Total-----  | 0             | 0         | 0             | 0         | 0             | 0         | 2             | 5,950     | 12            | 601,544   | 0                     | 0         |
| Total U.S. exports----  | 36            | 314,190   | 34            | 479,921   | 38            | 886,763   | 56            | 948,284   | 54            | 1,596,328 | 13                    | 151,291   |
| 715.1014 Drilling machines,<br>n.e.c., metalcutting, new,<br>valued \$1,000 and over each: 2/                     | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| Hungary-----  | 0             | 0         | 0             | 0         | 2             | 22,220    | 0             | 0         | 0             | 0         | 0                     | 0         |
| Poland-----   | 0             | 0         | 0             | 0         | 0             | 0         | 4             | 82,675    | 0             | 0         | 0                     | 0         |
| U.S.S.R-----  | 0             | 0         | 1             | 116,000   | 0             | 0         | 2             | 150,000   | 2             | 4,603     | 0                     | 0         |
| Yugoslavia-----   | 1             | 73,435    | 1             | 55,000    | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Romania-----  | 1             | 15,854    | 0             | 0         | 0             | 0         | 1             | 41,708    | 0             | 0         | 0                     | 0         |
| Total-----  | 2             | 89,289    | 2             | 171,000   | 2             | 22,220    | 7             | 274,383   | 2             | 4,603     | 0                     | 0         |
| Total U.S. exports----  | 982           | 4,051,782 | 1,840         | 7,288,053 | 506           | 7,525,799 | 358           | 4,747,811 | 356           | 5,723,410 | 73                    | 1,985,035 |
| 715.1016 Gear hobbers, metal-<br>cutting, new, valued \$1,000<br>and over each: 2/                                | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| Czechoslovakia-----   | 1             | 1,217     | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| U.S.S.R-----  | 16            | 475,000   | 0             | 0         | 0             | 0         | 2             | 419,560   | 3             | 467,886   | 0                     | 0         |
| Total-----  | 17            | 476,217   | 0             | 0         | 0             | 0         | 2             | 419,560   | 3             | 467,886   | 0                     | 0         |
| Total U.S. exports----  | 46            | 1,257,544 | 19            | 673,536   | 50            | 752,253   | 27            | 1,779,666 | 30            | 1,619,911 | 4                     | 248,691   |
| 715.1018 Gear tooth grinding<br>and finishing machines,<br>metalcutting, new, valued<br>\$1,000 and over each: 2/ | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| Poland-----   | 0             | 0         | 1             | 47,455    | 0             | 0         | 5             | 759,068   | 2             | 190,000   | 0                     | 0         |
| U.S.S.R-----  | 29            | 631,140   | 57            | 1,408,937 | 0             | 0         | 7             | 905,544   | 8             | 1,730,750 | 0                     | 0         |
| People's Rep. of China---   | 0             | 0         | 0             | 0         | 0             | 0         | 4             | 1,207,992 | 0             | 0         | 0                     | 0         |
| Total-----  | 29            | 631,140   | 58            | 1,456,392 | 0             | 0         | 16            | 2,872,604 | 10            | 1,920,750 | 0                     | 0         |
| Total U.S. exports----  | 202           | 4,739,255 | 262           | 7,954,852 | 187           | 6,507,067 | 110           | 5,949,173 | 136           | 7,918,697 | 16                    | 743,025   |

See footnotes at end of table.

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country  | 1972          |            | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |            |
|---|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|------------|
|   | Quan-<br>tity | Value      | Quan-<br>tity         | Value      |
| 715.1020 Gear cutting machines,<br>n.e.c., metalcutting, new,<br>valued \$1,000 and over each: 2/               | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| Hungary-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 2                     | 484,152    |
| Poland-----   | 13            | 1,073,444  | 23            | 1,812,997  | 17            | 1,277,081  | 13            | 2,056,055  | 2             | 346,089    | 0                     | 0          |
| U.S.S.R-----  | 318           | 12,095,661 | 115           | 2,580,660  | 11            | 1,347,708  | 55            | 8,060,777  | 2             | 511,503    | 23                    | 7,617,084  |
| Yugoslavia-----   | 0             | 0          | 2             | 72,110     | 1             | 59,594     | 5             | 255,169    | 1             | 73,109     | 0                     | 0          |
| Romania-----  | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 138,690    | 1             | 146,638    | 0                     | 0          |
| People's Rep. of China-----   | 0             | 0          | 0             | 0          | 0             | 0          | 15            | 1,573,645  | 0             | 0          | 0                     | 0          |
| Total-----  | 331           | 13,169,105 | 140           | 4,465,767  | 29            | 2,684,383  | 89            | 12,084,336 | 6             | 1,077,339  | 25                    | 8,101,236  |
| Total U.S. exports----  | 652           | 24,032,061 | 437           | 18,856,284 | 309           | 21,861,126 | 362           | 23,712,661 | 386           | 16,208,878 | 47                    | 10,849,144 |
| 715.1022 External cylindrical<br>grinding machines, metal-<br>cutting, new, valued \$1,000<br>and over each: 2/ | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| Poland-----   | 0             | 0          | 0             | 0          | 0             | 0          | 2             | 324,888    | 1             | 284,318    | 1                     | 182,531    |
| U.S.S.R-----  | 1             | 897        | 2             | 368,944    | 41            | 3,036,612  | 5             | 246,868    | 23            | 1,601,137  | 0                     | 0          |
| Yugoslavia-----   | 0             | 0          | 0             | 0          | 0             | 0          | 11            | 542,152    | 4             | 338,642    | 0                     | 0          |
| Total-----  | 1             | 897        | 2             | 368,944    | 41            | 3,036,612  | 18            | 1,113,908  | 28            | 2,224,097  | 1                     | 182,531    |
| Total U.S. exports----  | 217           | 4,943,115  | 200           | 8,381,588  | 294           | 10,772,678 | 192           | 9,597,975  | 135           | 11,226,653 | 18                    | 1,071,781  |
| 715.1024 Surface grinding<br>machines, metalcutting, new,<br>valued \$1,000 and over each: 2/                   | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| Poland-----   | 5             | 809        | 0             | 0          | 5             | 606,338    | 2             | 183,165    | 2             | 60,177     | 0                     | 0          |
| U.S.S.R-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 26            | 4,394,534  | 1                     | 170,750    |
| Yugoslavia-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 35,006     | 0                     | 0          |
| Romania-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 144,235    | 0                     | 0          |
| Total-----  | 5             | 809        | 0             | 0          | 5             | 606,338    | 2             | 183,165    | 30            | 4,633,952  | 1                     | 170,750    |
| Total U.S. exports----  | 837           | 4,448,002  | 1,611         | 6,976,224  | 494           | 6,764,954  | 581           | 8,614,296  | 494           | 10,755,506 | 152                   | 2,667,601  |
| 715.1026 Tool and cutter grind-<br>ing machines, metalcutting,<br>new, valued \$1,000 and over<br>each: 2/      | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| German Democratic Rep-----  | 0             | 0          | 0             | 0          | 2             | 53,074     | 0             | 0          | 0             | 0          | 0                     | 0          |
| Czechoslovakia-----   | 0             | 0          | 1             | 18,294     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0          |
| Poland-----   | 0             | 0          | 0             | 0          | 1             | 55,158     | 8             | 353,346    | 4             | 362,351    | 0                     | 0          |
| U.S.S.R-----  | 12            | 496,950    | 10            | 518,791    | 16            | 667,200    | 5             | 209,405    | 3             | 215,244    | 0                     | 0          |
| Yugoslavia-----   | 0             | 0          | 16            | 1,112,254  | 3             | 36,500     | 7             | 92,964     | 0             | 0          | 1                     | 44,562     |
| Romania-----  | 12            | 397,921    | 1             | 10,870     | 0             | 0          | 0             | 0          | 1             | 50,204     | 0                     | 0          |
| Total-----  | 24            | 894,871    | 28            | 1,660,209  | 22            | 811,932    | 20            | 655,715    | 8             | 627,799    | 1                     | 44,562     |
| Total U.S. exports----  | 2,034         | 6,887,297  | 1,581         | 7,402,638  | 803           | 7,541,006  | 745           | 7,935,448  | 536           | 7,115,583  | 1,099                 | 1,381,324  |

See footnotes at end of table.

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country   | 1972          |           | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|--|---------------|-----------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|  | Quan-<br>tity | Value     | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 715.1028 Polishing and buffing<br>machines, metalcutting, new,<br>valued \$1,000 and over each: 2/               |               |           |               |            |               |            |               |            |               |            |                       |           |
| Czechoslovakia-----  | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 2             | 26,234     | 0                     | 0         |
| Poland-----  | 1             | 33,293    | 0             | 0          | 0             | 0          | 1             | 3,603      | 0             | 0          | 0                     | 0         |
| U.S.S.R-----   | 44            | 1,389,926 | 0             | 0          | 5             | 115,831    | 8             | 138,941    | 0             | 0          | 0                     | 0         |
| Yugoslavia-----  | 1             | 935       | 0             | 0          | 0             | 0          | 0             | 0          | 5             | 6,153      | 0                     | 0         |
| Total-----   | 46            | 1,424,154 | 0             | 0          | 5             | 115,831    | 9             | 142,544    | 7             | 32,387     | 0                     | 0         |
| Total U.S. exports----   | 569           | 969,804   | 996           | 2,577,474  | 152           | 1,707,010  | 129           | 1,329,094  | 132           | 1,039,416  | 26                    | 233,986   |
| 715.1030 Honing and lapping<br>machines, metalcutting, new,<br>valued \$1,000 and over each: 2/                  |               |           |               |            |               |            |               |            |               |            |                       |           |
| Hungary-----   | 0             | 0         | 0             | 0          | 0             | 0          | 1             | 5,000      | 0             | 0          | 0                     | 0         |
| Poland-----  | 0             | 0         | 0             | 0          | 2             | 15,340     | 0             | 0          | 0             | 0          | 0                     | 0         |
| U.S.S.R-----   | 0             | 0         | 1             | 45,084     | 5             | 594,853    | 5             | 114,868    | 32            | 934,504    | 0                     | 0         |
| Yugoslavia-----  | 2             | 11,123    | 4             | 9,622      | 5             | 23,362     | 3             | 11,141     | 5             | 25,842     | 1                     | 6,500     |
| Total-----   | 2             | 11,123    | 5             | 54,706     | 12            | 633,555    | 9             | 131,009    | 37            | 960,346    | 1                     | 6,500     |
| Total U.S. exports----   | 1,256         | 2,555,642 | 1,158         | 5,095,762  | 646           | 3,372,747  | 556           | 4,077,456  | 577           | 6,991,084  | 185                   | 1,122,372 |
| 715.1032 Internal cylindrical<br>grinding machines, metal-<br>cutting, new, valued \$1,000<br>and over each: 2/  |               |           |               |            |               |            |               |            |               |            |                       |           |
| Poland-----  | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 2             | 371,965    | 0                     | 0         |
| U.S.S.R-----   | 0             | 0         | 36            | 1,817,513  | 48            | 2,813,449  | 6             | 1,396,362  | 0             | 0          | 0                     | 0         |
| Yugoslavia-----  | 0             | 0         | 1             | 40,169     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----   | 0             | 0         | 1             | 51,279     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| People's Rep. of China-----  |               |           |               |            |               |            |               |            | 12            | 1,473,779  |                       |           |
| Total-----   | 0             | 0         | 38            | 1,908,961  | 48            | 2,813,449  | 6             | 1,396,362  | 14            | 1,845,744  | 0                     | 0         |
| Total U.S. exports----   | 58            | 2,970,164 | 131           | 6,493,499  | 148           | 9,557,716  | 100           | 6,293,542  | 81            | 6,871,897  | 4                     | 465,322   |
| 715.1034 Grinding and polishing<br>machines, n.e.c., metal-<br>cutting, new, valued \$1,000<br>and over each: 2/ |               |           |               |            |               |            |               |            |               |            |                       |           |
| Poland-----  | 0             | 0         | 0             | 0          | 2             | 45,200     | 1             | 84,620     | 2             | 147,766    | 0                     | 0         |
| U.S.S.R-----   | 2             | 15,066    | 53            | 2,617,332  | 40            | 3,363,645  | 85            | 4,999,410  | 47            | 4,288,658  | 8                     | 734,627   |
| Yugoslavia-----  | 0             | 0         | 2             | 14,000     | 2             | 124,712    | 4             | 172,620    | 12            | 40,006     | 0                     | 0         |
| Romania-----   | 0             | 0         | 0             | 0          | 1             | 54,497     | 1             | 85,915     | 0             | 0          | 0                     | 0         |
| Bulgaria-----  | 0             | 0         | 6             | 161,025    | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----   | 2             | 15,066    | 61            | 2,792,357  | 45            | 3,588,054  | 91            | 5,342,565  | 61            | 4,476,430  | 8                     | 734,627   |
| Total U.S. exports----   | 3,929         | 7,417,507 | 4,206         | 13,533,079 | 729           | 13,263,062 | 719           | 15,159,783 | 583           | 13,411,921 | 112                   | 1,974,668 |

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country  | 1972          |           | 1973          |           | 1974          |           | 1975          |           | 1976          |           | January-March<br>1977 |           |
|---|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|-----------------------|-----------|
|   | Quan-<br>tity | Value     | Quan-<br>tity         | Value     |
| 715.1036 Engine lathes, metal-cutting, new, valued \$1,000 and over each: 2/                              |               |           |               |           |               |           |               |           |               |           |                       |           |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 1                     | 289,620   |
| Yugoslavia-----   | 0             | 0         | 0             | 0         | 2             | 35,110    | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total-----  | 0             | 0         | 0             | 0         | 2             | 35,110    | 0             | 0         | 0             | 0         | 1                     | 289,620   |
| Total U.S. exports-----   | 808           | 3,072,073 | 953           | 5,241,566 | 406           | 3,813,323 | 567           | 6,801,590 | 523           | 6,058,140 | 156                   | 976,290   |
| 715.1038 Turret lathes, (except vertical), metalcutting, new, valued \$1,000 and over each: 2/            |               |           |               |           |               |           |               |           |               |           |                       |           |
| Total-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total U.S. exports-----   | 90            | 1,965,018 | 112           | 2,315,314 | 174           | 4,485,694 | 132           | 4,565,945 | 177           | 9,349,882 | 35                    | 1,450,363 |
| 715.1040 Single spindle automatic chucking lathes, metal-cutting, new, valued \$1,000 and over each: 2/   |               |           |               |           |               |           |               |           |               |           |                       |           |
| Poland-----   | 1             | 139,279   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| U.S.S.R-----  | 0             | 0         | 3             | 78,460    | 29            | 837,403   | 32            | 2,542,454 | 0             | 0         | 0                     | 0         |
| Yugoslavia-----   | 0             | 0         | 1             | 108,759   | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total-----  | 1             | 139,279   | 4             | 187,219   | 29            | 837,403   | 32            | 2,542,454 | 0             | 0         | 0                     | 0         |
| Total U.S. exports-----   | 69            | 2,238,026 | 101           | 3,773,264 | 87            | 2,820,202 | 281           | 9,939,028 | 133           | 7,588,198 | 25                    | 985,562   |
| 715.1042 Multiple spindle automatic chucking lathes, metal-cutting, new, valued \$1,000 and over each: 2/ |               |           |               |           |               |           |               |           |               |           |                       |           |
| Poland-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 2             | 544,206   | 1                     | 107,222   |
| Total-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 2             | 544,206   | 1                     | 107,222   |
| Total U.S. exports-----   | 37            | 1,740,771 | 51            | 1,784,989 | 172           | 5,327,225 | 52            | 2,829,805 | 49            | 2,839,902 | 11                    | 1,642,394 |
| 715.1044 Automatic screw machines, metalcutting, new, valued \$1,000 and over each: 2/                    |               |           |               |           |               |           |               |           |               |           |                       |           |
| Yugoslavia-----   | 4             | 186,655   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total-----  | 4             | 186,655   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total U.S. exports-----   | 141           | 5,058,735 | 160           | 3,853,833 | 208           | 5,973,054 | 210           | 7,362,638 | 110           | 6,211,914 | 23                    | 1,651,038 |

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country  | 1972  |           | 1973  |           | 1974  |           | 1975  |            | 1976  |            | January-March<br>1977 |           |
|---|-------|-----------|-------|-----------|-------|-----------|-------|------------|-------|------------|-----------------------|-----------|
|   | Quan- | Value     | Quan- | Value     | Quan- | Value     | Quan- | Value      | Quan- | Value      | Quan-                 | Value     |
|   | ty    |           | ty    |           | ty    |           | ty    |            | ty    |            | ty                    |           |
| 715.1046 Lathes, n.e.c., metal-cutting, new, valued \$1,000 and over each: 2/                                       |       |           |       |           |       |           |       |            |       |            |                       |           |
| Poland-----   | 0     | 0         | 6     | 451,470   | 0     | 0         | 0     | 0          | 0     | 0          | 0                     | 0         |
| U.S.S.R-----  | 0     | 0         | 0     | 0         | 2     | 134,212   | 0     | 0          | 1     | 103,000    | 28                    | 3,658,800 |
| Romania-----  | 1     | 1,260     | 0     | 0         | 0     | 0         | 0     | 0          | 0     | 0          | 0                     | 0         |
| Total-----  | 1     | 1,260     | 6     | 451,470   | 2     | 134,212   | 0     | 0          | 1     | 103,000    | 28                    | 3,658,800 |
| Total U.S. exports----  | 1,812 | 6,987,992 | 1,747 | 7,298,693 | 874   | 8,591,624 | 1,261 | 12,100,695 | 1,161 | 15,314,790 | 239                   | 6,586,933 |
| 715.1048 Knee-type milling machines, metalcutting, new, valued \$1,000 and over each: 2/                            |       |           |       |           |       |           |       |            |       |            |                       |           |
| U.S.S.R-----  | 0     | 0         | 0     | 0         | 0     | 0         | 0     | 0          | 3     | 91,940     | 19                    | 410,498   |
| Total-----  | 0     | 0         | 0     | 0         | 0     | 0         | 0     | 0          | 3     | 91,940     | 19                    | 410,498   |
| Total U.S. exports----  | 313   | 3,023,613 | 261   | 3,125,370 | 404   | 4,646,103 | 418   | 4,655,772  | 296   | 3,185,564  | 103                   | 1,318,088 |
| 715.1050 Bed-type milling machines, metalcutting, new, valued \$1,000 and over each: 2/                             |       |           |       |           |       |           |       |            |       |            |                       |           |
| Poland-----   | 0     | 0         | 0     | 0         | 0     | 0         | 1     | 141,570    | 0     | 0          | 0                     | 0         |
| Yugoslavia-----   | 0     | 0         | 0     | 0         | 1     | 2,000     | 0     | 0          | 0     | 0          | 0                     | 0         |
| Total-----  | 0     | 0         | 0     | 0         | 1     | 2,000     | 1     | 141,570    | 0     | 0          | 0                     | 0         |
| Total U.S. exports----  | 24    | 1,714,668 | 48    | 469,909   | 46    | 1,578,151 | 57    | 1,811,930  | 30    | 1,739,938  | 11                    | 857,421   |
| 715.1052 Profile, duplicating, and diesinking milling machines, metalcutting, new, valued \$1,000 and over each: 2/ |       |           |       |           |       |           |       |            |       |            |                       |           |
| Yugoslavia-----   | 0     | 0         | 0     | 0         | 0     | 0         | 0     | 0          | 1     | 32,891     | 0                     | 0         |
| Total-----  | 0     | 0         | 0     | 0         | 0     | 0         | 0     | 0          | 1     | 32,891     | 0                     | 0         |
| Total U.S. exports----  | 97    | 3,820,011 | 169   | 2,334,060 | 84    | 2,867,990 | 41    | 2,860,140  | 53    | 3,398,828  | 25                    | 213,972   |
| 715.1054 Milling machines, n.e.c., metalcutting, new, valued \$1,000 and over each: 2/                              |       |           |       |           |       |           |       |            |       |            |                       |           |
| Czechoslovakia-----   | 1     | 1,124     | 0     | 0         | 0     | 0         | 0     | 0          | 0     | 0          | 0                     | 0         |
| Poland-----   | 0     | 0         | 0     | 0         | 1     | 369,190   | 2     | 290,810    | 3     | 388,551    | 1                     | 274,000   |
| U.S.S.R-----  | 0     | 0         | 2     | 566,674   | 5     | 1,292,272 | 0     | 0          | 27    | 683,443    | 10                    | 1,035,895 |
| Yugoslavia-----   | 1     | 1,159     | 0     | 0         | 0     | 0         | 0     | 0          | 0     | 0          | 0                     | 0         |
| Total-----  | 2     | 2,283     | 2     | 566,674   | 6     | 1,661,462 | 2     | 290,810    | 30    | 1,071,994  | 11                    | 1,309,895 |
| Total U.S. exports----  | 155   | 5,056,080 | 209   | 8,104,645 | 242   | 5,664,925 | 288   | 11,246,403 | 420   | 6,046,149  | 141                   | 7,449,074 |

