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U.S. ARMS CONTROL AND DISARMAMENT AGENCY



World Military Expenditures and Arms Transfers 1990

Foreword, Highlights, Charts, Statistical Notes

Briefs on:

Big Five Initiative on Arms Transfers
Recent Steps Towards Transparency in Arms

Country Rankings by Variable

Tables of Military and Economic Variables
for 144 Countries, 1979-1989

World Military Expenditures and Arms Transfers 1990

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Foreword

The 21st edition of *World Military Expenditures and Arms Transfers* (WMEAT) updates our annual presentation of statistical data through 1989. In a sense it depicts the final years of a passing world order. The momentous events of 1990-1991—democracy's sweep through Eastern Europe, Iraq's invasion of Kuwait and the strong international military and diplomatic response, the dissolution of the Warsaw Pact, far-reaching East-West arms control agreements including the CFE and START treaties, the post-coup transformation of the Soviet Union, and a new Middle East peace process—will yield a new pattern of world military activity that will be reflected in future WMEAT reports.

The data contained in this year's WMEAT volume begin to indicate these fundamental changes. Developments include a reduction in superpower competition and a decline in both the world's total military spending and trade in arms, yet also a growing number of arms exporters.

The reduced US-Soviet arms rivalry, probably the most significant development during the period covered, permits more attention to be paid to the military expenditures and arms transfers of other nations. For many of these countries, new forms of arms competition have emerged in parallel with the receding superpower competition. These new forms of competition differ in their geographic locale, in the military technology and weapons involved, in the underlying political forces driving them, and in the growing challenge to world security which they represent.

In the years ahead, *World Military Expenditures and Arms Transfers* will continue to identify important problems to be addressed and will help us measure our success. As we approach the new century, an increased urgency surrounds our efforts to deal with the proliferation of the technology of nuclear, chemical, and biological weapons and their means of delivery, as well as sophisticated conventional weaponry, especially into regions where the likelihood of military conflict has been high. Innovative and energetic arms control measures will thus remain a key component of our overall strategy for international security.



Ronald F. Lehman II
Director

Preface

This edition of *WMEAT* (pronounced "we-meet"), the twenty-first in the series issued by the Arms Control and Disarmament Agency, is intended to serve as a convenient reference on military expenditures, arms transfers, armed forces, and related economic data for 144 countries over the 1979-1989 decade. We have continued our efforts to provide comprehensive, up-to-date, and accurate data, accompanied by pertinent analyses and highlights.

New features in this edition include a set of tables ranking the countries of the world by each variable in 1989 and an essay on India's evolving defense and security policy.

A new data series on US arms imports is used in this edition, as explained in the Statistical Notes.

Future editions of this report are now available through the Standing Order Service of the Superintendent of Documents (see last page).

Comments and questions regarding this publication are welcome. They may be directed to:

