

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 quarter 1976	2d quarter 1976	3d quarter 1976	4th quarter 1976	1st quarter 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-market economies:	:	:	:	:	:	
Exports-----:	1,144	1,088	850	852	951	
Imports-----:	327	372	388	357	366	
Balance -----:	+817	+716	+462	+495	+585	
Trade turnover:	:	:	:	:	:	
(exports plus imports)-----:	1,471	1,460	1,238	1,209	1,317	
Percent of U.S. total trade with non-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.

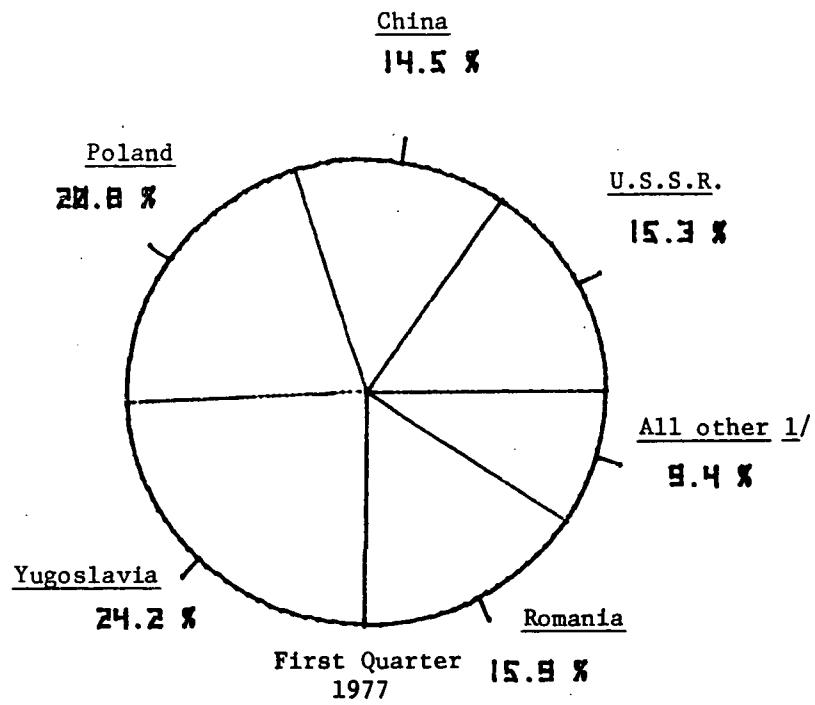
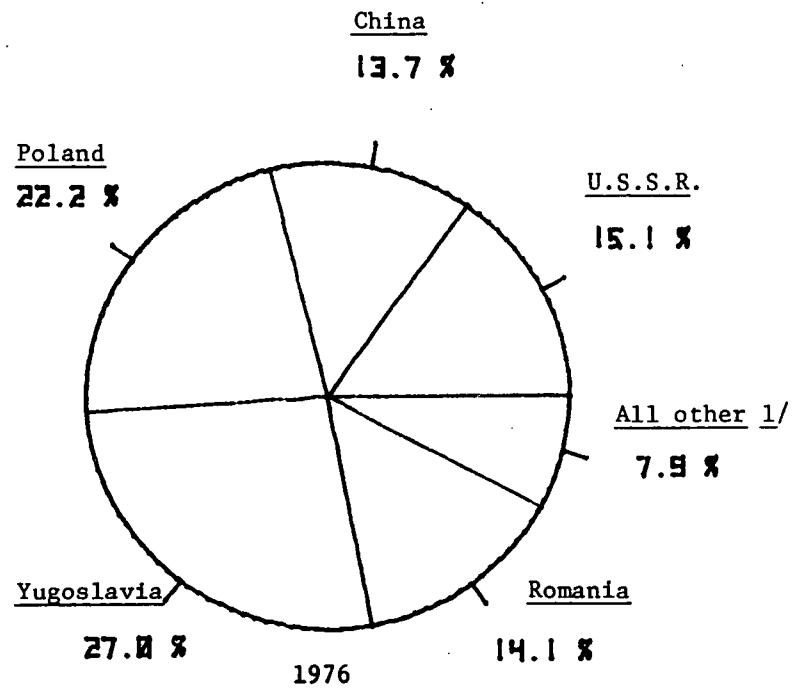
Figure 1 shows the country distribution of U.S. imports from the NME's. The figure compares U.S. imports in the first quarter with imports during all of 1976. Imports from the U.S.S.R., China, Romania, and the "all other" category increased in relative importance compared with imports from Poland and 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 quarter 1976	1st quarter 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 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 1976	1st quarter 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/