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country   | 1972          |           | 1973          |           | 1974          |           | 1975          |           | 1976          |           | January-March<br>1977 |           |
|--|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|-----------------------|-----------|
|  | Quan-<br>tity | Value     | Quan-<br>tity         | Value     |
| 715.1056 Broaching machines,<br>metalcutting, new, valued<br>\$1,000 and over each: 2/           | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| Hungary-----   | 0             | 0         | 0             | 0         | 0             | 0         | 1             | 4,000     | 0             | 0         | 0                     | 0         |
| U.S.S.R-----   | 0             | 0         | 0             | 0         | 0             | 0         | 3             | 685,018   | 0             | 0         | 12                    | 1,426,000 |
| Total-----   | 0             | 0         | 0             | 0         | 0             | 0         | 4             | 689,018   | 0             | 0         | 12                    | 1,426,000 |
| Total U.S. exports-----  | 125           | 1,301,206 | 83            | 2,493,203 | 77            | 3,175,163 | 187           | 5,468,755 | 175           | 1,753,944 | 17                    | 1,583,910 |
| 715.1058 Planers (except gear<br>planers) metalcutting, new,<br>valued \$1,000 and over each: 2/ | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| Total-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total U.S. exports-----  | 18            | 310,028   | 30            | 350,013   | 24            | 271,880   | 23            | 525,324   | 31            | 646,532   | ..                    | ..        |
| 715.1060 Shapers and slotters,<br>metalcutting, new, valued<br>\$1,000 and over each: 2/         | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| Yugoslavia-----  | 0             | 0         | 0             | 0         | 0             | 0         | 1             | 3,026     | 0             | 0         | 0                     | 0         |
| Total-----   | 0             | 0         | 0             | 0         | 0             | 0         | 1             | 3,026     | 0             | 0         | 0                     | 0         |
| Total U.S. exports-----  | 190           | 579,470   | 154           | 325,544   | 44            | 1,289,126 | 108           | 515,174   | 72            | 1,011,249 | 23                    | 104,704   |
| 715.1062 Sawing and cutoff<br>machines, metalcutting, new,<br>valued \$1,000 and over each: 2/   | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| German Democratic Rep-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Czechoslovakia-----  | 2             | 614       | 0             | 0         | 3             | 9,075     | 0             | 0         | 2             | 258,103   | 0                     | 0         |
| Hungary-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Poland-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 2             | 10,337    | 1                     | 17,000    |
| U.S.S.R-----   | 3             | 61,477    | 0             | 0         | 5             | 247,931   | 29            | 147,387   | 25            | 349,053   | 6                     | 47,624    |
| Yugoslavia-----  | 4             | 2,905     | 8             | 119,572   | 7             | 15,790    | 0             | 0         | 10            | 45,471    | 0                     | 0         |
| Albania-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Romania-----   | 11            | 27,820    | 0             | 0         | 1             | 20,260    | 2             | 18,181    | 0             | 0         | 0                     | 0         |
| Bulgaria-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 0                     | 0         |
| Total-----   | 20            | 92,816    | 8             | 119,572   | 16            | 293,056   | 31            | 165,568   | 39            | 662,964   | 7                     | 64,624    |
| Total U.S. exports-----  | 1,866         | 3,941,161 | 2,522         | 5,090,001 | 922           | 6,086,415 | 1,288         | 9,025,303 | 1,033         | 8,505,695 | 213                   | 1,327,303 |
| 715.1064 Tapping machines,<br>metalcutting, new, valued<br>\$1,000 and over each: 2/             | :             | :         | :             | :         | :             | :         | :             | :         | :             | :         | :                     | :         |
| Poland-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0         | 4             | 555,698   | 0                     | 0         |
| U.S.S.R-----   | 0             | 0         | 2             | 336,306   | 1             | 85,455    | 0             | 0         | 13            | 41,939    | 5                     | 54,586    |
| Total-----   | 0             | 0         | 2             | 336,306   | 1             | 85,455    | 0             | 0         | 17            | 597,637   | 5                     | 54,586    |
| Total U.S. exports-----  | 322           | 1,022,728 | 247           | 1,254,373 | 122           | 989,725   | 114           | 1,412,198 | 140           | 3,418,895 | 49                    | 450,783   |

See footnotes at end of table.

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country  | 1972          |           | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|---|---------------|-----------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|   | Quan-<br>tity | Value     | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 715.1066 Threading machines,<br>metalcutting, new, valued<br>\$1,000 and over each: 2/    |               |           |               |            |               |            |               |            |               |            |                       |           |
| German Democratic Rep-----  | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Czechoslovakia-----   | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Hungary-----  | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Poland-----   | 0             | 0         | 0             | 0          | 0             | 0          | 1             | 1,998      | 0             | 0          | 0                     | 0         |
| U.S.S.R-----  | 4             | 77,920    | 0             | 0          | 0             | 0          | 4             | 185,920    | 1             | 55,277     | 0                     | 0         |
| Yugoslavia-----   | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Albania-----  | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----  | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Bulgaria-----   | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----  | 4             | 77,920    | 0             | 0          | 0             | 0          | 5             | 187,918    | 1             | 55,277     | 0                     | 0         |
| Total U.S. exports-----   | 3,722         | 2,660,330 | 3,965         | 3,964,185  | 632           | 4,873,793  | 571           | 2,960,183  | 405           | 2,471,949  | 112                   | 516,171   |
| 715.1068 Multistation machines,<br>metalcutting, new, valued<br>\$1,000 and over each: 2/ |               |           |               |            |               |            |               |            |               |            |                       |           |
| Poland-----   | 0             | 0         | 0             | 0          | 2             | 462,112    | 0             | 0          | 1             | 606,314    | 0                     | 0         |
| U.S.S.R-----  | 7             | 3,782,156 | 68            | 14,212,305 | 47            | 29,726,017 | 76            | 43,579,150 | 15            | 13,647,611 | 0                     | 0         |
| Yugoslavia-----   | 0             | 0         | 0             | 0          | 1             | 221,000    | 0             | 0          | 2             | 146,117    | 0                     | 0         |
| Total-----  | 7             | 3,782,156 | 68            | 14,212,305 | 50            | 30,409,129 | 76            | 43,579,150 | 18            | 14,400,042 | 0                     | 0         |
| Total U.S. exports-----   | 78            | 6,420,919 | 225           | 30,868,331 | 108           | 39,156,156 | 146           | 71,958,943 | 58            | 25,060,645 | 2                     | 254,419   |
| 715.1069 Metalcutting machine<br>tools, new, n.e.c., valued<br>\$1,000 and over each: 3/  |               |           |               |            |               |            |               |            |               |            |                       |           |
| Poland-----   | n.a.          | n.a.      | n.a.          | n.a.       | 1             | 78,400     | 2             | 40,933     | 5             | 568,937    | 0                     | 0         |
| U.S.S.R-----  | n.a.          | n.a.      | n.a.          | n.a.       | 2             | 320,755    | 147           | 1,722,514  | 12            | 1,252,500  | 2                     | 276,500   |
| Yugoslavia-----   | n.a.          | n.a.      | n.a.          | n.a.       | 0             | 0          | 3             | 21,421     | 1             | 4,548      | 0                     | 0         |
| Romania-----  | n.a.          | n.a.      | n.a.          | n.a.       | 0             | 0          | 0             | 0          | 2             | 246,740    | 0                     | 0         |
| People's Rep. of China-----   | n.a.          | n.a.      | n.a.          | n.a.       | 0             | 0          | 0             | 0          | 0             | 0          | 1                     | 4,968     |
| Total-----  | n.a.          | n.a.      | n.a.          | n.a.       | 3             | 399,155    | 152           | 1,784,868  | 20            | 2,072,725  | 3                     | 281,468   |
| Total U.S. exports-----   | n.a.          | n.a.      | n.a.          | n.a.       | 800           | 9,823,109  | 1,349         | 17,312,146 | 941           | 11,909,574 | 268                   | 3,129,256 |
| 715.1070 Metalcutting machine<br>tools, new, n.e.c.: 4/                                   |               |           |               |            |               |            |               |            |               |            |                       |           |
| Czechoslovakia-----   | 0             | 0         | 2             | 1,770      |               |            |               |            |               |            |                       |           |
| Hungary-----  | 0             | 0         | 55            | 61,701     |               |            |               |            |               |            |                       |           |
| U.S.S.R-----  | 1             | 33,644    | 3             | 75,849     |               |            |               |            |               |            |                       |           |
| Yugoslavia-----   | 1             | 848       | 4             | 128,805    |               |            |               |            |               |            |                       |           |
| Total-----  | 2             | 34,492    | 64            | 268,125    |               |            |               |            |               |            |                       |           |
| Total U.S. exports-----   | 2,880         | 5,591,118 | 7,328         | 11,205,657 |               |            |               |            |               |            |                       |           |

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country   | 1972          |            | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|--|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|  | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 715.1071 Metalcutting machine tools, new, valued under \$1,000 each: 5/                      |               |            |               |            |               |            |               |            |               |            |                       |           |
| Czechoslovakia-----  | n.a.          | n.a.       | n.a.          | n.a.       | 1             | 938        | 2             | 1,130      | 0             | 0          | 0                     | 0         |
| Poland-----  | n.a.          | n.a.       | n.a.          | n.a.       | 3             | 1,200      | 2             | 1,356      | 4             | 676        | 2                     | 1,842     |
| U.S.S.R-----   | n.a.          | n.a.       | n.a.          | n.a.       | 541           | 70,107     | 18            | 10,964     | 0             | 0          | 0                     | 0         |
| Yugoslavia-----  | n.a.          | n.a.       | n.a.          | n.a.       | 10            | 3,378      | 18            | 9,106      | 0             | 0          | 0                     | 0         |
| Romania-----   | n.a.          | n.a.       | n.a.          | n.a.       | 1             | 506        | 0             | 0          | 0             | 0          | 0                     | 0         |
| People's Rep. of China---  | n.a.          | n.a.       | n.a.          | n.a.       | 0             | 0          | 0             | 0          | 8             | 4,693      | 0                     | 0         |
| Total-----   | n.a.          | n.a.       | n.a.          | n.a.       | 556           | 76,129     | 40            | 22,556     | 12            | 5,369      | 2                     | 1,842     |
| Total U.S. exports---  | n.a.          | n.a.       | n.a.          | n.a.       | 24,460        | 6,531,294  | 49,003        | 9,050,131  | 95,480        | 8,860,945  | 31,331                | 2,257,598 |
| 715.1072 Metalcutting machine tools, used or rebuilt: 6/                                     |               |            |               |            |               |            |               |            |               |            |                       |           |
| German Democratic Rep---   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Czechoslovakia-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Hungary-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Poland-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 57,000     | 0                     | 0         |
| U.S.S.R-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Yugoslavia-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Albania-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Bulgaria-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 57,000     | 0                     | 0         |
| Total U.S. exports---  | 2,218         | 10,939,619 | 1,980         | 10,925,134 | 2,965         | 18,815,163 | 2,889         | 15,233,929 | 1,980         | 15,959,792 | 350                   | 1,950,172 |
| 715.1074 Punching and shearing machines, metalworking, new, valued \$1,000 and over each: 5/ |               |            |               |            |               |            |               |            |               |            |                       |           |
| Hungary-----   | 1             | 76,420     | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Poland-----  | 0             | 0          | 33            | 13,733     | 0             | 0          | 6             | 100,651    | 0             | 0          | 0                     | 0         |
| U.S.S.R-----   | 1             | 7,443      | 0             | 0          | 2             | 520,243    | 0             | 0          | 11            | 1,392,352  | 14                    | 1,019,739 |
| Yugoslavia-----  | 0             | 0          | 3             | 29,453     | 0             | 0          | 1             | 60,875     | 1             | 4,200      | 0                     | 0         |
| Bulgaria-----  | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 112,208    | 1             | 7,096      | 0                     | 0         |
| Total-----   | 2             | 83,863     | 36            | 43,186     | 2             | 520,243    | 8             | 273,734    | 13            | 1,403,648  | 14                    | 1,019,739 |
| Total U.S. exports---  | 1,970         | 5,940,583  | 1,634         | 4,987,014  | 697           | 9,366,501  | 606           | 13,816,353 | 713           | 20,241,253 | 178                   | 3,724,361 |
| 715.1076 Bending and forming machines, metalworking, new, valued \$1,000 and over each: 6/   |               |            |               |            |               |            |               |            |               |            |                       |           |
| Czechoslovakia-----  | 0             | 0          | 2             | 26,600     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Hungary-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 166,181    | 0                     | 0         |
| Poland-----  | 1             | 2,465      | 13            | 252,155    | 2             | 202,469    | 11            | 832,908    | 12            | 1,067,882  | 0                     | 0         |
| U.S.S.R-----   | 11            | 301,499    | 0             | 0          | 8             | 1,067,272  | 66            | 1,454,533  | 17            | 620,324    | 6                     | 821,564   |
| Yugoslavia-----  | 0             | 0          | 5             | 64,901     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----   | 0             | 0          | 0             | 0          | 1             | 153,252    | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----   | 12            | 303,964    | 20            | 343,656    | 11            | 1,422,993  | 77            | 2,287,441  | 30            | 1,854,387  | 6                     | 821,564   |
| Total U.S. exports---  | 1,914         | 11,895,152 | 2,432         | 16,288,161 | 1,865         | 21,343,938 | 1,855         | 22,933,014 | 1,957         | 26,018,637 | 574                   | 5,822,443 |

See footnotes at end of table.

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

| Schedule B item No.,<br>description, and country   | (Quantity in units; values in U.S. dollars) |            |               |            |               |            |               |            |               |            |                       |           |
|--|---|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|  | 1972  |            | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|  | Quan-<br>tity                               | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 715.1078 Hydraulic and pneumatic presses, metalworking, new, valued \$1,000 and over each: <u>6/</u> | :   | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| Czechoslovakia-----  | 0   | 0          | 8             | 28,745     | 0             | 0          | 1             | 14,779     | 0             | 0          | 0                     | 0         |
| Hungary-----   | 0   | 0          | 0             | 0          | 0             | 0          | 5             | 46,360     | 0             | 0          | 0                     | 0         |
| Poland-----  | 2   | 12,300     | 9             | 54,579     | 2             | 36,700     | 4             | 1,021,377  | 5             | 3,573,091  | 4                     | 869,018   |
| U.S.S.R-----   | 33  | 785,866    | 1             | 18,112     | 20            | 1,436,269  | 22            | 964,962    | 49            | 3,458,000  | 11                    | 581,657   |
| Yugoslavia-----  | 0   | 0          | 4             | 40,339     | 1             | 1,598      | 10            | 112,787    | 3             | 846,168    | 0                     | 0         |
| Albania-----   | 0   | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----   | 0   | 0          | 1             | 75,407     | 4             | 72,582     | 13            | 1,382,425  | 1             | 193,869    | 0                     | 0         |
| Bulgaria-----  | 6   | 69,070     | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----   | 41  | 867,236    | 23            | 168,132    | 27            | 1,547,149  | 55            | 3,542,690  | 58            | 8,071,128  | 15                    | 1,450,675 |
| Total U.S. exports-----  | 1,747                                       | 18,141,786 | 2,359         | 26,072,691 | 1,525         | 27,478,414 | 1,480         | 37,524,414 | 1,332         | 46,826,499 | 347                   | 7,907,189 |
| 715.1080 Mechanical and manual presses, metalworking, new, valued \$1,000 and over each: <u>6/</u>   | :   | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| Poland-----  | 0   | 0          | 0             | 0          | 0             | 0          | 3             | 689,444    | 6             | 3,477,941  | 0                     | 0         |
| U.S.S.R-----   | 2   | 2,560      | 0             | 0          | 146           | 16,801,161 | 38            | 10,638,173 | 40            | 1,250,041  | 3                     | 1,256,768 |
| Yugoslavia-----  | 2   | 188,297    | 18            | 482,880    | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----   | 0   | 0          | 0             | 0          | 0             | 0          | 1             | 228,250    | 0             | 0          | 0                     | 0         |
| Total-----   | 4   | 190,857    | 18            | 482,880    | 146           | 16,801,161 | 42            | 11,555,867 | 46            | 4,727,982  | 3                     | 1,256,768 |
| Total U.S. exports-----  | 2,111                                       | 15,866,638 | 2,115         | 15,638,284 | 1,115         | 31,100,096 | 767           | 28,509,681 | 900           | 33,219,456 | 209                   | 5,032,282 |
| 715.1081 Headers and upsetters, metalworking, new, valued \$1,000 and over each: <u>7/</u>           | :   | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| Czechoslovakia-----  | n.a.  | n.a.       | 1             | 2,797      | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Poland-----  | n.a.  | n.a.       | 0             | 0          | 2             | 14,410     | 0             | 0          | 0             | 0          | 0                     | 0         |
| U.S.S.R-----   | n.a.  | n.a.       | 0             | 0          | 1             | 241,129    | 2             | 99,311     | 10            | 1,335,183  | 0                     | 0         |
| Yugoslavia-----  | n.a.  | n.a.       | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 41,546     | 0                     | 0         |
| Total-----   | n.a.  | n.a.       | 1             | 2,797      | 3             | 255,539    | 2             | 99,311     | 11            | 1,376,729  | 0                     | 0         |
| Total U.S. exports-----  | n.a.  | n.a.       | 135           | 9,198,730  | 141           | 8,161,437  | 127           | 8,718,315  | 242           | 10,548,549 | 24                    | 1,415,992 |
| 715.1082 Forging machines, (except presses) metalworking, new: <u>8/</u>                             | :   | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| U.S.S.R-----   | 2   | 240,894    | n.a.          | n.a.       |               |            |               |            |               |            |                       |           |
| Total-----   | 2   | 240,894    | n.a.          | n.a.       |               |            |               |            |               |            |                       |           |
| Total U.S. exports-----  | 246   | 11,246,629 | n.a.          | n.a.       |               |            |               |            |               |            |                       |           |

See footnotes at end of table.