U.S. Arms Control and Disarmament Agency
Washington, DC 20451

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Highlights

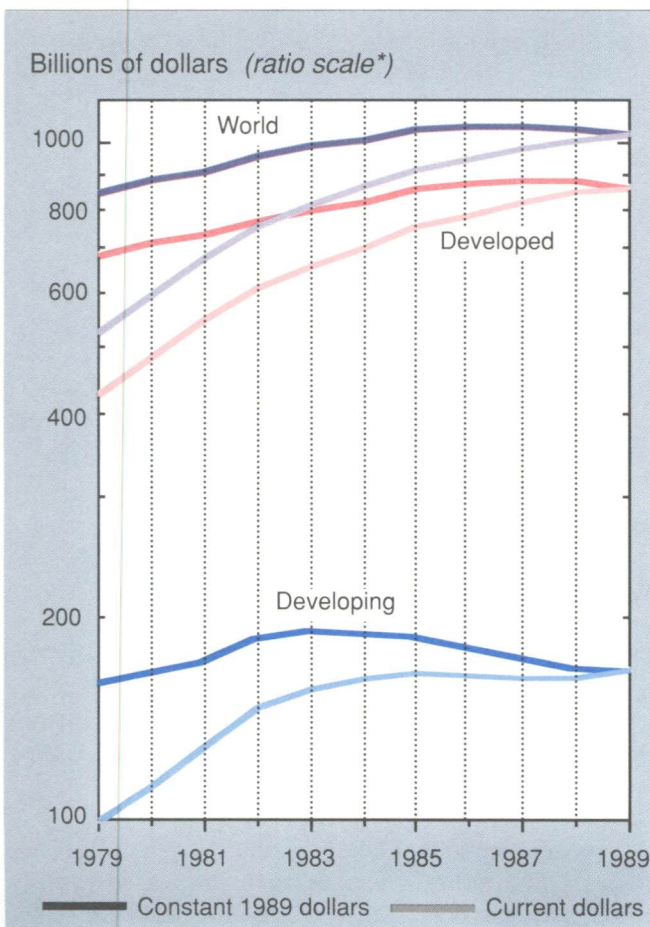
Military Expenditures

Global Trends

World military expenditures are continuing to rise in current dollars, reaching \$1.035 trillion in 1989 (Main Table I). However, the rise in current dollars was due to inflation, which more than offset the drop in real (or constant dollar) terms. In constant dollars, world military spending decreased slightly for the second year in a row, a 3% drop from the 1987 peak level of \$1.065 trillion.

Figure 1 shows world military spending trends in both current dollars, reflecting inflation, and constant dollars, based on 1989 exchange rates.

Figure 1
World Military Expenditures, 1979-1989



The 1989 level of military spending was the lowest since 1984 in constant dollars, with relatively small changes up and down in the interim. Over the entire 1979-1989 period reported on in this edition, growth averaged an annual rate of 2.2% (Table 1).

Military expenditures of developed countries declined 2.4% from their 1987 peak, to \$867 billion in 1989, when they accounted for 84% of the world total. This share has increased from the 1979 level of 81%, as annual growth over the decade averaged 2.6% compared to virtually zero growth for developing country spending.

Further declines in developed country military expenditures are inevitable, in view of developments in the world security picture since 1989, such as the dissolution of the Warsaw Pact and the Soviet "revolution" of August 1991. Because of the preeminence of the developed group, the world trend will also decline.

*The changes noted here refer to the series in this edition of WMEAT. Inter-edition changes in the dollar level of a given data series also can occur because of the movement of the dollar with respect to other currencies, since the practice here is to employ a new base year for exchange rates with each edition.***

Developing country military expenditures declined slightly in 1989, continuing the downward trend which has characterized the latter two-thirds of the decade. Military spending by the developing countries rose steadily in the first third of this period, but after peaking in 1983 at \$192 billion, declined rapidly thereafter. This resulted in almost no annual growth for the decade (0.3%) and a 3.1% annual decline for the last half. In 1989, developing country military expenditures decreased 1.2% from the previous year to \$168 billion. Although relatively smaller

* The logarithmic or ratio scale used in this and other figures is designed to facilitate growth rate comparisons. A ratio scale is compressed as values increase so that, anywhere on the chart, equal vertical distances show equal ratios of value and equal slopes represent equal growth rates.

** See Statistical Notes, Conversion . . . to Dollars, for a discussion of the effects of exchange rate changes.

Table 1
Military Expenditures: Shares and Growth
(In percent)

	World Share		Real Growth Rate*	
	1979	1989	Decade 79-89	2nd Half 85-89
World	100.0	100.0	2.2	-0.4
Developed	81.2	83.8	2.6	0.2
Developing	18.8	16.2	0.3	-3.1
Region				
Warsaw Pact	39.1	35.3	1.4	-0.1
North America	24.0	30.4	4.8	-0.1
NATO Europe	15.0	14.2	1.4	0.5
East Asia	8.1	8.0	2.0	2.0
Middle East	6.8	5.1	-1.5	-8.8
Other Europe	2.4	2.2	1.2	0.0
Africa	1.8	1.5	-0.7	0.0
Latin America	1.4	1.4	2.6	0.4
South Asia	0.8	1.1	6.4	2.9
Oceania	0.6	0.7	3.3	-1.5
Europe, all	56.5	51.7	1.4	0.1
Organization				
NATO, all	39.0	44.7	3.6	0.1
Warsaw Pact	39.1	35.3	1.4	-0.1
OPEC	5.6	4.5	-1.5	-7.1
OECD	43.7	50.0	3.6	0.3