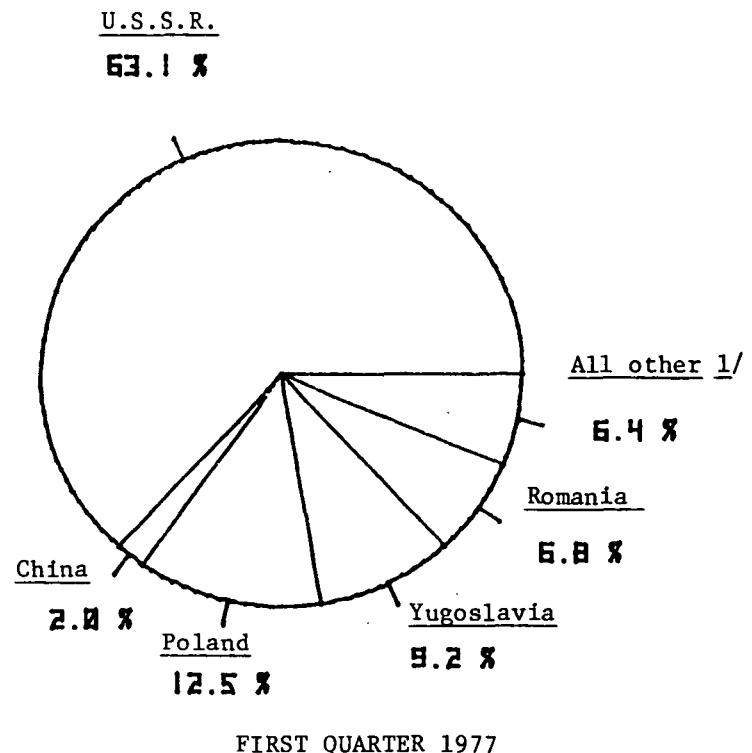
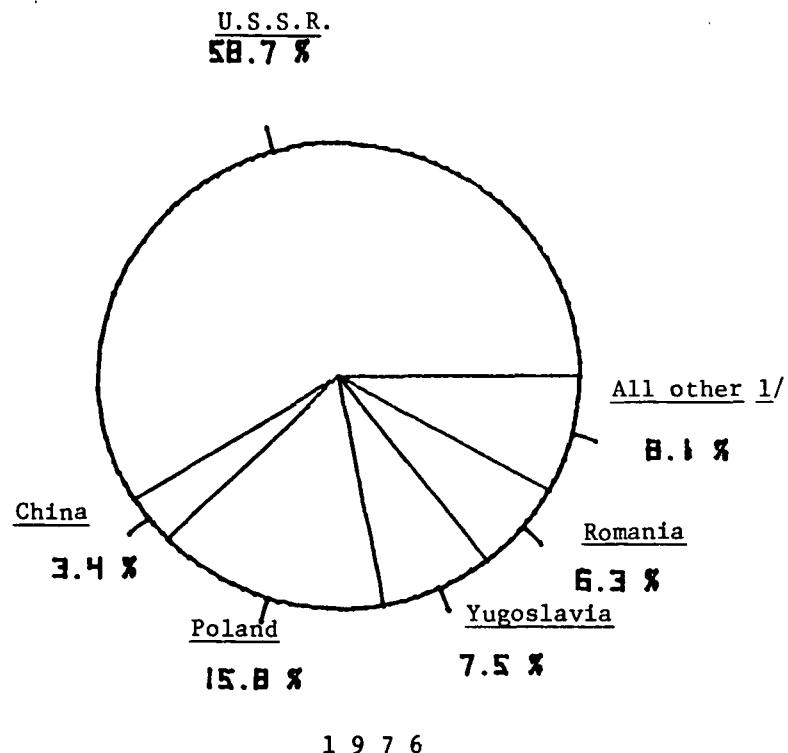
Country	(In thousands of U.S. dollars)				
	1975	1976	1st quarter 1976	1st quarter 1977	
Bulgaria-----:	14,780	28,455	12,555	42	
Czechoslovakia-----:	62	69,680	4,004	8,845	
German Democratic Republic-----:	6,816	48,742	3,803	11,510	
Hungary-----:	92	411	269	64	
Poland-----:	255,243	346,737	82,841	32,139	
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 the world-----:	11,643,083	19,910,926	2,677,118	2,222,888	11
U.S. exports of cereals to the non- market economies as a percent of 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 commodity code No.	Description	Albania	Bulgaria	Cuba	Czecho- slovakia	German Republic	People's Republic of China	People's Republic of Mongolia	Poland	Romania	U.S.S.R.	Yugo- slavia	Total <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.