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country   | (Quantity) in units, |            |                 |            |                 |            |                 |            |                 |            |                       |            | January-March<br>1977 |
|--|----------------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------|------------|-----------------------|------------|-----------------------|
|  | 1972                 |            | 1973            |            | 1974            |            | 1975            |            | 1976            |            | Quan-<br>tity : Value |            |                       |
|  | Quan-<br>tity :      | Value      | Quan-<br>tity : | Value      | Quan-<br>tity : | Value      | Quan-<br>tity : | Value      | Quan-<br>tity : | Value      | Quan-<br>tity :       | Value      | Quan-<br>tity :       |
| 715.1083 Forging machines<br>(except presses, headers and<br>upsetters), metalworking,<br>new, valued \$1,000 and over<br>each: 7/ | :                    | :          | :               | :          | :               | :          | :               | :          | :               | :          | :                     | :          | :                     |
| Poland-----  | n.a.                 | n.a.       | 0               | 0          | 2               | 2,539      | 1               | 310,376    | 0               | 0          | 0                     | 0          | 0                     |
| Yugoslavia-----  | n.a.                 | n.a.       | 1               | 91,630     | 0               | 0          | 0               | 0          | 0               | 0          | 0                     | 0          | 0                     |
| Total-----   | n.a.                 | n.a.       | 1               | 91,630     | 2               | 2,539      | 1               | 310,376    | 0               | 0          | 0                     | 0          | 0                     |
| Total U.S. exports-----  | n.a.                 | n.a.       | 237             | 4,517,239  | 151             | 2,665,806  | 124             | 3,780,396  | 110             | 2,991,365  | 30                    | 1,127,453  |                       |
| 715.1084 Metal container-making<br>machines, n.e.c., new,<br>valued \$1,000 and over each: 6/                                      | :                    | :          | :               | :          | :               | :          | :               | :          | :               | :          | :                     | :          |                       |
| U.S.S.R-----   | 0                    | 0          | 0               | 0          | 5               | 1,512,987  | 32              | 4,305,784  | 94              | 7,686,778  | 0                     | 0          | 0                     |
| Total-----   | 0                    | 0          | 0               | 0          | 5               | 1,512,987  | 32              | 4,305,784  | 94              | 7,686,778  | 0                     | 0          | 0                     |
| Total U.S. exports-----  | 1,105                | 6,900,661  | 688             | 11,526,595 | 509             | 16,726,375 | 407             | 17,044,896 | 568             | 23,601,555 | 171                   | 4,163,308  |                       |
| 715.1085 Metalforming machines,<br>new, n.e.c., valued \$1,000<br>and over each: 6/  | :                    | :          | :               | :          | :               | :          | :               | :          | :               | :          | :                     | :          |                       |
| Poland-----  | 0                    | 0          | 0               | 0          | 0               | 0          | 1               | 506,374    | 0               | 0          | 0                     | 0          | 0                     |
| U.S.S.R-----   | 1                    | 860,041    | 0               | 0          | 0               | 0          | 6               | 966,895    | 4               | 338,721    | 3                     | 264,220    |                       |
| Yugoslavia-----  | 0                    | 0          | 0               | 0          | 0               | 0          | 5               | 134,751    | 0               | 0          | 0                     | 0          | 0                     |
| Romania-----   | 0                    | 0          | 0               | 0          | 1               | 3,229      | 0               | 0          | 0               | 0          | 0                     | 0          | 0                     |
| Total-----   | 1                    | 860,041    | 0               | 0          | 1               | 3,229      | 12              | 1,608,020  | 4               | 338,721    | 3                     | 264,220    |                       |
| Total U.S. exports-----  | 1,007                | 3,797,129  | 957             | 5,614,189  | 509             | 6,057,504  | 464             | 9,249,263  | 306             | 6,504,134  | 90                    | 1,292,868  |                       |
| 715.1087 Metalworking machines,<br>new, n.e.c., valued \$1,000<br>and over each: 6/  | :                    | :          | :               | :          | :               | :          | :               | :          | :               | :          | :                     | :          |                       |
| Czechoslovakia-----  | 2                    | 124,560    | 0               | 0          | 1               | 3,000      | 0               | 0          | 2               | 94,427     | 0                     | 0          | 0                     |
| Hungary-----   | 0                    | 0          | 0               | 0          | 0               | 0          | 0               | 0          | 0               | 0          | 0                     | 0          | 0                     |
| Poland-----  | 0                    | 0          | 0               | 0          | 3               | 43,322     | 1               | 20,805     | 8               | 824,829    | 3                     | 138,108    |                       |
| U.S.S.R-----   | 1                    | 10,250     | 28              | 4,326,399  | 9               | 1,698,752  | 9               | 3,012,237  | 18              | 259,434    | 0                     | 0          | 0                     |
| Yugoslavia-----  | 0                    | 0          | 19              | 660,484    | 14              | 411,426    | 11              | 107,624    | 16              | 555,661    | 0                     | 0          | 0                     |
| Albania-----   | 0                    | 0          | 0               | 0          | 0               | 0          | 0               | 0          | 0               | 0          | 0                     | 0          | 0                     |
| Romania-----   | 2                    | 6,014      | 1               | 381,371    | 2               | 97,761     | 0               | 0          | 0               | 0          | 0                     | 0          | 0                     |
| People's Rep. of China-----  | 0                    | 0          | 0               | 0          | 0               | 0          | 11              | 1,894,002  | 0               | 0          | 0                     | 0          | 0                     |
| Total-----   | 5                    | 140,824    | 48              | 5,368,254  | 29              | 2,254,261  | 32              | 5,034,668  | 54              | 1,734,351  | 3                     | 138,108    |                       |
| Total U.S. exports-----  | 6,617                | 26,948,593 | 6,481           | 37,104,073 | 2,422           | 39,218,501 | 2,370           | 63,633,350 | 2,491           | 66,996,570 | 573                   | 11,142,681 |                       |

Table 14.--U.S. machine tool exports to the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| Schedule B item No.,<br>description, and country  | 1972          |            | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |            |
|---|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|------------|
|   | Quan-<br>tity | Value      | Quan-<br>tity         | Value      |
| 715.1089 Metalworking machine tools (except metalcutting), new, valued under \$1,000 each: 9/ |               |            |               |            |               |            |               |            |               |            |                       |            |
| Poland-----   | n.a.          | n.a.       | n.a.          | n.a.       | 0             | 0          | 0             | 0          | 6             | 6,173      | 0                     | 0          |
| U.S.S.R-----  | n.a.          | n.a.       | n.a.          | n.a.       | 12            | 11,700     | 0             | 0          | 0             | 0          | 0                     | 0          |
| Yugoslavia-----   | n.a.          | n.a.       | n.a.          | n.a.       | 2             | 1,178      | 5             | 4,874      | 4             | 1,180      | 40                    | 2,571      |
| Romania-----  | n.a.          | n.a.       | n.a.          | n.a.       | 19            | 10,146     | 0             | 0          | 0             | 0          | 0                     | 0          |
| Total-----  | n.a.          | n.a.       | n.a.          | n.a.       | 33            | 23,024     | 5             | 4,874      | 10            | 7,353      | 40                    | 2,571      |
| Total U.S. exports-----   | n.a.          | n.a.       | n.a.          | n.a.       | 10,321        | 2,859,188  | 9,733         | 3,567,294  | 17,101        | 4,146,260  | 6,350                 | 1,173,842  |
| 715.1090 Metalworking machine tools (except metalcutting), used or rebuilt: 10/               |               |            |               |            |               |            |               |            |               |            |                       |            |
| U.S.S.R-----  | 0             | 0          | 1             | 5,892      | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0          |
| Yugoslavia-----   | 0             | 0          | 19            | 135,000    | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0          |
| Romania-----  | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 50,010     | 0             | 0          | 0                     | 0          |
| Total-----  | 0             | 0          | 20            | 140,892    | 0             | 0          | 1             | 50,010     | 0             | 0          | 0                     | 0          |
| Total U.S. exports-----   | 3,851         | 10,958,058 | 3,186         | 14,115,673 | 3,819         | 14,489,636 | 4,937         | 15,750,859 | 3,719         | 15,631,119 | 864                   | 3,406,808  |
| 719.5452 Parts, n.e.c., for metal-cutting type machine tools:                                 |               |            |               |            |               |            |               |            |               |            |                       |            |
| Czechoslovakia-----   | n.a.          | 2,703      | n.a.          | 1,757      | n.a.          | 0          | n.a.          | 3,010      | n.a.          | 1,800      | n.a.                  | 0          |
| Hungary-----  | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 14,145     | n.a.          | 6,904      | n.a.                  | 142,014    |
| Poland-----   | n.a.          | 21,753     | n.a.          | 86,293     | n.a.          | 350,479    | n.a.          | 763,259    | n.a.          | 702,922    | n.a.                  | 38,293     |
| U.S.S.R-----  | n.a.          | 147,981    | n.a.          | 121,294    | n.a.          | 309,433    | n.a.          | 4,904,283  | n.a.          | 5,214,162  | n.a.                  | 541,080    |
| Yugoslavia-----   | n.a.          | 45,584     | n.a.          | 65,670     | n.a.          | 26,766     | n.a.          | 51,115     | n.a.          | 273,740    | n.a.                  | 4,094      |
| Romania-----  | n.a.          | 2,250      | n.a.          | 2,584      | n.a.          | 0          | n.a.          | 1,200      | n.a.          | 527,715    | n.a.                  | 0          |
| People's Republic of China-----   | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 39,625     | n.a.                  | 0          |
| Total-----  | n.a.          | 220,271    | n.a.          | 277,598    | n.a.          | 686,678    | n.a.          | 5,737,012  | n.a.          | 6,766,868  | n.a.                  | 725,481    |
| Total U.S. exports-----   | n.a.          | 41,441,359 | n.a.          | 43,268,377 | n.a.          | 56,407,993 | n.a.          | 74,137,257 | n.a.          | 72,927,162 | n.a.                  | 16,143,299 |
| 719.5454 Parts, n.e.c., for metalworking type (except metal-cutting) machine tools:           |               |            |               |            |               |            |               |            |               |            |                       |            |
| German Democratic Republic-----   | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 1,206      | n.a.          | 0          | n.a.                  | 0          |
| Czechoslovakia-----   | n.a.          | 0          | n.a.          | 11,680     | n.a.          | 3,903      | n.a.          | 1,013      | n.a.          | 48,483     | n.a.                  | 0          |
| Poland-----   | n.a.          | 29,564     | n.a.          | 1,141      | n.a.          | 186,170    | n.a.          | 640,772    | n.a.          | 1,275,931  | n.a.                  | 13,500     |
| U.S.S.R-----  | n.a.          | 600,699    | n.a.          | 124,492    | n.a.          | 48,889     | n.a.          | 766,447    | n.a.          | 2,262,754  | n.a.                  | 248,237    |
| Yugoslavia-----   | n.a.          | 12,291     | n.a.          | 29,475     | n.a.          | 156,601    | n.a.          | 512,888    | n.a.          | 132,223    | n.a.                  | 0          |
| Romania-----  | n.a.          | 2,213      | n.a.          | 23,896     | n.a.          | 4,991      | n.a.          | 0          | n.a.          | 1,324,482  | n.a.                  | 24,017     |
| Bulgaria-----   | n.a.          | 0          | n.a.          | 83,077     | n.a.          | 0          | n.a.          | 19,815     | n.a.          | 9,760      | n.a.                  | 0          |
| People's Republic of China-----   | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 13,301     | n.a.                  | 0          |
| Total-----  | n.a.          | 644,767    | n.a.          | 273,761    | n.a.          | 400,554    | n.a.          | 1,942,141  | n.a.          | 5,066,934  | n.a.                  | 285,754    |
| Total U.S. exports-----   | n.a.          | 36,919,153 | n.a.          | 48,208,404 | n.a.          | 66,268,343 | n.a.          | 64,113,870 | n.a.          | 63,294,448 | n.a.                  | 16,108,271 |

Footnotes to table 14--

1/ This number became effective Jan. 1, 1974. Formerly part of number 715.1070.

2/ For classification of new metalcutting machine tools valued under \$1,000 each see number 715.1071, which became effective Jan. 1, 1974. Figures before Jan. 1, 1974 include metalcutting machine tools at all values.

3/ This number became effective Jan. 1, 1974. Formerly part of number 715.1070.

4/ This number became obsolete Jan. 1, 1974. The products formerly classified under this number were then shifted to numbers 715.1001, 715.1069, 715.1071, all new numbers as of that date.

5/ This number became effective Jan. 1, 1974. Formerly part of number 715.1070. This number also includes metalcutting machine tools valued under \$1,000 each previously included in numbers 715.1002 through 715.1068. Numbers 715.1002 through 715.1068 are still good but effective Jan. 1974, they cover only metalcutting machine tools valued \$1,000 and over, each.

6/ For classification of new metalworking machine tools (except metalcutting) valued under \$1,000 each see number 715.1089, which became effective Jan. 1, 1974. Figures before Jan. 1, 1974 include metalworking machine tools of all values.

7/ This number became effective Jan. 1, 1973. Formerly part of number 715.1082.

8/ This number became obsolete Jan. 1, 1973 when it was replaced by numbers 715.1081 and 715.1083.

9/ This number became effective Jan. 1, 1974. Formerly part of 715.1070. This number also includes metalworking machine tools (except metalcutting) valued under \$1,000 each previously included in 715.1074 through 715.1087. Numbers 715.1074 through 715.1087 are still good but effective Jan. 1974 they cover metalworking machine tools (except metalcutting) valued \$1,000 and over, each.

10/ This number became effective Jan. 1, 1974. It replaced 715.1088 which became obsolete on Jan. 1, 1974.

Note.--The data in this table includes export figures for U.S. trade with all nonmarket economies discussed in this report. NME countries not specifically named in a machine tool category did not import that product from the U.S. in the years shown in this table.

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Source: U.S. Department of Commerce microfilm EQ-629.

Table 15.--U.S. machine tool imports from the nonmarket economies, 1972-1976, and 1st quarter 1977

(Quantity in units; values in U.S. dollars)

| TSUSA item No.,<br>description, and country   | 1972          |           | 1973          |           | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|---|---------------|-----------|---------------|-----------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|   | Quan-<br>tity | Value     | Quan-<br>tity | Value     | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 674.3000 Machine tools, metalworking<br>for cutting or hobbing gears:   |               |           |               |           |               |            |               |            |               |            |                       |           |
| German Democratic Republic-----   | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 56,489     | 6             | 175,530    | 0                     | 0         |
| Czechoslovakia-----   | 1             | 15,696    | 1             | 6,140     | 2             | 24,913     | 5             | 117,275    | 16            | 259,818    | 5                     | 91,617    |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 150,000    | 0             | 0          | 2                     | 197,708   |
| Romania-----  | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 1             | 22,115     | 0                     | 0         |
| Total-----  | 1             | 15,696    | 1             | 6,140     | 2             | 24,913     | 7             | 323,764    | 23            | 457,463    | 7                     | 289,325   |
| Total U.S. imports-----   | 250           | 4,461,079 | 134           | 4,661,732 | 343           | 10,708,315 | 365           | 20,658,885 | 198           | 16,884,795 | 70                    | 3,707,138 |
| 674.3210 Boring, drilling, milling<br>machines and vertical turret<br>lathes, metal-working, numeri-<br>cally controlled: |               |           |               |           |               |            |               |            |               |            |                       |           |
| German Democratic Republic-----   | 1             | 2,772     | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Czechoslovakia-----   | 1             | 1,468     | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 1             | 5,077      | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----  | 2             | 4,240     | 0             | 0         | 1             | 5,077      | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total U.S. imports-----   | 30            | 2,303,037 | 12            | 628,378   | 42            | 1,542,674  | 47            | 1,741,883  | 113           | 2,996,406  | 37                    | 1,213,289 |
| 674.3230 Drilling machines, radial,<br>metal-working, except numeri-<br>cally controlled:                                 |               |           |               |           |               |            |               |            |               |            |                       |           |
| German Democratic Republic-----   | 4             | 10,784    | 4             | 10,370    | 6             | 35,654     | 4             | 15,819     | 7             | 22,666     | 0                     | 0         |
| Czechoslovakia-----   | 44            | 73,642    | 31            | 74,521    | 21            | 91,283     | 5             | 39,920     | 7             | 35,354     | 3                     | 15,352    |
| Hungary-----  | 1             | 11,793    | 2             | 16,856    | 1             | 5,180      | 0             | 0          | 4             | 28,109     | 0                     | 0         |
| Poland-----   | 0             | 0         | 0             | 0         | 12            | 74,933     | 1             | 13,582     | 7             | 55,648     | 5                     | 54,623    |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 4             | 31,955     | 0                     | 0         |
| Romania-----  | 0             | 0         | 0             | 0         | 0             | 0          | 3             | 4,440      | 120           | 257,118    | 3                     | 5,388     |
| People's Republic of China-----   | 0             | 0         | 1             | 3,193     | 0             | 0          | 3             | 15,237     | 3             | 11,799     | 0                     | 0         |
| Total-----  | 49            | 96,219    | 38            | 104,940   | 40            | 207,050    | 16            | 88,998     | 152           | 442,649    | 11                    | 75,363    |
| Total U.S. imports-----   | 2,041         | 2,425,823 | 1,072         | 3,019,811 | 1,830         | 5,162,009  | 1,426         | 6,718,119  | 1,638         | 8,318,023  | 630                   | 2,377,383 |
| 674.3232 Drilling machines, upright,<br>single spindle, metal-working,<br>except numerically controlled:                  |               |           |               |           |               |            |               |            |               |            |                       |           |
| German Democratic Republic-----   | 0             | 0         | 0             | 0         | 2             | 2,101      | 1             | 2,728      | 4             | 10,912     | 2                     | 5,456     |
| Czechoslovakia-----   | 4             | 11,634    | 38            | 47,487    | 10            | 23,616     | 4             | 6,330      | 12            | 61,683     | 1                     | 9,561     |
| Poland-----   | 0             | 0         | 1             | 4,691     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 700        | 0             | 0          | 0                     | 0         |
| Yugoslavia-----   | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 12            | 42,706     | 0                     | 0         |
| Romania-----  | 0             | 0         | 1             | 1,390     | 3             | 32,110     | 5             | 10,146     | 9             | 18,261     | 92                    | 181,365   |
| Bulgaria-----   | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 6             | 5,322      | 1                     | 887       |
| People's Republic of China-----   | 0             | 0         | 3             | 407       | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----  | 4             | 11,634    | 43            | 53,975    | 15            | 57,827     | 11            | 19,904     | 43            | 138,884    | 96                    | 197,269   |
| Total U.S. imports-----   | 6,192         | 1,844,203 | 7,469         | 2,548,482 | 10,098        | 3,654,981  | 10,328        | 2,722,823  | 48,509        | 7,026,161  | 11,881                | 1,693,363 |