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

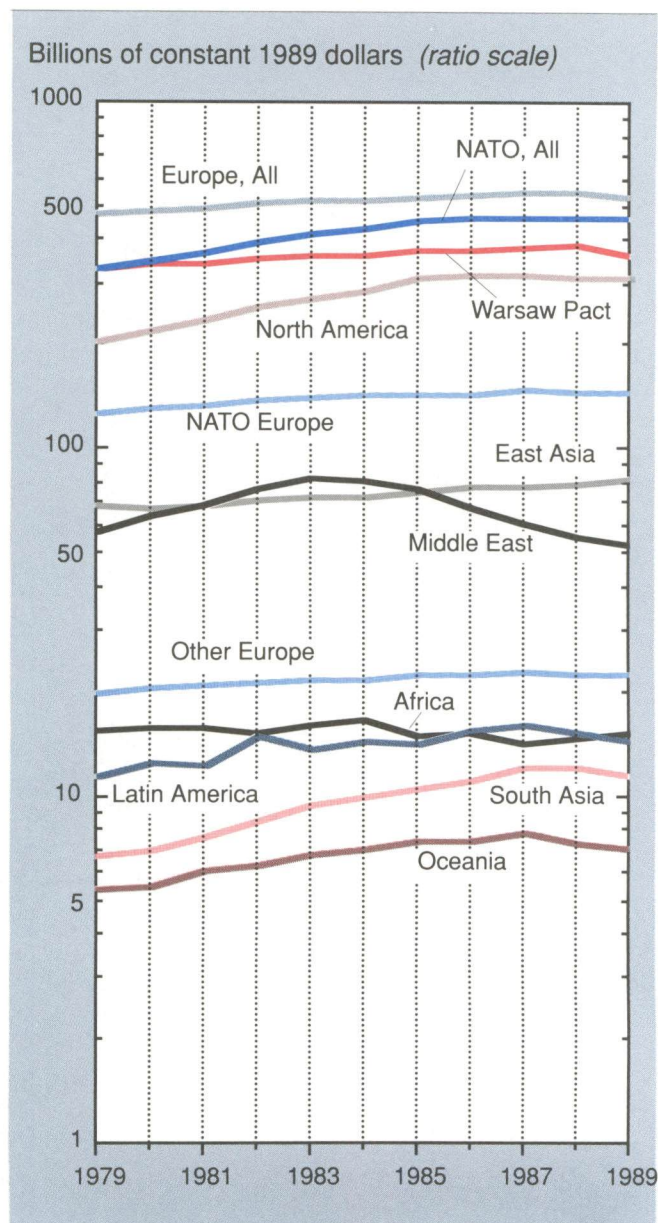
than in prior years, the decrease makes the 1989 level the lowest since 1980 and drops the developing country share of world military expenditures to 16%, from 19% in 1979. It remains to be seen whether or not the decelerating decline presages a levelling or upturn in the near future.

Regional and National Trends

Military expenditures are very unevenly distributed among regions; **the Warsaw Pact and NATO countries together accounted for about 80% of total world military spending, and with the addition of East Asia and the Middle East, for 93%, throughout the decade of the 1980's (Table 1).** Thus, five major regions—Other Europe, Africa, Latin America, South Asia, and Oceania—together made up only 7% of the world total.

The Warsaw Pact continued as the single region with the largest share of the world's military spending,