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 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 1977	
	Quantity	Value	Quantity	Value	Quantity	Value
	(1,000 : (Units)	: dollars)	(1,000 : (Units)	: dollars)	(1,000 : (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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
715.1001 Machine centers, multi- function, numerically con- trolled, equipped with auto- matic or manual tool changers, 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- drilling-milling machines, metalcutting, new, valued \$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 turning mills, including vertical, turret lathes, metalcutting, new, valued \$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 boring machines, n.e.c., metalcutting, new, valued \$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) drilling machines, metal- cutting, new, valued \$1,000 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value								
715.1010 Unit head or way type drilling machines, metal- cutting, new, valued \$1,000 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- chines, metalcutting, new, 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, n.e.c., metalcutting, new, 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- cutting, new, valued \$1,000 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 and finishing machines, metalcutting, new, valued \$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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value								
715.1020 Gear cutting machines, n.e.c., metalcutting, new, 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 grinding machines, metal- cutting, new, valued \$1,000 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 machines, metalcutting, new, 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- ing machines, metalcutting, new, valued \$1,000 and over 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
715.1028 Polishing and buffing machines, metalcutting, new, 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 machines, metalcutting, new, 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 grinding machines, metal- cutting, new, valued \$1,000 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 machines, n.e.c., metal- cutting, new, valued \$1,000 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
	:	:	:	:	:	:	:	:	:	:	:	:
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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value								
715.1056 Broaching machines, metalcutting, new, valued \$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 planers) 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-----	18	310,028	30	350,013	24	271,880	23	525,324	31	646,532	..	..
715.1060 Shapers and slotters, metalcutting, new, valued \$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 machines, metalcutting, new, 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, metalcutting, new, valued \$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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
715.1066 Threading machines, metalcutting, new, valued \$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, metalcutting, new, valued \$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 tools, new, n.e.c., valued \$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 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- 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., description, and country	(Quantity in units; values in U.S. dollars)											
	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value								
715.1083 Forging machines (except presses, headers and upsetters), metalworking, new, valued \$1,000 and over each: 7/												
Poland-----	n.a.	n.a.	0	0	2	2,539	1	310,376	0	0	0	0
Yugoslavia-----	n.a.	n.a.	1	91,630	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
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 machines, n.e.c., new, 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
Total-----	0	0	0	0	5	1,512,987	32	4,305,784	94	7,686,778	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, new, n.e.c., valued \$1,000 and over each: 6/												
Poland-----	0	0	0	0	0	0	1	506,374	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
Romania-----	0	0	0	0	1	3,229	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, new, n.e.c., valued \$1,000 and over each: 6/												
Czechoslovakia-----	2	124,560	0	0	1	3,000	0	0	2	94,427	0	0
Hungary-----	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
Yugoslavia-----	0	0	19	660,484	14	411,426	11	107,624	16	555,661	0	0
Albania-----	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
People's Rep. of China-----	0	0	0	0	0	0	11	1,894,002	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

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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
674.3000 Machine tools, metalworking 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 machines and vertical turret lathes, metal-working, numeri- 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, metal-working, except numeri- 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, single spindle, metal-working, 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
674.3238 Milling machines, profile and duplicating, metal-working, 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- type, metal-working, except 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; metal-working, except numeri- 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, including vertical turret lathes, metal-working, except 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value	Quan- tity	Value
674.3532 Grinding machines, cylind- 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- 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; 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 and cutter, metal-cutting 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- 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., description, and country	1972		1973		1974		1975		1976		January-March 1977	
	Quan- tity	Value	Quan- 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 item No.	Description	January-March 1977	January-March 1976	January- December 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., : 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 : 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 : 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 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- 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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, 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 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 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 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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, : 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 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- 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 item no.	Description	January-March 1977	January-March 1976	January-December 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 : 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 : physical or chemical analysis-----	118,933	4,497	329,787
513.6932	Inorganic bases and metallic oxides, hydroxides, and : 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 item No.	Description	January-March 1977	January-March 1976	January- December 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- 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 mechanisms, except portable-----	79,924	0	6,873
534.1100	Ceramic statues, etc., by professional sculptors, valued over \$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. item no.	Description	January-March 1977	January-March 1976	January-December 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 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 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 : 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 : 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- : 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 operations conducted outside the United States-----	11,000	0	0
674.6000	Hand-directed tools suitable for metal-working, non-electric motor, and parts thereof-----	9,620	0	0
360.1500	Floor coverings of pile, etc., valued over 66-2/3 cents per square 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. item no.	Description	January-March 1977	January-March 1976	January-December 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 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 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 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 1977	January-March 1976	January-December 1976
B : 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 : 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 B item no.	Description	January-March 1977	January-March 1976	January-December 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 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- 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 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 item No.	Description	January-March 1977	January-March 1976	January- December 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 1977	January-March 1976	January-December 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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