Table 15.--U.S. machine tool imports from the nonmarket economies, 1972-1976, and 1st quarter 1977 --Continued  
 (Quantity in units; values in U.S. dollars)

| TSUSA item No.,<br>description, and country   | 1972          |           | 1973          |           | 1974          |           | 1975          |            | 1976          |            | January-March<br>1977 |           |
|---|---------------|-----------|---------------|-----------|---------------|-----------|---------------|------------|---------------|------------|-----------------------|-----------|
|   | Quan-<br>tity | Value     | Quan-<br>tity | Value     | Quan-<br>tity | Value     | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 674.3238 Milling machines, profile<br>and duplicating, metal-working,<br>except numerically controlled:                     |               |           |               |           |               |           |               |            |               |            |                       |           |
| German Democratic Republic-----   | 1             | 5,339     | 1             | 5,657     | 3             | 21,884    | 1             | 5,660      | 0             | 0          | 0                     | 0         |
| Czechoslovakia-----   | 1             | 3,988     | 10            | 130,843   | 11            | 88,222    | 13            | 82,362     | 4             | 28,692     | 0                     | 0         |
| Poland-----   | 0             | 0         | 1             | 9,438     | 8             | 68,968    | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----  | 0             | 0         | 0             | 0         | 1             | 79,750    | 0             | 0          | 0             | 0          | 0                     | 0         |
| Bulgaria-----   | 0             | 0         | 0             | 0         | 1             | 6,733     | 0             | 0          | 0             | 0          | 0                     | 0         |
| People's Republic of China-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 7,524      | 0                     | 0         |
| Total-----  | 2             | 9,337     | 12            | 145,938   | 24            | 265,557   | 14            | 88,022     | 5             | 36,216     | 0                     | 0         |
| Total U.S. imports-----   | 435           | 2,015,618 | 353           | 3,719,247 | 449           | 7,262,728 | 327           | 6,638,032  | 341           | 6,900,091  | 112                   | 1,452,071 |
| 674.3250 Milling machines, knee-<br>type, metal-working, except<br>numerically controlled:                                  |               |           |               |           |               |           |               |            |               |            |                       |           |
| German Democratic Republic-----   | 0             | 0         | 1             | 9,000     | 0             | 0         | 0             | 0          | 0             | 0          | 0                     | 0         |
| Czechoslovakia-----   | 5             | 12,673    | 1             | 16,481    | 11            | 28,460    | 0             | 0          | 0             | 0          | 0                     | 0         |
| Poland-----   | 2             | 17,400    | 10            | 86,460    | 5             | 42,324    | 6             | 53,543     | 10            | 81,780     | 1                     | 11,741    |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0         | 1             | 10,300     | 3             | 275,423    | 0                     | 0         |
| Yugoslavia-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0          | 2             | 9,377      | 1                     | 12,242    |
| Romania-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0          | 5             | 224,629    | 0                     | 0         |
| People's Republic of China-----   | 0             | 0         | 0             | 0         | 1             | 6,635     | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----  | 7             | 30,073    | 12            | 111,941   | 17            | 77,419    | 7             | 63,843     | 20            | 591,209    | 2                     | 23,983    |
| Total U.S. imports-----   | 562           | 2,593,342 | 879           | 4,867,063 | 1,524         | 9,284,482 | 1,575         | 11,141,927 | 1,026         | 8,312,297  | 250                   | 1,914,531 |
| 674.3254 Milling machines, bed-type;<br>metal-working, except numeri-<br>cally controlled:                                  |               |           |               |           |               |           |               |            |               |            |                       |           |
| German Democratic Republic-----   | 1             | 26,666    | 5             | 19,605    | 1             | 4,999     | 0             | 0          | 1             | 20,671     | 1                     | 8,952     |
| Czechoslovakia-----   | 4             | 9,249     | 1             | 7,515     | 0             | 0         | 0             | 0          | 1             | 445        | 1                     | 30,503    |
| Poland-----   | 0             | 0         | 0             | 0         | 1             | 3,000     | 10            | 84,122     | 4             | 40,596     | 5                     | 50,301    |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 12            | 42,894    | 0             | 0          | 3             | 312,669    | 2                     | 895       |
| Romania-----  | 0             | 0         | 0             | 0         | 0             | 0         | 3             | 143,299    | 26            | 679,455    | 0                     | 0         |
| Bulgaria-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 33,279     | 0                     | 0         |
| Total-----  | 5             | 35,915    | 6             | 27,120    | 14            | 50,893    | 13            | 227,421    | 36            | 1,087,115  | 9                     | 90,651    |
| Total U.S. imports-----   | 444           | 2,899,057 | 528           | 3,804,465 | 340           | 3,231,428 | 665           | 5,539,458  | 1,046         | 10,657,608 | 277                   | 2,006,514 |
| 674.3258 Vertical boring machines,<br>including vertical turret<br>lathes, metal-working, except<br>numerically controlled: |               |           |               |           |               |           |               |            |               |            |                       |           |
| German Democratic Republic-----   | 2             | 16,743    | 1             | 8,432     | 1             | 6,671     | 5             | 113,992    | 8             | 136,255    | 1                     | 4,000     |
| Czechoslovakia-----   | 13            | 772,053   | 4             | 34,106    | 0             | 0         | 0             | 0          | 12            | 293,276    | 2                     | 45,000    |
| Poland-----   | 1             | 2,000     | 0             | 0         | 3             | 555,844   | 2             | 198,740    | 11            | 423,206    | 1                     | 36,593    |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0          | 2             | 126,328    | 0                     | 0         |
| Yugoslavia-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 23                    | 342,768   |
| Romania-----  | 1             | 72,560    | 0             | 0         | 2             | 157,784   | 6             | 250,857    | 23            | 1,266,448  | 1                     | 58,300    |
| People's Republic of China-----   | 0             | 0         | 0             | 0         | 0             | 0         | 0             | 0          | 2             | 64,381     | 2                     | 103,696   |
| Total-----  | 17            | 863,356   | 5             | 42,538    | 6             | 720,299   | 13            | 563,589    | 58            | 2,309,894  | 30                    | 590,357   |
| Total U.S. imports-----   | 123           | 3,661,674 | 106           | 1,878,410 | 161           | 5,039,799 | 640           | 9,929,912  | 429           | 10,344,283 | 158                   | 2,317,829 |

Table 15.--U.S. machine tool imports from the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| TSUSA item No.,<br>description, and country  | 1972          |           | 1973          |           | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|--|---------------|-----------|---------------|-----------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|  | Quan-<br>tity | Value     | Quan-<br>tity | Value     | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 679.3270 Combination boring, drilling, milling machines, horizontal spindle, metal-working, except numerically controlled: |               |           |               |           |               |            |               |            |               |            |                       |           |
| German Democratic Republic-----  | 3             | 21,860    | 3             | 28,757    | 2             | 35,694     | 0             | 0          | 1             | 11,487     | 0                     | 0         |
| Czechoslovakia-----  | 28            | 533,174   | 15            | 127,478   | 22            | 729,980    | 9             | 939,108    | 5             | 124,653    | 1                     | 15,938    |
| Poland-----  | 0             | 0         | 0             | 0         | 3             | 78,696     | 4             | 27,070     | 0             | 0          | 1                     | 177,514   |
| U.S.S.R-----   | 0             | 0         | 0             | 0         | 0             | 0          | 2             | 78,470     | 3             | 202,267    | 0                     | 0         |
| Yugoslavia-----  | 1             | 62,803    | 1             | 73,824    | 1             | 98,333     | 0             | 0          | 15            | 862,763    | 2                     | 234,556   |
| Romania-----   | 0             | 0         | 0             | 0         | 10            | 236,500    | 8             | 234,713    | 11            | 498,214    | 1                     | 35,651    |
| Total-----   | 32            | 617,837   | 19            | 230,059   | 38            | 1,179,203  | 23            | 1,279,361  | 35            | 1,699,384  | 5                     | 463,659   |
| Total U.S. imports-----  | 107           | 3,380,747 | 91            | 4,412,924 | 209           | 6,327,846  | 160           | 7,289,467  | 185           | 8,720,450  | 66                    | 2,792,731 |
| 674.3275 Combination boring, drilling, milling machines, vertical spindle, metal-working, except numerically controlled:   |               |           |               |           |               |            |               |            |               |            |                       |           |
| German Democratic Republic-----  | 1             | 4,818     | 1             | 5,580     | 0             | 0          | 1             | 6,766      | 0             | 0          | 0                     | 0         |
| Czechoslovakia-----  | 3             | 30,175    | 2             | 12,230    | 2             | 30,158     | 6             | 105,832    | 2             | 12,744     | 2                     | 48,799    |
| Poland-----  | 0             | 0         | 0             | 0         | 15            | 1,333,178  | 11            | 693,330    | 3             | 269,600    | 0                     | 0         |
| U.S.S.R-----   | 0             | 0         | 0             | 0         | 0             | 0          | 2             | 94,502     | 0             | 0          | 0                     | 0         |
| Yugoslavia-----  | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 1             | 7,435      | 0                     | 0         |
| Romania-----   | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 54,934     | 8             | 450,940    | 15                    | 1,028,530 |
| Total-----   | 4             | 34,993    | 3             | 17,810    | 17            | 1,363,336  | 21            | 955,364    | 14            | 740,719    | 17                    | 1,077,329 |
| Total U.S. imports-----  | 54            | 690,664   | 62            | 933,997   | 128           | 3,099,896  | 154           | 3,785,520  | 257           | 3,339,826  | 51                    | 1,649,643 |
| 674.3280 Boring, drilling, milling machines, metal-working, except numerically controlled, not elsewhere specified:        |               |           |               |           |               |            |               |            |               |            |                       |           |
| German Democratic Republic-----  | 3             | 49,557    | 3             | 73,077    | 7             | 59,532     | 11            | 284,082    | 10            | 253,158    | 4                     | 103,352   |
| Czechoslovakia-----  | 7             | 44,233    | 10            | 202,845   | 21            | 468,036    | 26            | 581,088    | 33            | 1,385,479  | 10                    | 119,140   |
| Hungary-----   | 0             | 0         | 0             | 0         | 0             | 0          | 2             | 40,216     | 0             | 0          | 0                     | 0         |
| Poland-----  | 0             | 0         | 1             | 85,000    | 0             | 0          | 2             | 6,845      | 7             | 166,650    | 0                     | 0         |
| U.S.S.R-----   | 0             | 0         | 0             | 0         | 1             | 48,200     | 5             | 246,961    | 4             | 158,058    | 0                     | 0         |
| Yugoslavia-----  | 1             | 1,384     | 15            | 427,883   | 8             | 579,216    | 11            | 524,547    | 6             | 547,775    | 0                     | 0         |
| Romania-----   | 0             | 0         | 1             | 21,500    | 6             | 11,820     | 2             | 4,020      | 0             | 0          | 0                     | 0         |
| Total-----   | 11            | 95,174    | 30            | 810,305   | 43            | 1,166,804  | 59            | 1,687,759  | 60            | 2,511,120  | 14                    | 222,492   |
| Total U.S. imports-----  | 759           | 3,596,777 | 554           | 6,521,200 | 1,186         | 12,821,610 | 1,520         | 18,396,285 | 2,235         | 15,630,123 | 525                   | 3,390,890 |

Table 15.--U.S. machine tool imports from the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued  
 (Quantity in units; values in U.S. dollars)

| TSUSA item No.,<br>description, and country                                   | 1972          |            | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |            |
|---|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|------------|
|   | Quan-<br>tity | Value      | Quan-<br>tity         | Value      |
| 674.3504 Engine lathes, metal-cutting machine tools:                          | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| German Democratic Republic-----   | 7             | 69,186     | 12            | 94,646     | 8             | 75,103     | 2             | 27,443     | 8             | 51,535     | 2                     | 18,451     |
| Czechoslovakia-----   | 41            | 188,032    | 85            | 305,787    | 157           | 707,464    | 117           | 637,606    | 189           | 963,401    | 34                    | 287,779    |
| Hungary-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 2,188      | 0                     | 0          |
| Poland-----   | 23            | 377,086    | 190           | 1,214,315  | 449           | 2,221,586  | 152           | 883,726    | 138           | 1,468,159  | 142                   | 381,574    |
| U.S.S.R-----  | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 23,000     | 5             | 361,210    | 2                     | 7,081      |
| Yugoslavia-----   | 147           | 364,982    | 237           | 705,710    | 246           | 861,117    | 165           | 1,099,061  | 233           | 1,703,503  | 122                   | 1,032,484  |
| Romania-----  | 0             | 0          | 0             | 0          | 2             | 12,248     | 0             | 0          | 0             | 0          | 0                     | 0          |
| Bulgaria-----   | 0             | 0          | 2             | 6,584      | 2             | 10,252     | 0             | 0          | 0             | 0          | 0                     | 0          |
| People's Republic of China-----   | 0             | 0          | 0             | 0          | 0             | 0          | 42            | 70,462     | 71            | 111,858    | 27                    | 132,205    |
| Total-----  | 218           | 999,286    | 526           | 2,327,042  | 864           | 3,887,770  | 479           | 2,741,298  | 645           | 4,661,854  | 329                   | 1,859,574  |
| Total U.S. imports-----   | 4,360         | 13,091,653 | 4,108         | 22,548,519 | 5,059         | 32,030,299 | 4,158         | 31,429,496 | 5,625         | 37,834,686 | 2,063                 | 11,882,667 |
| 674.3506 Turret lathes, except vertical turret lathes, metal-cutting:         | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| German Democratic Republic-----   | 1             | 4,096      | 0             | 0          | 3             | 49,113     | 1             | 9,178      | 0             | 0          | 0                     | 0          |
| Czechoslovakia-----   | 2             | 8,298      | 12            | 42,589     | 4             | 28,963     | 11            | 48,023     | 4             | 17,892     | 0                     | 0          |
| Hungary-----  | 1             | 80,441     | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0          |
| Poland-----   | 13            | 52,121     | 7             | 57,506     | 5             | 43,942     | 0             | 0          | 11            | 93,176     | 20                    | 145,083    |
| U.S.S.R-----  | 0             | 0          | 0             | 0          | 1             | 23,763     | 0             | 0          | 0             | 0          | 0                     | 0          |
| Yugoslavia-----   | 0             | 0          | 5             | 27,736     | 0             | 0          | 0             | 0          | 1             | 6,750      | 0                     | 0          |
| Romania-----  | 0             | 0          | 1             | 11,040     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0          |
| Bulgaria-----   | 1             | 3,614      | 1             | 4,332      | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0          |
| People's Republic of China-----   | 0             | 0          | 1             | 4,608      | 0             | 0          | 2             | 11,146     | 0             | 0          | 0                     | 0          |
| Total-----  | 18            | 148,570    | 27            | 147,811    | 13            | 145,781    | 14            | 68,347     | 16            | 117,818    | 20                    | 145,083    |
| Total U.S. imports-----   | 862           | 6,384,409  | 1,288         | 14,514,449 | 2,222         | 27,451,430 | 2,160         | 35,329,295 | 1,915         | 32,164,383 | 489                   | 10,336,814 |
| 674.3508 Automatic bar or chucking machines, single spindle, metal-cutting:   | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| Czechoslovakia-----   | 0             | 0          | 1             | 17,863     | 2             | 43,633     | 3             | 67,765     | 0             | 0          | 0                     | 0          |
| Poland-----   | 0             | 0          | 11            | 173,734    | 30            | 528,970    | 10            | 180,000    | 0             | 0          | 0                     | 0          |
| Total-----  | 0             | 0          | 12            | 191,597    | 32            | 572,603    | 13            | 247,765    | 0             | 0          | 0                     | 0          |
| Total U.S. imports-----   | 277           | 2,306,025  | 551           | 6,433,407  | 740           | 9,254,075  | 306           | 4,749,789  | 163           | 2,963,969  | 59                    | 882,891    |
| 674.3510 Automatic bar or chucking machines, multiple spindle, metal-cutting: | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| German Democratic Republic-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 2                     | 18,750     |
| Romania-----  | 0             | 0          | 0             | 0          | 0             | 0          | 2             | 14,244     | 0             | 0          | 0                     | 0          |
| Total-----  | 0             | 0          | 0             | 0          | 0             | 0          | 2             | 14,244     | 0             | 0          | 2                     | 18,750     |
| Total U.S. imports-----   | 79            | 1,086,285  | 111           | 2,176,094  | 166           | 4,373,395  | 121           | 5,456,790  | 98            | 3,987,505  | 59                    | 1,906,496  |