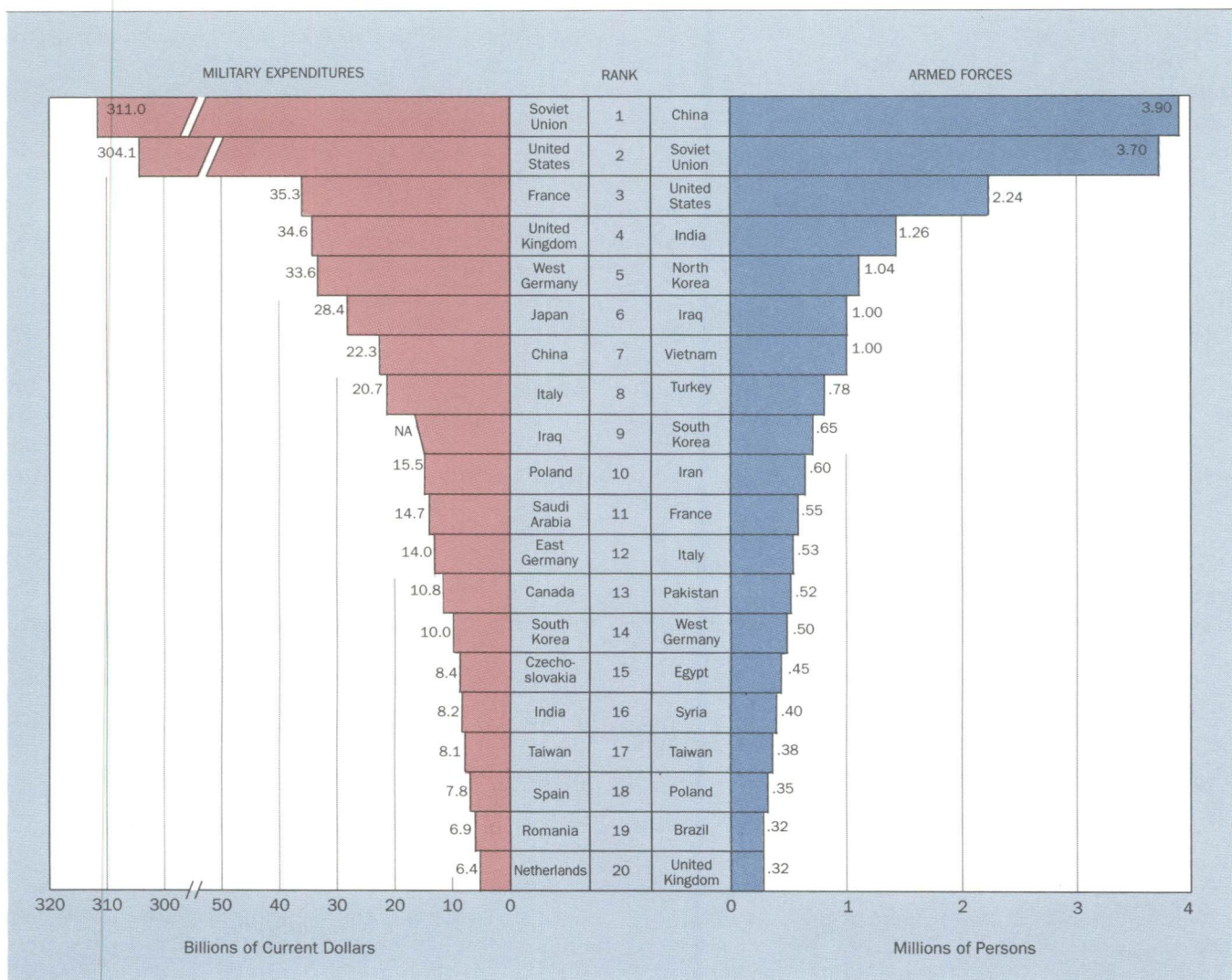
Figure 2
Military Expenditures by Region, 1979-1989



35.3% in 1989. This represents a decline from its 39.1% share at the beginning of the decade. Annual growth in Warsaw Pact military spending for the decade was a moderate and steady 1.4%, with expenditures increasing in all but the last year of the period. In 1989, Warsaw Pact military expenditures fell 5.7%, or \$22 billion. **This decline is due almost entirely to the \$19.9 billion decrease in military expenditures by the Soviet Union,** which made up 85% of the region's spending.

Among the developed regions, **North American (mainly US) military expenditures increased rapidly throughout the first half of the decade, peaked in 1986,**

Figure 3
Leading Military Powers, 1989



and then fell through the end of the period (Figure 2). Although growth was a robust 4.8% for the decade as a whole, during the second half there was a small but steady 0.1% annual rate of decline.

Military spending by all NATO countries grew throughout the decade at a rate of 3.6%, but slowed to 0.1% during the last five years. This slowdown was due to the combined effect of slower growth in North America, as well as in NATO Europe, which experienced modest growth of 1.4% for the entire decade and 0.5% during the last half. US military expenditures increased throughout the first half of the decade, and after peaking in 1986 at \$312 billion, began a steady decline, with a drop of \$1 billion in 1989. This decline was offset by increases in the United Kingdom (\$0.6 billion in 1989, the first increase in a half decade) and France (\$0.4 billion).

Growth in East Asian military spending, fourth among regions, remained constant at 2% throughout the decade 1979-1989, as well as during the last five years of that period. Japan, now East Asia's largest military spender, and South Korea were the only two East Asian countries to experience continued increases in military expenditures throughout the decade, with 5.1% and 5.3% annual rates, respectively. China's military spending, the largest in East Asia until surpassed by Japan's in 1985, declined at a 1.4% rate during the decade. Together, Japan and China accounted for 61% of total East Asian military expenditures.