Table 15.--U.S. machine tool imports from the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| TSUSA item No.,<br>description, and country                                     | 1972          |           | 1973          |           | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|---|---------------|-----------|---------------|-----------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|   | Quan-<br>tity | Value     | Quan-<br>tity | Value     | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 674.3532 Grinding machines, cylind-<br>rical, external, metal-cutting:          | :             | :         | :             | :         | :             | :          | :             | :          | :             | :          | :                     | :         |
| German Democratic Republic-----   | 1             | 3,891     | 0             | 0         | 0             | 0          | 1             | 9,670      | 0             | 0          | 0                     | 0         |
| Czechoslovakia-----   | 17            | 56,551    | 23            | 94,562    | 41            | 255,123    | 20            | 127,145    | 42            | 272,929    | 16                    | 86,446    |
| Hungary-----  | 2             | 25,423    | 4             | 56,985    | 2             | 36,042     | 1             | 19,513     | 0             | 0          | 1                     | 16,747    |
| Poland-----   | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 1             | 19,387     | 0                     | 0         |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 1             | 4,062      | 0             | 0          | 0             | 0          | 0                     | 0         |
| Yugoslavia-----   | 3             | 29,409    | 0             | 0         | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Bulgaria-----   | 0             | 0         | 1             | 4,333     | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----  | 23            | 115,274   | 28            | 155,880   | 44            | 295,227    | 22            | 156,328    | 43            | 292,316    | 17                    | 103,193   |
| Total U.S. imports-----   | 798           | 2,561,099 | 673           | 5,685,285 | 785           | 9,137,397  | 479           | 8,881,589  | 1,255         | 9,413,416  | 259                   | 2,570,900 |
| 674.3534 Grinding machines, cylind-<br>rical, internal, metal-cutting:          | :             | :         | :             | :         | :             | :          | :             | :          | :             | :          | :                     | :         |
| German Democratic Republic-----   | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 14,380     | 0             | 0          | 0                     | 0         |
| Hungary-----  | 0             | 0         | 1             | 15,254    | 1             | 14,667     | 1             | 18,231     | 1             | 21,269     | 0                     | 0         |
| Total-----  | 0             | 0         | 1             | 15,254    | 1             | 14,667     | 2             | 32,611     | 1             | 21,269     | 0                     | 0         |
| Total U.S. imports-----   | 246           | 1,516,487 | 240           | 1,576,293 | 173           | 3,898,065  | 211           | 4,439,260  | 214           | 2,797,901  | 28                    | 757,497   |
| 674.3536 Grinding machines, surface;<br>metal-cutting machine tools:            | :             | :         | :             | :         | :             | :          | :             | :          | :             | :          | :                     | :         |
| German Democratic Republic-----   | 0             | 0         | 2             | 8,342     | 1             | 4,732      | 2             | 8,252      | 1             | 16,132     | 0                     | 0         |
| Czechoslovakia-----   | 21            | 55,943    | 2             | 7,910     | 13            | 42,865     | 2             | 9,308      | 11            | 31,060     | 0                     | 0         |
| Hungary-----  | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 1             | 25,074     | 0                     | 0         |
| Poland-----   | 0             | 0         | 21            | 38,419    | 2             | 8,028      | 14            | 58,171     | 33            | 210,453    | 28                    | 176,624   |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 3,796      | 3             | 29,251     | 0                     | 0         |
| Yugoslavia-----   | 0             | 0         | 1             | 3,607     | 0             | 0          | 3             | 26,883     | 3             | 23,512     | 3                     | 31,058    |
| People's Republic of China-----   | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 5,580      | 0             | 0          | 0                     | 0         |
| Total-----  | 21            | 55,943    | 26            | 58,278    | 16            | 55,625     | 23            | 111,990    | 52            | 335,482    | 31                    | 207,682   |
| Total U.S. imports-----   | 1,209         | 5,417,463 | 1,379         | 7,814,108 | 3,198         | 10,850,395 | 1,484         | 9,532,697  | 24,889        | 10,010,706 | 7,369                 | 3,161,862 |
| 674.3538 Grinding machines, tool<br>and cutter, metal-cutting<br>machine tools: | :             | :         | :             | :         | :             | :          | :             | :          | :             | :          | :                     | :         |
| Czechoslovakia-----   | 11            | 37,064    | 1             | 1,296     | 3             | 10,929     | 0             | 0          | 0             | 0          | 0                     | 0         |
| Hungary-----  | 0             | 0         | 1             | 988       | 0             | 0          | 1             | 18,230     | 0             | 0          | 0                     | 0         |
| Poland-----   | 0             | 0         | 0             | 0         | 0             | 0          | 0             | 0          | 2             | 4,180      | 0                     | 0         |
| U.S.S.R-----  | 0             | 0         | 0             | 0         | 0             | 0          | 1             | 319        | 0             | 0          | 0                     | 0         |
| Total-----  | 11            | 37,064    | 2             | 2,284     | 3             | 10,929     | 2             | 18,549     | 2             | 4,180      | 0                     | 0         |
| Total U.S. imports-----   | 2,538         | 3,237,279 | 1,680         | 4,952,990 | 3,344         | 8,497,214  | 3,467         | 11,260,968 | 9,053         | 9,943,299  | 1,094                 | 3,190,548 |

Table 15.--U.S. machine tool imports from the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued  
 (Quantity in units; values in U.S. dollars)

| TSUSA item No.,<br>description, and country                           | 1972          |            | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |           |
|---|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|-----------|
|   | Quan-<br>tity | Value      | Quan-<br>tity         | Value     |
| 674.3544 Sawing machines, metal-cutting machine tools:                | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| German Democratic Republic-----                                       | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1                     | 15,753    |
| U.S.S.R.-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1                     | 1,999     |
| Yugoslavia-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 740        | 0                     | 0         |
| Romania-----  | 0             | 0          | 0             | 0          | 1             | 7,540      | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total-----  | 0             | 0          | 0             | 0          | 1             | 7,540      | 0             | 0          | 1             | 740        | 2                     | 17,752    |
| Total U.S. imports-----   | 1,152         | 2,457,318  | 2,103         | 4,156,968  | 2,030         | 6,716,355  | 1,331         | 5,042,879  | 2,682         | 5,322,899  | 717                   | 1,515,417 |
| 674.3548 Electrical discharge machines, metal-cutting machine tools:  | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| Total-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| Total U.S. imports-----   | 192           | 1,498,935  | 146           | 2,213,412  | 230           | 4,645,429  | 218           | 5,967,324  | 172           | 5,915,524  | 76                    | 2,224,834 |
| 674.3552 Metal-cutting machine tools, not elsewhere specified:        | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| German Democratic Republic-----                                       | 5             | 56,981     | 7             | 56,917     | 2             | 21,925     | 0             | 0          | 0             | 0          | 1                     | 6,998     |
| Czechoslovakia-----   | 0             | 0          | 4             | 9,422      | 1             | 2,223      | 0             | 0          | 1             | 11,120     | 0                     | 0         |
| Poland-----   | 1             | 6,000      | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0                     | 0         |
| U.S.S.R.-----   | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 40,000     | 1             | 7,731      | 0                     | 0         |
| Yugoslavia-----   | 0             | 0          | 0             | 0          | 3             | 19,537     | 0             | 0          | 0             | 0          | 0                     | 0         |
| Romania-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 2                     | 29,900    |
| Bulgaria-----   | 0             | 0          | 0             | 0          | 40            | 93,637     | 16            | 69,030     | 38            | 123,133    | 4                     | 15,566    |
| People's Republic of China-----                                       | 0             | 0          | 0             | 0          | 1             | 5,514      | 3             | 8,426      | 1             | 8,160      | 0                     | 0         |
| Total-----  | 6             | 62,981     | 11            | 66,339     | 47            | 142,836    | 20            | 117,456    | 41            | 150,144    | 7                     | 52,464    |
| Total U.S. imports-----   | 19,271        | 13,110,308 | 7,002         | 16,909,635 | 24,184        | 24,107,995 | 19,717        | 31,494,248 | 39,210        | 25,836,204 | 13,712                | 9,387,030 |
| 674.3555 Punching and shearing machines, metal-forming machine tools: | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| German Democratic Republic-----                                       | 1             | 2,890      | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1                     | 17,106    |
| Czechoslovakia-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 2             | 17,088     | 0                     | 0         |
| U.S.S.R.-----   | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 6,050      | 1             | 8,672      | 5                     | 61,652    |
| Total-----  | 1             | 2,890      | 0             | 0          | 0             | 0          | 1             | 6,050      | 3             | 25,760     | 6                     | 78,758    |
| Total U.S. imports-----   | 907           | 4,433,723  | 829           | 6,303,107  | 1,066         | 8,468,048  | 603           | 9,159,934  | 715           | 12,864,186 | 256                   | 3,819,666 |
| 674.3560 Mechanical presses, open back, inclinable, metal-forming:    | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :         |
| Czechoslovakia-----   | 0             | 0          | 0             | 0          | 1             | 1,869      | 0             | 0          | 0             | 0          | 0                     | 0         |
| People's Republic of China-----                                       | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 1             | 10,529     | 0                     | 0         |
| Total-----  | 0             | 0          | 0             | 0          | 1             | 1,869      | 0             | 0          | 1             | 10,529     | 0                     | 0         |
| Total U.S. imports-----   | 567           | 3,819,844  | 737           | 3,706,630  | 482           | 4,320,970  | 279           | 3,564,482  | 240           | 9,465,998  | 61                    | 2,984,722 |

Table 15.--U.S. machine tool imports from the nonmarket economies, 1972-1976, and 1st quarter 1977--Continued

(Quantity in units; values in U.S. dollars)

| TSUSA item No.,<br>description, and country  | 1972          |            | 1973          |            | 1974          |            | 1975          |            | 1976          |            | January-March<br>1977 |            |
|--|---------------|------------|---------------|------------|---------------|------------|---------------|------------|---------------|------------|-----------------------|------------|
|  | Quan-<br>tity | Value      | Quan-<br>tity         | Value      |
| 674.3565 Metal-forming machine tools, not elsewhere specified:                               | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| German Democratic Republic-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 5             | 109,034    | 0                     | 0          |
| Czechoslovakia-----  | 0             | 0          | 0             | 0          | 1             | 2,223      | 0             | 0          | 0             | 0          | 0                     | 0          |
| Poland-----  | 2             | 4,114      | 0             | 0          | 9             | 260,000    | 0             | 0          | 0             | 0          | 0                     | 0          |
| U.S.S.R-----   | 0             | 0          | 0             | 0          | 2             | 3,046      | 3             | 140,054    | 32            | 320,115    | 2                     | 68,303     |
| Romania-----   | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 5             | 33,876     | 1                     | 14,768     |
| People's Republic of China-----  | 0             | 0          | 0             | 0          | 0             | 0          | 0             | 0          | 2             | 6,464      | 0                     | 0          |
| Total-----   | 2             | 4,114      | 0             | 0          | 12            | 265,269    | 3             | 140,054    | 44            | 469,489    | 3                     | 83,071     |
| Total U.S. imports-----  | 6,091         | 23,178,806 | 3,996         | 31,072,622 | 6,218         | 48,853,484 | 4,621         | 56,706,650 | 9,506         | 50,653,156 | 4,287                 | 14,379,823 |
| 674.5200 Parts of metal-working machines for cutting or hobbing gears:                       | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| German Democratic Republic-----  | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 16,250     | n.a.                  | 0          |
| Czechoslovakia-----  | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 1,085      | n.a.                  | 0          |
| Poland-----  | n.a.          | 352        | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.                  | 0          |
| Total-----   | n.a.          | 352        | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 17,335     | n.a.                  | 0          |
| Total U.S. imports-----  | n.a.          | 445,746    | n.a.          | 974,700    | n.a.          | 1,251,538  | n.a.          | 1,150,023  | n.a.          | 2,759,005  | n.a.                  | 431,773    |
| 674.5320 Parts for metal-working type machine tools, except cutting, boring, drilling, etc.: | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| German Democratic Republic-----  | n.a.          | 0          | n.a.          | 0          | n.a.          | 1,795      | n.a.          | 0          | n.a.          | 1,090      | n.a.                  | 0          |
| Czechoslovakia-----  | n.a.          | 0          | n.a.          | 1,197      | n.a.          | 1,581      | n.a.          | 495        | n.a.          | 0          | n.a.                  | 0          |
| Poland-----  | n.a.          | 0          | n.a.          | 0          | n.a.          | 72,494     | n.a.          | 0          | n.a.          | 161,132    | n.a.                  | 173,085    |
| U.S.S.R-----   | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 495        | n.a.          | 0          | n.a.                  | 0          |
| Total-----   | n.a.          | 0          | n.a.          | 1,197      | n.a.          | 0          | n.a.          | 990        | n.a.          | 162,222    | n.a.                  | 173,085    |
| Total U.S. imports-----  | n.a.          | 3,641,652  | n.a.          | 5,871,565  | n.a.          | 7,312,443  | n.a.          | 9,992,973  | n.a.          | 16,681,060 | n.a.                  | 2,614,729  |
| 674.5340 Parts for metalworking tools not elsewhere specified:                               | :             | :          | :             | :          | :             | :          | :             | :          | :             | :          | :                     | :          |
| German Democratic Republic-----  | n.a.          | 6,736      | n.a.          | 4,186      | n.a.          | 18,501     | n.a.          | 7,327      | n.a.          | 28,803     | n.a.                  | 3,983      |
| Czechoslovakia-----  | n.a.          | 66,320     | n.a.          | 154,720    | n.a.          | 220,037    | n.a.          | 267,084    | n.a.          | 264,283    | n.a.                  | 52,357     |
| Hungary-----   | n.a.          | 901        | n.a.          | 2,512      | n.a.          | 947        | n.a.          | 2,665      | n.a.          | 0          | n.a.                  | 1,900      |
| Poland-----  | n.a.          | 122,043    | n.a.          | 453,247    | n.a.          | 282,127    | n.a.          | 405,737    | n.a.          | 510,288    | n.a.                  | 4,931      |
| U.S.S.R-----   | n.a.          | 2,000      | n.a.          | 300        | n.a.          | 10,296     | n.a.          | 1,367      | n.a.          | 6,500      | n.a.                  | 2,070      |
| Yugoslavia-----  | n.a.          | 19,247     | n.a.          | 11,039     | n.a.          | 5,650      | n.a.          | 24,814     | n.a.          | 10,912     | n.a.                  | 8,596      |
| Albania-----   | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 0          | n.a.          | 1,207      | n.a.                  | 0          |
| Romania-----   | n.a.          | 0          | n.a.          | 0          | n.a.          | 720        | n.a.          | 37,487     | n.a.          | 82,831     | n.a.                  | 2,880      |
| Bulgaria-----  | n.a.          | 0          | n.a.          | 0          | n.a.          | 10,375     | n.a.          | 0          | n.a.          | 832        | n.a.                  | 0          |
| People's Republic of China-----  | n.a.          | 0          | n.a.                  | 875        |
| Total-----   | n.a.          | 217,247    | n.a.          | 626,004    | n.a.          | 548,653    | n.a.          | 746,481    | n.a.          | 905,656    | n.a.                  | 77,592     |
| Total U.S. imports-----  | n.a.          | 21,268,163 | n.a.          | 37,656,913 | n.a.          | 50,996,215 | n.a.          | 53,693,767 | n.a.          | 45,555,136 | n.a.                  | 11,743,652 |

Note.--The data in this table includes import figures for U.S. trade with all nonmarket economies discussed in this report. NME countries not specifically named in a machine tool category did not ship that product to the U.S. in the years shown in this table.

APPENDIX

**Leading U.S. Imports and Exports in  
Trade with the Nonmarket Economy Countries**

Source: Bureau of East-West Trade, U.S. Department of Commerce.

Table A-1.--Leading items imported from the U.S.S.R., January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|---|-----------------------|-----------------------|------------------------------|
| 605.0260          | Palladium-----  | \$7,940,756           | \$527,785             | \$17,818,109                 |
| 475.1010          | Crude petroleum, 25 degrees A.P.I. or over-----   | 7,930,440             | 0                     | 11,399,075                   |
| 601.1560          | Chrome ore, 46% or more chromic oxide-----  | 5,624,568             | 4,673,402             | 16,083,942                   |
| 475.0535 1/       | Fuel oils, under 25 degrees A.P.I., Saybolt Universal viscosity at : 100°F of more than 125 seconds (heavy fuel oils)-----  | 5,230,231             | 8,003,651             | 42,024,278                   |
| 605.0290          | Platinum group metals and combinations, n.e.s-----  | 4,840,647             | 6,730,594             | 23,412,644                   |
| 520.3200          | Diamonds, not over 1/2 carat, cut, not set-----   | 3,567,743             | 1,954,510             | 8,073,901                    |
| 475.1015 2/       | Fuel oils, 25 degrees A.P.I. or more, Saybolt Universal viscosity : at 100°F of less than 45 seconds (light fuel oils)----- | 3,011,457             | 0                     | 0                            |
| 605.0270          | Rhodium-----  | 2,466,710             | 28,217                | 3,220,729                    |
| 520.3300          | Diamonds, over 1/2 carat, cut, not set-----   | 1,769,439             | 558,568               | 2,532,653                    |
| 124.1045          | Sable furskins, whole, raw-----   | 1,735,209             | 2,169,625             | 5,349,823                    |
| 653.2260          | Metal coins n.e.s-----  | 947,069               | 2,894,560             | 13,002,292                   |
| 620.0300          | Unwrought nickel-----   | 800,168               | 2,122,330             | 4,083,866                    |
| 605.0710          | Platinum bars, plates, etc-----   | 719,328               | 1,316,320             | 8,219,516                    |
| 605.0750          | Palladium bars, plates, etc-----  | 643,701               | 439,938               | 2,777,511                    |
| 601.2430          | Iron ore, not concentrated or sintered-----   | 602,705               | 0                     | 470,637                      |
| 618.1000          | Aluminum waste and scrap-----   | 536,700               | 159,562               | 16,392,329                   |
| 245.1000          | Hardboard, valued \$48.33-1/3 to \$96.66-2/3 per short ton-----   | 532,205               | 101,464               | 954,669                      |
| 423.0060          | Inorganic oxides, hydroxides, and peroxides-----  | 517,030               | 1,010,000             | 2,595,551                    |
| 542.3320          | Ordinary glass, 16-18.5 ounces per square foot, 40-60 united inches--   | 410,753               | 191,484               | 1,904,990                    |
| 520.2000          | Industrial diamonds, powder or dust, synthetic-----   | 397,760               | 124,321               | 609,715                      |
|                   | Total imports itemized above-----   | \$50,224,619          | \$33,006,331          | \$180,926,230                |
|                   | Total U.S. imports from the U.S.S.R-----  | \$55,019,828          | \$42,692,717          | \$214,556,400                |
|                   |   |                       |                       |                              |

1/ Prior to Jan. 1, 1977, this item was classified under two less comprehensive numbers, 475.0540 and 475.0550. The latter item number is represented by the figures given for trade in 1976, since in that year the U.S. imported no fuel oil categorized under 475.0540 from the U.S.S.R.

2/ Prior to Jan. 1, 1977, this item was classified under two now deleted numbers, 475.1020 and 475.1030. The two former numbers were replaced by the number listed above (475.1015) and a second new number, 475.1025. To obtain an accurate comparison of trade in the periods before and after Jan. 1, 1977, the sum of trade in the two new numbers should be measured against trade in the two deleted numbers. In January-March 1977 this trade did not exceed the amount listed above (\$3,011,457) for 475.1015, while in 1976 there were no U.S. imports of light fuel oils from the U.S.S.R.

Table A-2.--Leading items exported to the U.S.S.R. in January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description  | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|--|-----------------------|-----------------------|------------------------------|
| 041.0020          | Wheat, unmilled, except for relief-----  | \$151,302,666         | \$63,878,945          | \$249,985,352                |
| 044.0060          | Yellow corn, unmilled, n.e.c-----  | 110,690,916           | 432,100,762           | 1,078,364,120                |
| 221.4000          | Soybeans-----  | 99,518,133            | 28,783,586            | 124,689,500                  |
| 711.2020          | Heat exchangers, steam generating power boiler accessories-----                              | 11,790,100            | 0                     | 2,231,000                    |
| 599.9920          | Compound catalysts, except nickel-----   | 11,560,322            | 137,813               | 2,693,813                    |
| 042.2060          | Rice, milled, n.e.c., medium grain-----  | 11,162,512            | 10,965,774            | 15,195,362                   |
| 044.0030          | Corn seed, except sweet corn-----  | 10,890,088            | 0                     | 0                            |
| 719.2370          | Filtering, purifying, and separating machines and parts, n.e.c.,<br>: non-food-----          | 9,157,113             | 1,503,976             | 9,416,317                    |
| 051.7210          | Shelled almonds, fresh or dried-----   | 7,684,702             | 2,566,579             | 2,911,739                    |
| 712.5068          | Tracklaying tractors, 200 net engine horsepower and over-----                                | 7,667,228             | 34,754,652            | 105,884,569                  |
| 715.1020          | Gear cutting machines, n.e.c., valued \$1000 and over, new-----                              | 7,617,084             | 0                     | 511,503                      |
| 715.2120          | Molding machines, and parts n.e.c-----   | 5,791,647             | 8,748,090             | 20,750,860                   |
| 732.8930          | Parts and accessories for tracklaying tractors-----  | 5,576,650             | 6,268,735             | 18,548,042                   |
| 719.2110          | Reciprocating pumps for liquids, other than oilwell and oil-field<br>: pumps-----            | 5,016,832             | 75,856                | 4,502,024                    |
| 893.0045          | Pressure sensitive tape, plastic-----  | 4,744,131             | 4,988,040             | 21,004,130                   |
| 651.7619          | Acetate continuous filament yarn except handwork yarn, not thrown and<br>: not textured----- | 4,713,142             | 1,337,417             | 6,723,216                    |
| 711.6000          | Gas turbines n.e.c., and parts for mechanical drives-----                                    | 4,591,597             | 12,167,627            | 14,468,572                   |
| 655.4510          | Rubber and friction tape, except surgical-----   | 4,089,528             | 0                     | 3,675,204                    |
| 332.9410          | Petroleum coke, calcined-----  | 3,766,400             | 0                     | 5,945,817                    |
| 715.1046          | Lathes, n.e.c., valued \$1000 and over, new-----   | 3,658,800             | 0                     | 103,000                      |
|                   | Total exports itemized above-----  | \$480,989,591         | \$608,277,852         | \$1,687,604,140              |
|                   | Total U.S. exports to the U.S.S.R-----   | \$599,060,968         | \$740,336,333         | \$2,305,934,311              |

Table A-3.--Leading items imported from the People's Republic of China, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|---|-----------------------|-----------------------|------------------------------|
| 186.1560          | Feathers not meeting Federal standards-----                                     | \$3,762,732           | \$1,545,656           | \$11,040,253                 |
| 186.3000          | Bristles, crude or processed-----   | 3,016,666             | 1,034,318             | 8,049,100                    |
| 622.0200          | Tin, other than alloys, unwrought-----  | 2,664,241             | 2,273,708             | 13,195,279                   |
| 320.2032          | PC white cotton shirting n.e.s. (average yarn number, 20)-----                  | 2,490,109             | 3,718,198             | 12,675,595                   |
| 755.1500          | Fireworks-----  | 1,946,669             | 1,157,075             | 6,565,282                    |
| 766.2560          | Antiques, n.s.p.f-----  | 1,859,658             | 4,608,986             | 9,438,887                    |
| 222.4000          | Baskets and bags of bamboo-----   | 1,598,129             | 828,627               | 4,229,184                    |
| 320.1038          | ABC white cotton sheeting, carded (average yarn number, 10)-----                | 1,269,445             | 2,061,452             | 6,940,284                    |
| 160.5000          | Tea, crude or prepared-----   | 1,248,776             | 713,234               | 2,874,177                    |
| 186.1565          | Downs not meeting Federal standards-----  | 1,111,210             | 720,766               | 3,060,465                    |
| 145.4400          | Cashew nuts, shelled, etc-----  | 970,545               | 361,979               | 3,340,099                    |
| 601.5400          | Tungsten ore-----   | 967,961               | 158,354               | 2,255,567                    |
| 360.1500          | Floor coverings of pile, etc., valued over 66-2/3 cents per square<br>foot----- | 921,544               | 547,352               | 3,041,198                    |
| 702.1220          | Cotton headwear, not knit-----  | 676,520               | 457,414               | 936,144                      |
| 702.3780          | Headwear of other fibers, not sewn, colored, or bleached-----                   | 655,005               | 574,477               | 1,830,002                    |
| 417.5000          | Antimony oxide-----   | 639,991               | 193,217               | 3,441,390                    |
| 161.1300          | Cassia, cassia buds, and cassia vera, unground-----                             | 568,456               | 798,157               | 1,984,060                    |
| 156.4000          | Cocoa, unsweetened, and cocoa cake-----   | 549,545               | 0                     | 489,147                      |
| 222.5700          | Floor coverings of unspun vegetable material, n.e.s-----                        | 545,830               | 340,096               | 1,611,555                    |
| 114.4562          | Shrimps and prawns n.e.s-----   | 520,542               | 359,800               | 845,330                      |
|                   | Total imports itemized above-----   | \$27,983,574          | \$22,452,866          | \$97,842,998                 |
|                   | Total U.S. imports from the People's Republic of China-----                     | \$52,073,149          | \$47,064,749          | \$194,648,501                |
|                   |   | :                     | :                     | :                            |

Table A-4.--Leading items exported to the People's Republic of China, January-March 1977, January-March 1976, and January-December 1976

|                        |  | (In U.S. dollars)     |                       |                              |
|------------------------|--|-----------------------|-----------------------|------------------------------|
| Schedule B<br>item No. | Description  | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
| 732.0346               | Special-purpose nonmilitary vehicles, n.e.c., new-----   | \$8,518,235           | \$0                   | \$3,066,174                  |
| 266.2120               | Polyester staple, not carded or combed, etc-----   | 1,689,417             | 1,855,076             | 7,482,673                    |
| 599.9920               | Compound catalysts, except nickel-----   | 1,372,860             | 858,932               | 2,489,747                    |
| 512.0290               | Cyclic chemical intermediates, except acids, n.e.c-----  | 1,194,727             | 30,020                | 661,532                      |
| 719.9242               | Nonautomatic valves, etc., and parts, n.e.c., of iron and steel-----                               | 1,021,257             | 990,115               | 2,315,073                    |
| 512.0993               | Miscellaneous organic chemicals, except cyclic, n.e.c-----   | 743,000               | 57,202                | 57,202                       |
| 719.3150               | Oilfield equipment and parts, n.e.c-----   | 657,884               | 0                     | 627,948                      |
| 599.9910               | Nickel compound catalysts-----   | 417,997               | 0                     | 1,165,356                    |
| 732.8948               | Parts and accessories, n.e.c., new, for replacement, for nonmilitary<br>motor vehicles, n.e.c----- | 320,978               | 53,053                | 198,451                      |
| 719.2170               | Parts and attachments, n.e.c., for pumps for liquid-----   | 281,151               | 710,323               | 796,843                      |
| 711.5064               | Parts and accessories, n.e.c., for automobile, truck, and bus en-<br>gines, for replacement-----   | 274,014               | 0                     | 0                            |
| 512.0969               | Acids and anhydrides, n.e.c-----   | 248,620               | 257,323               | 269,850                      |
| 718.4264               | Well drilling machine parts, accessories and attachments-----                                      | 229,697               | 251,202               | 734,181                      |
| 512.0430               | Rubber antioxidants, cyclic-----   | 223,996               | 11,383                | 96,950                       |
| 514.7010               | Alkalies n.e.c-----  | 203,762               | 73,801                | 220,884                      |
| 581.2006               | Polyethyl resins, high density-----  | 165,891               | 0                     | 1,401,000                    |
| 581.1010               | Other thermoplastic resins-----  | 110,682               | 0                     | 236,800                      |
| 724.9925               | Microwave communication systems and equipment-----   | 100,751               | 0                     | 3,861                        |
| 724.9970               | Electronic navigational aids-----  | 99,828                | 0                     | 108,068                      |
| 718.4216               | Parts, accessories, and attachments, n.e.c., for excavators and<br>walking draglines-----          | 81,785                | 28,358                | 259,218                      |
|                        | Total exports itemized above-----  | \$17,956,532          | \$5,176,788           | \$22,191,811                 |
|                        | Total U.S. exports to the People's Republic of China-----  | \$19,065,197          | \$85,418,206          | \$135,388,147                |
|                        |  |                       |                       |                              |
|                        |  |                       |                       |                              |

Table A-5.--Leading items imported from Poland, January-March 1977, January-March 1976, and January-December 1976

|                   |   | (In U.S. dollars)     |                       |                              |
|-------------------|---|-----------------------|-----------------------|------------------------------|
| TSUSA<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
| 107.3525          | Canned hams, shoulders, over 3 pounds-----  | \$28,413,860          | \$28,684,323          | \$116,049,806                |
| 700.3550          | Men's leather footwear n.e.s., cement soles-----  | 2,202,564             | 3,638,177             | 9,712,342                    |
| 646.2620          | Brads, nails, etc., smooth shank, round wire, over 1 inch in length,<br>over 0.065 inch in diameter-----            | 1,530,036             | 1,228,552             | 6,980,202                    |
| 335.9500          | Other woven fabrics of vegetable fibers, n.e.s., over 4 ounces per<br>square yard-----                              | 1,516,122             | 1,341,455             | 5,810,715                    |
| 403.6000          | Other cyclic organic chemical products-----   | 1,374,577             | 1,702,511             | 6,352,023                    |
| 382.1206          | Women's raincoats n.e.s., valued over \$4 each, 3/4 length, not knit or<br>ornamented-----                          | 1,333,517             | 1,738,083             | 4,685,769                    |
| 727.1500          | Furniture and parts of bentwood-----  | 1,329,957             | 1,383,839             | 5,683,672                    |
| 692.1090          | Motor vehicles n.e.s-----   | 1,309,338             | 1,206,450             | 4,607,998                    |
| 407.8540          | Sulfathiazole-----  | 1,117,175             | 314,837               | 3,188,222                    |
| 608.8415          | 1/Steel plates, not alloy, not in coils, not pickled or cold rolled-----  | 1,050,468             | 2,543,796             | 8,857,310                    |
| 107.3560          | Pork n.e.s., canned, boned, and cooked-----   | 1,043,174             | 2,650,101             | 8,433,206                    |
| 437.3200          | Antibiotics n.s.p.f-----  | 1,019,971             | 602,874               | 1,925,925                    |
| 124.1025          | Mink furskins, except Japanese, undressed-----  | 957,263               | 457,631               | 532,187                      |
| 146.7530          | Strawberries, frozen, containers over 40 ounces-----  | 892,852               | 491,122               | 3,047,044                    |
| 700.4540          | Women's leather footwear, cement soles, valued over \$2.50 per pair-----  | 784,604               | 734,138               | 4,055,928                    |
| 336.6048          | Woven wool fabric, worsted, valued \$4-6 per pound, weighing 6-8<br>ounces per square yard-----                     | 660,572               | 26,872                | 683,411                      |
| 692.3020          | New wheel agricultural tractors, 35 belt horsepower and over-----   | 659,721               | 0                     | 0                            |
| 646.2640          | Brads, nails, etc., other than smooth shank, round wire, over 1 inch<br>in length, over 0.065 inch in diameter----- | 619,551               | 398,229               | 1,701,447                    |
| 380.6650          | Men's and boys' wool suits, not knit, valued over \$4-----  | 615,193               | 98,954                | 1,779,481                    |
| 521.3120          | Bituminous coal-----  | 574,250               | 156,290               | 2,934,512                    |
|                   | Total imports itemized above-----   | \$49,004,765          | \$49,398,234          | \$197,021,200                |
|                   | Total U.S. imports from Poland-----   | \$74,649,042          | \$76,279,647          | \$314,436,048                |

1/ Prior to Jan. 1, 1977, this item was classified as number 608.8420. Trade figures listed for 1976 represent the old classification, which was replaced by two less comprehensive item numbers, 608.8410 and 608.8415. Therefore the values given above for steel plate imports from Poland in 1976 and 1977 are not exactly comparable.

Table A-6.--Leading items exported to Poland, January-March 1977, January-March 1976, and January-December 1976  
 (In U.S. dollars)

| Schedule B<br>item No. | Description  | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|------------------------|--|-----------------------|-----------------------|------------------------------|
| 081.3030               | Soybean oil-cake and meal-----   | \$34,609,272          | \$12,647,533          | \$73,852,677                 |
| 044.0060               | Yellow corn, unmilled, n.e.c-----  | 29,849,491            | 66,200,626            | 184,161,487                  |
| 271.3010               | Florida phosphate hard rock and land pebble-----   | 6,018,341             | 2,631,171             | 6,328,480                    |
| 121.0010               | Tobacco, flue-cured leaf, stemmed-----   | 4,864,111             | 1,587,671             | 2,373,030                    |
| 211.1010               | Cattle hides, whole-----   | 3,000,810             | 1,589,564             | 6,292,164                    |
| 732.8930               | Parts and accessories for tracklaying tractors-----                                      | 2,776,656             | 3,860,301             | 11,631,777                   |
| 411.3220               | Tallow, inedible-----  | 1,900,842             | 0                     | 3,570,343                    |
| 091.3010               | Lard and other pig fat, except grease-----   | 1,699,415             | 0                     | 666,368                      |
| 081.3040               | Linseed oil-cake and meal-----   | 1,353,072             | 142,555               | 142,555                      |
| 221.1010               | Peanuts, shelled, green-----   | 1,341,082             | 0                     | 1,520,775                    |
| 041.0020               | Wheat, unmilled, except for relief-----  | 1,207,720             | 13,297,861            | 92,494,884                   |
| 711.3210               | Steam engines and turbines, not incorporating boilers, not over<br>5,000 horsepower----- | 1,193,911             | 0                     | 996,996                      |
| 251.7220               | Pulp, sulfate, softwood, bleached-----   | 1,101,364             | 635,423               | 2,224,207                    |
| 045.9015               | Grain sorghums, unmilled-----  | 1,038,400             | 3,270,299             | 60,719,556                   |
| 714.3005               | Digital electronic computers-----  | 1,014,543             | 11,000                | 1,063,496                    |
| 599.5860               | Vegetable proteins-----  | 981,408               | 100,800               | 3,849,694                    |
| 715.1078               | Hydraulic and pneumatic presses, valued \$1,000 and over-----                            | 869,018               | 0                     | 3,573,091                    |
| 081.2025               | Corn by-products, n.e.c-----   | 830,545               | 0                     | 0                            |
| 719.3180               | Lifting and loading machines n.e.c., and parts-----                                      | 757,955               | 0                     | 321,205                      |
| 121.0005               | Tobacco, flue-cured leaf, unstemmed-----   | 730,668               | 0                     | 0                            |
|                        | Total exports itemized above-----  | \$97,138,624          | \$105,974,804         | \$455,782,785                |
|                        | Total U.S. exports to Poland-----  | \$118,764,660         | \$146,551,388         | \$621,035,216                |

Table A-7.--Leading items imported from Yugoslavia, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description  | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|--|-----------------------|-----------------------|------------------------------|
| 107.3525          | Canned hams, shoulders, over 3 pounds-----   | \$11,193,794          | \$12,569,653          | \$43,145,055                 |
| 727.3040          | Wood chairs n.s.p.f-----   | 7,849,560             | 5,545,293             | 25,838,141                   |
| 700.3515          | Males' leather athletic footwear n.e.s-----  | 7,797,589             | 6,669,276             | 23,983,012                   |
| 170.2800          | Cigarette leaf, not stemmed, not over 8.5 inches-----  | 5,140,208             | 4,609,172             | 19,616,098                   |
| 612.0640          | Unwrought copper, not alloy, n.e.s-----  | 4,452,611             | 7,253,269             | 51,946,039                   |
| 605.2040          | Silver bullion, refined-----   | 3,186,980             | 3,248,549             | 10,633,663                   |
| 607.3100          | Ferrochrome, over 3 percent carbon-----  | 2,520,808             | 2,098,189             | 10,021,140                   |
| 624.0350          | Unwrought lead, unalloyed, except bullion-----   | 2,411,204             | 1,715,389             | 6,749,277                    |
| 727.3500          | Wood furniture n.s.p.f-----  | 2,049,876             | 1,614,575             | 8,983,915                    |
| 688.0440          | Insulated copper conductors, without fittings, 32 A.W.G. and larger-----                                   | 1,641,906             | 2,176,157             | 11,527,429                   |
| 607.5100          | Ferrosilicon, 60-80 percent silicon-----   | 1,384,192             | 560,551               | 2,208,861                    |
| 727.4000          | Wood furniture parts n.s.p.f-----  | 1,259,546             | 621,279               | 4,804,797                    |
| 626.0200          | Unwrought zinc, except alloyed-----  | 1,237,421             | 3,709,486             | 19,698,613                   |
| 646.2620          | Brads, nails, etc., smooth shank, round wire, over 1 inch in length, :<br>over 0.065 inch in diameter----- | 1,185,378             | 352,988               | 2,685,921                    |
| 618.2560          | Aluminum sheets, strips, and plate, not clad-----  | 1,181,491             | 1,772,301             | 5,835,054                    |
| 674.3504          | Engine lathes, metal-cutting-----  | 1,032,484             | 223,363               | 1,703,503                    |
| 186.1565          | Downs not meeting Federal standards-----   | 983,339               | 536,931               | 1,972,387                    |
| 380.6650          | Men's and boys' wool suits, not knit, valued over \$4-----   | 970,260               | 379                   | 446,632                      |
| 380.1290          | Men's and boys' cotton coats n.e.s., not knit, valued over \$4-----  | 873,776               | 426,980               | 2,581,919                    |
| 380.1260          | Men's and boys' suit-type coats n.e.s., not knit, valued over \$4-----                                     | 858,233               | 1,150,962             | 3,078,209                    |
|                   | Total imports itemized above-----  | \$59,210,656          | \$56,854,742          | \$257,459,665                |
|                   | Total U.S. imports from Yugoslavia-----  | \$86,758,526          | \$83,493,307          | \$383,098,539                |
|                   |  |                       |                       |                              |

Table A-8.--Leading items exported to Yugoslavia, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| Schedule B<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|------------------------|---|-----------------------|-----------------------|------------------------------|
| 221.4000               | Soybeans-----   | \$5,792,000           | \$0                   | \$0                          |
| 715.2240               | Cold rolling mill machinery for ferrous metals, except tube rolling--                       | 5,730,773             | 0                     | 5,812,621                    |
| 081.3030               | Soybean oil-cake and meal-----  | 3,995,006             | 7,091,490             | 27,056,592                   |
| 561.2910               | Concentrated superphosphate-----  | 3,913,729             | 1,113,076             | 4,069,369                    |
| 211.1010               | Cattle hides, whole-----  | 3,355,391             | 465,872               | 5,080,002                    |
| 715.2254               | Rolling mill metalworking machinery, n.e.c-----   | 3,096,823             | 839,555               | 11,226,293                   |
| 712.5018               | Wheel tractors n.e.c., 100 maximum horsepower and over-----                                 | 2,719,685             | 951,474               | 5,136,847                    |
| 722.1018               | Parts, n.e.c., for turbine generator sets-----  | 2,631,934             | 0                     | 15,308                       |
| 512.0978               | Vinyl chloride monomer-----   | 2,586,853             | 1,938,182             | 8,990,574                    |
| 734.9230               | Parts and accessories, n.e.c., for aircraft, airships, and balloons--                       | 2,473,612             | 1,489,076             | 6,162,980                    |
| 715.2259               | Parts, n.e.c., for metalworking rolling mill machinery-----                                 | 2,466,810             | 17,488                | 2,098,912                    |
| 732.0320               | Trucks, off-highway, nonmilitary-----   | 2,339,360             | 857,973               | 3,216,631                    |
| 732.0330               | Trucks with drilling equipment, new-----  | 2,176,585             | 76,666                | 1,009,224                    |
| 718.4264               | Well drilling machine parts and accessories, n.e.c-----                                     | 2,145,002             | 4,319,424             | 10,387,739                   |
| 251.6000               | Woodpulp, chemical dissolving-----  | 1,620,453             | 609,619               | 4,324,339                    |
| 321.4020               | Bituminous coal-----  | 1,487,152             | 1,923,138             | 9,758,124                    |
| 732.8948               | Parts and accessories, n.e.c., new, for replacement, for nonmilitary<br>motor vehicles----- | 1,312,075             | 566,392               | 2,618,006                    |
| 732.0346               | Special-purpose nonmilitary vehicles, n.e.c., new-----                                      | 1,176,367             | 233,094               | 323,129                      |
| 719.8095               | Machines and mechanical appliances, and parts, n.e.c-----                                   | 1,172,297             | 331,727               | 996,273                      |
| 698.9180               | Articles of iron or steel, n.e.c-----   | 967,940               | 1,734                 | 95,964                       |
|                        |   |                       |                       |                              |
|                        | Total exports itemized above-----   | \$53,159,847          | \$22,825,980          | \$108,378,927                |
|                        | Total U.S. exports to Yugoslavia-----   | \$87,566,545          | \$63,957,061          | \$295,413,395                |
|                        |   |                       |                       |                              |

Table A-9.--Leading items imported from Romania, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|---|-----------------------|-----------------------|------------------------------|
| 475.0535 1/       | Fuel oils, under 25 degrees A.P.I., Saybolt Universal viscosity at 100°F. of more than 125 seconds (heavy fuel oils)-----         | \$12,265,526          | \$22,148,491          | \$79,292,257                 |
| 475.2520          | Gasoline-----   | 4,685,554             | 0                     | 2,577,075                    |
| 692.3020          | New wheel agricultural tractors, 35 belt horsepower and over-----   | 3,292,151             | 1,750,185             | 9,667,481                    |
| 107.3525          | Canned hams, shoulders, over 3 pounds-----  | 2,415,842             | 2,750,432             | 8,872,634                    |
| 380.8450          | Men's and boys' suits, not knit, man-made fiber-----  | 2,378,282             | 3,076                 | 2,590,638                    |
| 700.4540          | Women's leather footwear, cement soles, valued over \$2.50 per pair---  | 1,635,488             | 1,074,713             | 4,709,716                    |
| 700.2960          | Men's leather welt footwear n.e.s., valued over \$6.80 per pair-----  | 1,441,473             | 220,317               | 2,111,539                    |
| 360.1500          | Floor coverings of pile, etc., valued over 66-2/3 cents per square foot-----  | 1,209,362             | 272,796               | 1,695,118                    |
| 382.1224          | Women's, girls' and infants' cotton coats, not knit, valued over \$4--  | 1,117,155             | 837,035               | 983,297                      |
| 107.3560          | Pork n.e.s., canned, boned, and cooked-----   | 1,115,888             | 358,592               | 2,824,132                    |
| 380.1260          | Men's and boys' cotton suit-type coats, n.e.s., not knit, valued over \$4-----  | 1,075,359             | 592,601               | 2,974,160                    |
| 674.3275          | Combination boring, drilling, and milling machines, vertical spindle, except numerically controlled-----                          | 1,028,530             | 78,920                | 450,940                      |
| 382.1218          | Women's, girls' and infants' cotton coats, not knit, not corduroy or velveteen, not 3/4 length or longer, valued over \$4-----    | 1,015,664             | 143,919               | 193,519                      |
| 700.2940          | Leather welt work footwear, valued over \$6.80 per pair-----  | 865,597               | 264,727               | 2,489,206                    |
| 382.3362          | Other women's cotton slacks and shorts, not knit, not corduroy or velveteen-----  | 823,564               | 5,889                 | 6,882                        |
| 338.1512          | Woven fabrics of man-made fibers, containing over 17 percent wool, valued not over \$2 per pound, 6-8 ounces per square yard----- | 746,876               | 0                     | 100,679                      |
| 546.5400          | Glassware n.e.s., valued 30¢-\$1 each-----  | 690,339               | 195,018               | 2,220,369                    |
| 156.4000          | Cocoa, unsweetened, and cocoa cake-----   | 660,000               | 0                     | 0                            |
| 727.3500          | Wood furniture n.s.p.f-----   | 597,951               | 321,519               | 1,602,772                    |
| 117.6700          | Pecorino cheese, not for grating-----   | 557,465               | 474,723               | 1,503,225                    |
|                   | Total imports itemized above-----   | \$39,618,066          | \$31,492,953          | \$126,865,639                |
|                   | Total U.S. imports from Romania-----  | \$56,982,223          | \$46,493,806          | \$200,117,855                |

1/ Prior to Jan. 1, 1977, this item was classified under two less comprehensive numbers, 475.0540 and 475.0550. The latter item number is represented by the figures given for trade in 1976, since in that year the U.S. imported no fuel oil categorized under 475.0540 from Romania.

Table A-10.--Leading items exported to Romania, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| Schedule B<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|------------------------|---|-----------------------|-----------------------|------------------------------|
| 321.4020               | Bituminous coal-----  | \$11,428,985          | \$ 0                  | \$10,734,774                 |
| 211.1010               | Cattle hides, whole-----  | 10,878,128            | 4,494,530             | 26,516,617                   |
| 221.4000               | Soybeans-----   | 9,748,554             | 15,181,191            | 45,282,040                   |
| 263.1031               | Cotton, upland domestic, 1 to 1-1/8 inches-----                           | 6,548,065             | 0                     | 0                            |
| 251.6000               | Woodpulp, chemical dissolving-----  | 2,970,408             | 3,282,243             | 7,120,898                    |
| 044.0060               | Yellow corn, unmilled, n.e.c-----   | 2,793,733             | 2,946,726             | 7,500,726                    |
| 081.3030               | Soybean oil-cake and meal-----  | 2,729,658             | 1,645,067             | 17,701,979                   |
| 271.3040               | Natural phosphate fertilizer-----   | 1,937,902             | 1,045,950             | 1,844,936                    |
| 512.0632               | Herbicides n.e.c-----   | 1,911,097             | 5,643                 | 25,047                       |
| 251.7220               | Pulp, sulfate, softwood, bleached-----                                    | 1,350,000             | 0                     | 2,254,523                    |
| 719.2230               | Gas compressors, centrifugal and axial-----                               | 1,015,000             | 0                     | 0                            |
| 599.2080               | Herbicidal preparations-----  | 894,135               | 869,626               | 869,626                      |
| 714.9207               | Storing devices, random access, for electronic computers-----             | 861,600               | 3,400                 | 350,767                      |
| 271.3010               | Florida phosphate hard rock and land pebble-----                          | 837,605               | 0                     | 4,925,546                    |
| 861.9946               | Parts, n.e.c., for industrial instruments, n.e.c-----                     | 788,722               | 625,671               | 2,079,175                    |
| 045.9015               | Grain sorghums, unmilled-----   | 756,960               | 0                     | 18,075,506                   |
| 711.5068               | Parts, n.e.c., for internal combustion engines, n.e.c-----                | 514,800               | 1,166                 | 239,585                      |
| 678.2065               | Alloy steel tubes and pipes, seamless, except stainless steel, n.e.c----- | 496,489               | 0                     | 0                            |
| 734.9230               | Parts and accessories, n.e.c., for aircraft, airships, and balloons--     | 477,889               | 306,774               | 786,461                      |
| 718.4264               | Well drilling machine parts and accessories, n.e.c-----                   | 435,604               | 50,387                | 513,854                      |
|                        | Total exports itemized above-----   | \$59,375,334          | \$30,458,374          | \$146,822,060                |
|                        | Total U.S. exports to Romania-----  | \$64,282,175          | \$43,041,765          | \$249,032,549                |

Table A-11.--Leading items imported from Czechoslovakia, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|---|-----------------------|-----------------------|------------------------------|
| 192.2500          | Hops-----   | \$1,146,552           | \$697,442             | \$702,965                    |
| 107.3525          | Canned hams, shoulders, over 3 pounds-----  | 604,956               | 595,449               | 1,960,058                    |
| 700.3550          | Men's leather footwear n.e.s., cement soles-----  | 487,973               | 212,139               | 2,489,852                    |
| 546.5400          | Glassware n.e.s., valued 30¢-\$1 each-----  | 381,165               | 100,489               | 1,020,769                    |
| 546.5600          | Glassware n.s.p.f., valued \$1-3 each-----  | 361,828               | 126,911               | 779,417                      |
| 700.2960          | Men's leather welt footwear n.e.s., valued over \$6.80 per pair-----                            | 349,292               | 213,845               | 892,554                      |
| 674.3504          | Engine lathes, metal-cutting-----   | 287,779               | 145,371               | 963,401                      |
| 741.3500          | Imitation gemstones, except beads-----  | 275,277               | 328,608               | 961,334                      |
| 727.1500          | Furniture and parts of bentwood-----  | 213,538               | 159,450               | 792,398                      |
| 692.5060          | Motorcycles, 190-290 cubic centimeters piston displacement-----                                 | 212,543               | 68,573                | 117,780                      |
| 545.5700          | Glass prisms for chandeliers, wall brackets, etc-----   | 188,927               | 134,451               | 489,193                      |
| 335.9500          | Other woven fabrics of vegetable fibers, n.e.s., weighing over<br>4 ounces per square yard----- | 180,389               | 163,026               | 660,552                      |
| 546.5800          | Glassware n.s.p.f., cut or engraved, valued over \$3 each-----                                  | 177,291               | 80,305                | 571,582                      |
| 700.2718          | Leather welt work footwear, valued \$5-6.80 per pair-----                                       | 172,669               | 36,163                | 182,754                      |
| 700.2738          | Men's leather welt footwear n.e.s., valued \$5-6.80 per pair-----                               | 159,818               | 135,395               | 663,283                      |
| 700.2940          | Leather welt work footwear, valued over \$6.80 per pair-----                                    | 153,565               | 55,066                | 667,946                      |
| 668.2045          | Printing presses n.e.s-----   | 125,186               | 174,715               | 982,292                      |
| 741.3000          | Beads, bugles, and spangles, n.e.s-----   | 124,962               | 102,053               | 417,635                      |
| 124.1025          | Mink furskins, except Japanese, undressed-----  | 122,517               | 60,286                | 323,486                      |
| 674.3280          | Boring, drilling, and milling machines, except numerically con-<br>trolled, n.e.s-----          | 119,140               | 402,133               | 1,385,479                    |
|                   | Total imports itemized above-----   | \$4,845,367           | \$3,991,870           | \$17,024,730                 |
|                   | Total U.S. imports from Czechoslovakia-----   | \$9,277,561           | \$7,879,822           | \$34,802,239                 |

Table A-12.--Leading items exported to Czechoslovakia, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| Sched. B<br>item no. | Description  | January-March<br>1977 | January-March<br>1976 | January-December<br>1976 |
|----------------------|--|-----------------------|-----------------------|--------------------------|
| 044.0060             | Yellow corn, unmilled, n.e.c.-----   | \$8,845,406           | \$3,979,207           | \$55,300,218             |
| 081.3030             | Soybean oil-cake and meal-----   | 6,490,784             | 5,263,303             | 27,330,866               |
| 211.1010             | Cattle hides, whole-----   | 5,421,268             | 2,849,684             | 11,115,586               |
| 212.0010             | Muskrat furskins, undressed-----   | 1,386,311             | 155,250               | 158,550                  |
| 121.0005             | Tobacco, flue-cured leaf, unstemmed-----   | 1,235,486             | 1,339,138             | 4,336,533                |
| 121.0090             | Unmanufactured tobacco, n.e.c., including stems, etc-----  | 424,500               | 0                     | 498,080                  |
| 599.2080             | Herbicidal preparations-----   | 379,341               | 69,748                | 69,748                   |
| 715.1001             | Multi-function machine centers, numerically controlled with tool<br>: changers, metalcutting, new----- | 291,435               | 0                     | 90,000                   |
| 656.9240             | Made-up textile articles n.e.c., of textile fibers n.e.c.-----   | 264,653               | 0                     | 379,592                  |
| 714.9207             | Storing devices, random access, for electronic computers-----  | 242,280               | 0                     | 27,580                   |
| 251.7210             | Pulp, sulfate, hardwood, bleached-----   | 161,014               | 0                     | 453,796                  |
| 211.2010             | Calf skins-----  | 156,406               | 0                     | 0                        |
| 714.9201             | Input devices for electronic computers, and parts-----   | 147,000               | 0                     | 52,692                   |
| 632.8920             | Pencil slats-----  | 134,096               | 121,148               | 392,544                  |
| 861.9830             | Optical measuring instruments-----   | 128,409               | 58,909                | 335,589                  |
| 054.8400             | Hops, fresh or dried-----  | 128,321               | 534,391               | 837,206                  |
| 729.5262             | Electro-optical instruments, laboratory or scientific, for<br>: physical or chemical analysis-----     | 118,933               | 4,497                 | 329,787                  |
| 513.6932             | Inorganic bases and metallic oxides, hydroxides, and<br>: peroxides, n.e.c.-----                       | 109,709               | 796,525               | 796,525                  |
| 714.9216             | Parts and accessories for basic electronic computers-----  | 101,071               | 372,850               | 1,563,788                |
| 641.3055             | Kraft paperboard n.e.c.-----   | 98,400                | 68,800                | 413,600                  |
|                      | Total exports itemized above-----  | \$26,264,823          | \$15,613,450          | \$104,482,280            |
|                      | Total U.S. exports to Czechoslovakia-----  | \$28,347,058          | \$20,648,260          | \$147,466,437            |

Table A-13.--Leading items imported from the German Democratic Republic, January-March 1977, January-March 1976,  
and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description  | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|--|-----------------------|-----------------------|------------------------------|
| 124.1025          | Mink furskins, except Japanese, undressed-----   | \$670,281             | \$140,358             | \$677,335                    |
| 722.1620          | Still 35-millimeter cameras, valued over \$10-----   | 251,853               | 150,676               | 1,088,290                    |
| 121.5715          | Bovine upper leather, n.s.p.f-----   | 197,250               | 0                     | 0                            |
| 421.4200          | Sodium sulfate, crude-----   | 175,995               | 0                     | 0                            |
| 480.5000          | Potassium chloride, crude-----   | 173,327               | 1,080,000             | 2,070,773                    |
| 546.5900          | Glassware n.s.p.f., valued over \$3 each, except cut or engraved-----                            | 170,747               | 0                     | 68,354                       |
| 668.2045          | Printing presses n.e.s-----  | 158,253               | 0                     | 1,374                        |
| 676.0530          | Portable typewriters, non-automatic, without calculating mechanisms-----                         | 155,681               | 0                     | 135,748                      |
| 121.5000          | Pig and hog leather-----   | 125,350               | 99,980                | 549,205                      |
| 692.2770          | Parts, n.e.s., of motor vehicles-----  | 121,852               | 0                     | 35,567                       |
| 546.5600          | Glassware n.s.p.f., valued \$1-3 each-----   | 114,318               | 114,848               | 331,802                      |
| 674.3280          | Boring, drilling, and milling machines, except numerically con-<br>trolled, n.e.s-----           | 103,352               | 86,374                | 253,158                      |
| 684.6240          | Telephonic apparatus and instruments, and parts, n.s.p.f-----                                    | 94,295                | 0                     | 0                            |
| 546.5800          | Glassware n.s.p.f., valued over \$3 each, cut or engraved-----                                   | 89,905                | 98,997                | 331,514                      |
| 676.0560          | Typewriters, non-automatic, nonelectric, without calculating<br>mechanisms, except portable----- | 79,924                | 0                     | 6,873                        |
| 534.1100          | Ceramic statues, etc., by professional sculptors, valued over<br>\$2.50 each-----                | 73,024                | 28,202                | 102,516                      |
| 748.2100          | Artificial flowers, etc., n.e.s-----   | 71,441                | 34,473                | 132,397                      |
| 668.5060          | Parts of printing presses-----   | 62,819                | 23,844                | 104,415                      |
| 403.6000          | Other cyclic organic chemical products-----  | 62,765                | 44,148                | 44,148                       |
| 613.1000          | Copper alloy pipes, etc., seamless, n.e.s-----   | 62,097                | 0                     | 0                            |
|                   | Total imports itemized above-----  | \$3,014,529           | \$1,901,900           | \$5,933,469                  |
|                   | Total U.S. imports from the German Democratic Republic-----                                      | \$4,248,218           | \$3,348,497           | \$13,421,529                 |

Table A-14.--Leading items exported to the German Democratic Republic, January-March 1977, January-March 1976, and January-December 1976

| Sched. B.<br>item no. | Description   | January-March<br>1977 | January-March<br>1976 | January-December<br>1976 |
|-----------------------|---|-----------------------|-----------------------|--------------------------|
| 044.0060              | Yellow corn, unmilled, n.e.c.   | \$11,510,450          | \$ 0                  | \$16,299,296             |
| 292.5010              | Alfalfa seed, certified   | 311,399               | 0                     | 0                        |
| 211.1010              | Cattle hides, whole   | 122,373               | 0                     | 159,375                  |
| 729.5266              | Physical properties testing and inspecting instruments, electric<br>or electronic             | 119,154               | 10,140                | 65,786                   |
| 283.9200              | Tungsten ores and concentrates  | 117,926               | 0                     | 0                        |
| 011.6040              | Pork livers, fresh or frozen  | 117,768               | 359,008               | 851,075                  |
| 714.3005              | Digital electronic computers  | 110,089               | 0                     | 0                        |
| 629.1050              | Tractor and implement tires, pneumatic  | 100,654               | 0                     | 0                        |
| 719.3150              | Oil field equipment, and parts, n.e.c.  | 96,126                | 0                     | 79,318                   |
| 684.2540              | Aluminum and aluminum alloy tubes and pipes, n.e.c.   | 92,565                | 0                     | 0                        |
| 662.3270              | Nonclay firebrick and similar firebrick shapes, except plastic<br>or infusorial earth, n.e.c. | 90,539                | 0                     | 0                        |
| 664.1300              | Glass, unworked, in balls, etc.   | 85,190                | 46,650                | 333,291                  |
| 284.0220              | Copper-base alloy waste and scrap   | 83,020                | 0                     | 0                        |
| 263.2011              | Linters, chemical grade   | 72,027                | 32,053                | 239,187                  |
| 212.0010              | Muskrat furskins, undressed   | 52,000                | 132,250               | 240,850                  |
| 541.7018              | Preparations acting primarily on the central nervous system or<br>sense organs, n.e.c.        | 48,456                | 0                     | 19,321                   |
| 513.6720              | Chromium oxide, anhydrides and hydroxides, except pigment grades                              | 31,350                | 0                     | 0                        |
| 011.6045              | Pork offals, n.e.c., fresh or frozen  | 19,922                | 0                     | 0                        |
| 719.8095              | Machines and mechanical appliances, and parts, n.e.c.   | 12,666                | 0                     | 14,520                   |
| 641.3025              | Kraft container board liners, unbleached  | 12,012                | 0                     | 0                        |
|                       | Total exports itemized above  | \$13,205,686          | \$580,101             | \$18,302,019             |
|                       | Total U.S. exports to the German Democratic Republic  | \$13,376,696          | \$5,819,206           | \$64,766,675             |
|                       |   |                       |                       |                          |
|                       |   |                       |                       |                          |
|                       |   |                       |                       |                          |
|                       |   |                       |                       |                          |

Table A-15.--Leading items imported from Hungary, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|---|-----------------------|-----------------------|------------------------------|
| 107.3525          | Canned hams, shoulders, over 3 pounds-----  | \$4,255,485           | \$4,858,222           | \$16,510,695                 |
| 692.3060          | Parts of agricultural tractors-----   | 3,149,508             | 0                     | 6,698,749                    |
| 686.9030          | Other lamps, including household-----   | 907,099               | 782,624               | 3,476,294                    |
| 439.3060          | Natural drugs n.e.s., advanced-----   | 804,298               | 0                     | 1,624,224                    |
| 107.3540          | Pork bacon, boned, cooked, and canned-----  | 594,914               | 847,868               | 3,093,483                    |
| 772.5105          | Automobile tires, new-----  | 572,747               | 0                     | 800,444                      |
| 161.7100          | Paprika, ground or unground-----  | 478,794               | 151,850               | 578,350                      |
| 772.5115          | Pneumatic truck and bus tires, new-----   | 358,969               | 107,981               | 1,066,248                    |
| 750.2600          | Whiskbrooms, valued not over 32¢ each (under quota)-----  | 281,783               | 328,824               | 393,618                      |
| 692.3040          | New agricultural tractors n.e.s-----  | 208,068               | 0                     | 267,660                      |
| 790.3900          | Inflatable articles n.s.p.f-----  | 174,787               | 123,299               | 451,162                      |
| 750.2900          | Brooms, valued not over 96¢ each (under quota)-----   | 132,812               | 78,102                | 354,997                      |
| 546.5400          | Glassware n.e.s., valued 30¢-\$1 each-----  | 131,635               | 178,518               | 505,620                      |
| 130.3500          | Corn or maize, except certified seed-----   | 122,400               | 138,907               | 138,907                      |
| 167.3040          | Wine, over 14 percent alcohol, valued over \$4 per gallon, containers<br>not over 1 gallon----- | 117,881               | 146,913               | 375,598                      |
| 772.5135          | Pneumatic tires n.e.s., new, not over 24 inches rim size-----                                   | 102,790               | 0                     | 306,566                      |
| 437.2000          | Alkaloids and compounds, n.s.p.f., synthetic-----   | 99,043                | 373,081               | 679,142                      |
| 653.2260          | Metal coins n.e.s-----  | 84,000                | 2,939                 | 36,482                       |
| 542.3120          | Ordinary glass, 16-18.5 ounces per square foot, not over 40 united<br>inches-----               | 82,929                | 41,070                | 380,122                      |
| 222.6400          | Articles n.e.s., of unspun fibrous vegetable materials-----                                     | 82,722                | 27,688                | 134,141                      |
|                   | Total imports itemized above-----   | \$12,742,664          | \$8,187,886           | \$37,872,502                 |
|                   | Total U.S. imports from Hungary-----  | \$14,463,548          | \$12,339,444          | \$47,559,002                 |
|                   |   |                       |                       |                              |

Table A-16.--Leading items exported to Hungary, January-March 1977, January-March 1976, and January-December 1976

| Schedule B<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|------------------------|---|-----------------------|-----------------------|------------------------------|
| 081.3030               | Soybean oil-cake and meal-----  | \$3,412,410           | \$5,166,350           | \$14,521,231                 |
| 732.8920               | Parts and accessories, n.e.c., for wheel tractors-----  | 1,087,937             | 989,261               | 5,421,880                    |
| 211.1010               | Cattle hides, whole-----  | 1,009,213             | 699,943               | 3,485,552                    |
| 712.1005               | Planters and transplanters-----   | 860,985               | 940,114               | 940,114                      |
| 729.5292               | Industrial process type instruments, electric or electronic, n.e.c-----   | 522,848               | 173,975               | 184,313                      |
| 715.1020               | Gear cutting machines, n.e.c., valued \$1,000 and over, new-----  | 484,152               | 0                     | 0                            |
| 211.6000               | Sheep and lamb skins, with wool on, undressed-----  | 416,815               | 263,137               | 661,152                      |
| 729.5266               | Physical properties testing and inspecting instruments, electric<br>: or electronic-----                            | 405,122               | 24,201                | 164,610                      |
| 251.8220               | Pulp, sulfite, softwood, bleached-----  | 371,061               | 0                     | 0                            |
| 664.1300               | Glass, unworked, in balls, etc-----   | 363,368               | 297,696               | 1,331,596                    |
| 211.2020               | Kip skins-----  | 311,620               | 49,866                | 738,920                      |
| 714.9202               | Output devices for electronic computers, and parts-----   | 235,005               | 3,977                 | 470,375                      |
| 712.5066               | Tracklaying tractors, 130-200 net engine horsepower, new-----   | 204,000               | 0                     | 0                            |
| 719.5452               | Parts, n.e.c., for metal-cutting machine tools-----   | 142,014               | 3,742                 | 6,904                        |
| 729.5262               | Electro-optical instruments, laboratory or scientific, for physical<br>: or chemical analysis-----                  | 129,450               | 0                     | 43,584                       |
| 712.2020               | Harvesting machines n.e.c-----  | 117,623               | 0                     | 248,310                      |
| 896.0400               | Postage and similar stamps, philatelic-----   | 117,584               | 49,051                | 145,610                      |
| 718.4250               | Parts and accessories, n.e.c., for construction, maintenance, ex-<br>: cavating, and levelling machines, n.e.c----- | 114,397               | 10,949                | 64,851                       |
| 212.0050               | Furskins n.e.c., undressed-----   | 83,764                | 50,400                | 114,075                      |
| 718.5220               | Glass-working machines, and parts, n.e.c-----   | 75,728                | 0                     | 19,990                       |
| :                      |   |                       |                       |                              |
| :                      | Total exports itemized above-----   | \$10,465,096          | \$8,722,662           | \$28,563,067                 |
| :                      |   |                       |                       |                              |
| :                      | Total U.S. exports to Hungary-----  | \$12,077,649          | \$19,393,898          | \$62,959,656                 |
| :                      |   |                       |                       |                              |

Table A-17.--Leading items imported from Bulgaria, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description   | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|---|-----------------------|-----------------------|------------------------------|
| 170.2800          | Cigarette leaf, not stemmed, not over 8.5 inches-----   | \$3,682,456           | \$1,294,824           | \$8,460,185                  |
| 161.7100          | Paprika, ground or unground-----  | 255,122               | 199,606               | 349,652                      |
| 117.6700          | Pecorino cheese, not for grating-----   | 242,283               | 208,910               | 888,831                      |
| 460.8000          | Aromatic or odoriferous substances, n.e.s., not artificial mixtures-----  | 58,974                | 0                     | 0                            |
| 452.3200          | Lavender and spike lavender oil-----  | 45,507                | 0                     | 53,919                       |
| 676.0530          | Portable typewriters, non-automatic, without calculating mechanisms-----  | 42,318                | 0                     | 14,956                       |
| 439.1040          | Natural crude drugs of vegetable origin-----  | 37,770                | 28,110                | 78,758                       |
| 452.6000          | Rose oil or attar of roses-----   | 37,500                | 108,994               | 505,977                      |
| 408.6020          | Aromatic or odoriferous benzenoid compounds, n.e.s-----   | 30,955                | 0                     | 0                            |
| 460.0500          | Enfleurage greases, floral essences, etc-----   | 24,002                | 0                     | 350                          |
| 445.3010          | Polyethylene resins, low and medium density-----  | 23,148                | 0                     | 0                            |
| 546.5400          | Glassware n.e.s., valued 30¢-\$1 each-----  | 18,774                | 9,939                 | 55,283                       |
| 674.3552          | Metal-cutting machine tools, n.e.s-----   | 15,566                | 0                     | 123,133                      |
| 401.4200          | Indole-----   | 13,448                | 0                     | 0                            |
| 421.3600          | Sodium silicofluoride-----  | 12,268                | 0                     | 0                            |
| 439.3040          | Natural advanced drugs of vegetable origin-----   | 11,256                | 1,136                 | 7,237                        |
| 870.1000          | Records, etc., regarding business, engineering, or exploration<br>operations conducted outside the United States----- | 11,000                | 0                     | 0                            |
| 674.6000          | Hand-directed tools suitable for metal-working, non-electric motor,<br>and parts thereof-----                         | 9,620                 | 0                     | 0                            |
| 360.1500          | Floor coverings of pile, etc., valued over 66-2/3 cents per square<br>foot-----                                       | 7,675                 | 0                     | 30,284                       |
| 193.2500          | Crude vegetable substances, n.s.p.f-----  | 5,597                 | 5,414                 | 20,939                       |
|                   | Total imports itemized above-----   | \$4,585,239           | \$1,856,933           | \$10,589,504                 |
|                   | Total U.S. imports from Bulgaria-----   | \$4,906,459           | \$1,937,617           | \$11,231,147                 |

Table A-18.--Leading items exported to Bulgaria, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| Sched. B.<br>item no. | Description  | January-March<br>1977 | January-March<br>1976 | January-December<br>1976 |
|-----------------------|--|-----------------------|-----------------------|--------------------------|
| 715.2235              | Hot rolling mill machinery, nonferrous-----  | \$2,473,075           | \$ 0                  | \$ 0                     |
| 715.2254              | Rolling mill metalworking machinery, n.e.c.-----   | 1,358,050             | 0                     | 0                        |
| 251.6000              | Woodpulp, chemical dissolving-----   | 386,481               | 0                     | 137,999                  |
| 729.3075              | Integrated circuits, semiconductor, monolithic, digital-----   | 362,037               | 346,295               | 841,645                  |
| 221.4000              | Soybeans-----  | 284,568               | 0                     | 1,595                    |
| 641.3020              | Kraft shipping sack paper-----   | 250,201               | 0                     | 0                        |
| 861.9920              | Parts for testing apparatus, n.e.c.-----   | 195,748               | 21,404                | 72,921                   |
| 512.0610              | Fungicides-----  | 150,000               | 0                     | 78,000                   |
| 541.7036              | Preparations acting primarily on digestive system, etc., dosage<br>or retail sales, n.e.c.-----      | 135,633               | 52,020                | 208,080                  |
| 715.2140              | Foundry machines, and parts, n.e.c.-----   | 93,052                | 1,408,480             | 1,803,284                |
| 541.7020              | Pharmaceutical preparations acting primarily on cardiovascular<br>system, dosage or retail sale----- | 82,322                | 0                     | 117,854                  |
| 512.0380              | Synthetic organic medicinal chemicals, n.e.c., in bulk-----  | 67,500                | 0                     | 510                      |
| 541.5020              | Hydrocortisone, bulk-----  | 59,340                | 0                     | 58,116                   |
| 044.0030              | Corn seed, except sweet corn-----  | 42,330                | 0                     | 7,666                    |
| 718.3960              | Fruit- and vegetable-processing equipment-----   | 39,817                | 7,510                 | 82,028                   |
| 861.6940              | Still picture equipment, parts, and accessories, n.e.c.-----   | 21,080                | 0                     | 0                        |
| 714.9209              | Storing devices (except random access) for electronic<br>computers and parts-----                    | 12,800                | 0                     | 245,018                  |
| 719.9120              | Molds for forming plastic or rubber articles-----  | 11,750                | 0                     | 0                        |
| 719.3172              | Parts, n.e.c., and attachments for conveyors and<br>conveying equipment-----                         | 11,695                | 0                     | 8,157                    |
| 722.2030              | Motor starters and contractors, alternating current, over 600 volts-----                             | 11,059                | 1,526                 | 37,952                   |
|                       | Total exports itemized above-----  | \$6,048,538           | \$1,837,235           | \$3,700,825              |
|                       | Total U.S. exports to Bulgaria-----  | \$6,122,530           | \$17,419,045          | \$43,320,113             |

Table A-19.--Leading items imported from Albania, January-March 1977, January-March 1976, and January-December 1976

|                   |                                      | (In U.S. dollars)     |                       |                              |
|-------------------|--------------------------------------|-----------------------|-----------------------|------------------------------|
| TSUSA<br>item No. | Description                          | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
| 161.9400          | Unground sage-----                   | \$115,808             | \$191,798             | \$666,994                    |
| 668.2045          | Printing presses n.e.s-----          | 34,532                | 0                     | 0                            |
|                   | Total imports itemized above-----    | \$150,340             | \$191,798             | \$666,994                    |
|                   | Total U.S. imports from Albania----- | \$150,340             | \$201,305             | \$2,543,761                  |
|                   |                                      | :                     | :                     | :                            |
|                   |                                      | :                     | :                     | :                            |
|                   |                                      | :                     | :                     | :                            |

Table A-20.--Leading items exported to Albania, January-March 1977, January-March 1976 and January-December 1976

(In U.S. dollars)

| Schedule :        | Description   | January-March<br>1977 | January-March<br>1976 | January-December<br>1976 |
|-------------------|---|-----------------------|-----------------------|--------------------------|
| B :<br>item no. : |   |                       |                       |                          |
| 211.1010 :        | Cattle hides, whole-----  | \$270,265             | \$ 0                  | \$419,374                |
| 541.7058 :        | Broad and medium spectrum antibiotics, except penicillins-----                              | 1,120                 | 0                     | 0                        |
| 861.9999 :        | Parts and accessories, n.e.c. (for instruments n.e.c. (except<br>: industrial process)----- | 827                   | 0                     | 0                        |
| :                 | Total exports itemized above-----   | \$272,212             | -                     | \$419,374                |
| :                 | Total U.S. exports to Albania-----  | \$272,212             | \$479,788             | \$1,075,817              |
| :                 |   | :                     | :                     | :                        |

Table A-21.--Leading items imported from Cuba, 1/ January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description                       | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|-----------------------------------|-----------------------|-----------------------|------------------------------|
| :                 | :                                 | :                     | :                     | :                            |
| 480.5000          | Potassium chloride, crude-----    | \$101,640             | \$ 0                  | \$ 0                         |
| 480.8090          | Other fertilizer material-----    | 2,590                 | 0                     | 0                            |
| 653.2260          | Metal coins-----                  | 426                   | 0                     | 0                            |
| :                 | :                                 | :                     | :                     | :                            |
| :                 | Total imports itemized above----- | \$104,656             | -                     | -                            |
| :                 | Total U.S. imports from Cuba----- | \$104,656             | \$ 0                  | \$27,133                     |
| :                 | :                                 | :                     | :                     | :                            |

1/ U.S. trade with Cuba has been under an embargo since Feb. 7, 1962, when President Kennedy, acting under the authority of section 620(a) of the Foreign Assistance Act of 1961, as amended, issued Presidential Proclamation No. 3447 that declares the embargo. Under Section 620(a) of the Foreign Assistance Act of 1961 the Secretary of Commerce is directed to carry out the prohibition on exports, while the Secretary of the Treasury enforces the prohibition on imports. In both cases exceptions may be granted when determined to be appropriate by the respective Secretaries. To date, the number of exceptions granted has been minimal so that trade between the 2 countries is almost nil.

Table A-22.--Leading items exported to Cuba, January-March 1977, January-March 1976 and January-December 1976

(In U.S. dollars)

| Schedule<br>B<br>item no. | Description   | January-March<br>1977 | January-March<br>1976 | January-December<br>1976 |
|---------------------------|---|-----------------------|-----------------------|--------------------------|
| 512.0380                  | Synthetic organic medicinal chemicals, n.e.c., in bulk-----   | \$177,280             | \$ 0                  | \$ 0                     |
| 719.1514                  | Air-conditioners, year-round-----   | 14,332                | 0                     | 0                        |
| 678.5050                  | Iron or steel electrical conduit fittings-----  | 11,000                | 0                     | 0                        |
| 893.0060                  | Articles of artificial plastic materials, n.e.c.-----   | 7,060                 | 0                     | 0                        |
| 719.6445                  | Sprayers and spraying equipment, n.e.c.-----  | 6,580                 | 0                     | 0                        |
| 533.3230                  | Exterior water type trade sales emulsion paint and other<br>water-thin paint, including dry type----- | 5,829                 | 0                     | 0                        |
| 242.8020                  | Utility line poles, wood-----   | 3,975                 | 0                     | 0                        |
| 533.3220                  | Exterior oil-type trade sales paints, enamel and varnish, ready-<br>mixed and in tint base form-----  | 3,180                 | 0                     | 0                        |
| 719.6420                  | Sprayers, agricultural and pesticidal, hand-operated-----   | 2,838                 | 0                     | 0                        |
| 893.0019                  | Construction plastic products, except pipe and pipe fittings-----                                     | 1,300                 | 0                     | 0                        |
| 894.4230                  | Gymnastics, track and field, exercise, health, and playground<br>equipment-----                       | 1,000                 | 0                     | 0                        |
|                           | Total exports itemized above-----   | \$234,374             | -                     | -                        |
|                           | Total U.S. exports to Cuba-----   | \$234,374             | \$60,331              | \$88,641                 |

Table A-23.--Leading items imported from the People's Republic of Mongolia, January-March 1977, January-March 1976, and January-December 1976

(In U.S. dollars)

| TSUSA<br>item No. | Description  | January-March<br>1977 | January-March<br>1976 | January-<br>December<br>1976 |
|-------------------|--|-----------------------|-----------------------|------------------------------|
| 306.4293          | Camel hair, sorted, etc-----                                   | \$226,387             | \$581,742             | \$1,453,527                  |
| 306.6200          | Cashmere goat hair, sorted, etc-----                           | 226,241               | 60,930                | 664,445                      |
| 124.1018          | Lynx furskins, whole, raw-----                                 | 84,777                | 0                     | 0                            |
| :                 | Total imports itemized above-----                              | \$537,405             | \$642,672             | \$2,117,972                  |
| :                 | Total U.S. imports from the People's Republic of Mongolia----- | \$537,405             | \$644,205             | \$2,252,054                  |
| :                 |  |                       |                       |                              |
| :                 |  |                       |                       |                              |
| :                 |  |                       |                       |                              |

Table A-24.--Leading items exported to the People's Republic of Mongolia, January-March 1977,  
January-March 1976, and January-December 1976

(In U.S. dollars)

| Schedule :   | Description | January-March<br>1977 | January-March<br>1976 | January-December<br>1976 |
|--|-------------|-----------------------|-----------------------|--------------------------|
| B :  |             |                       |                       |                          |
| item no. :   |             |                       |                       |                          |
| :  |             |                       |                       |                          |
| 599.7700 : Prepared culture media-----                         | \$1,609     | \$ 0                  | \$ 0                  |                          |
| 714.1010 : Typewriters, standing, electric, new-----           | 1,330       | 0                     | 0                     |                          |
| :  |             |                       |                       |                          |
| : Total exports itemized above-----                            | \$2,939     | -                     | -                     |                          |
| :  |             |                       |                       |                          |
| : Total U.S. exports to the People's Republic of Mongolia----- | \$2,939     | \$6,493               | \$31,307              |                          |
| :  |             |                       |                       |                          |



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