Military spending in the Middle East, the fifth largest spending region, fell dramatically during the second half of the decade, at a rate of 8.8%, compared to 1.5% for the decade. Military expenditures attained the decade high

of \$82.8 billion in 1983, and then began a rapid decline. In 1989, military expenditures fell 5% to \$53.2 billion, the lowest level of spending of the decade, and a drop of 36% from the 1983 peak.

Decreases in Egyptian, Syrian and Saudi Arabian military spending contributed significantly to the Middle East decline. These countries had the largest rates of decline during the last half of the decade, 16.5% in Egypt, 16.2% in Syria and 12.3% in Saudi Arabia. Egyptian military expenditures peaked in 1984 at \$8 billion, but by 1989 had experienced the largest decrease in Middle East military expenditures, falling 54.7% to \$3.5 billion. The 40% decrease from 1985 to 1989 in Saudi military spending—the largest in the region—accounted for over 40% of the total Middle East decline in this period.

Spending by the rest of Europe, other than NATO and the Warsaw Pact, grew at a rate of 1.2% for the decade but remained relatively unchanged during the last half.

African military expenditures increased slightly in 1989, although the trend over the decade has generally been one of decline. Growth for the decade was -7%, compared to 0% for the last half.

Military expenditures in Latin America grew at an annual rate of 2.6% throughout the decade, but slowed to 0.4% during the last half as military spending fell 5% in 1989 to \$14.5 billion.

South Asia continued to be the region with the most rapid growth in military expenditures, as it has been in the last four editions of this report. South Asian military expenditures for the decade 1979-1989 grew at a rapid rate of 6.4%, whereas North America and Oceania, the only two other regions with growth rates over 3%, experienced growth of 4.8% and 3.3%, respectively. During the last five years of the decade, annual growth in South Asian military expenditures slowed considerably to 2.9%, still considerably higher than in the only other significantly growing region, East Asia (2%).

Military expenditures in India and Pakistan, South Asia's largest military spenders, experienced rapid growth during the decade. Indian spending, which accounted for 74% of total South Asian military expenditures over the decade 1979-1989, increased steadily throughout four-fifths

of the decade and resulted in a growth rate of 5.8% for the decade and 2.3% for the last half. Following the 1987 peak in military expenditures of \$8.9 billion, Indian spending decreased, ultimately falling 8% by 1989. Military expenditures in Pakistan increased at a much more rapid pace, 9.6%, during the decade and 5.8% during the last half. An especially large increase occurred in 1983, when Pakistani military expenditures jumped nearly 26%. Even so, Pakistan's military expenditures made up only 19% of the South Asia total over the decade.

As a result of the intense civil war plaguing the country, Sri Lanka experienced the most rapid growth in military expenditures of all South Asian countries, 17.2% during the decade as a whole and 11.7% during the last five years. Although only 3% as large as India's, Sri Lanka's military spending is the third largest in South Asia.

In terms of military spending by country in 1989, **the Soviet Union outspent the United States, as well as the rest of the world,** despite the fact that both Soviet and US military expenditures decreased (Figure 3). Soviet defense outlays fell 6%, or \$20 billion, in 1989, whereas US defense outlays fell 0.3%, or \$1 billion. For the Soviet Union, this is the first decline in a decade of slow but steady growth (1.3% on average annually). In the case of the US, however, growth throughout the decade was a robust 4.8% even though military expenditures have been decreasing since peaking in 1986 at \$312 billion. Defense expenditures by the Soviet Union and the US outstrip the next largest military spender (France) by a factor of over eleven to one.

Since the 1989 edition of *WMEAT*, **there have been several changes in the ranking of countries by the amounts they allocate for their military programs** (Figure 3). (This is in large part due to the shift in this edition to 1989 exchange rates; see also the discussion of the impacts of this shift in Statistical Notes, Conversion...to Dollars.) While the Soviet Union and the US continue to maintain their rankings as the world's largest military spenders, Iran's fall out of the top twenty from the number 13 position to 37 was the largest change in rank in 1989. Iraq and South Korea, on the other hand, moved up in the ranking from number 12 to 9 and 18 to 14, respectively. Two newcomers to the list of the twenty leading military spenders were Taiwan (17) and the Netherlands, which replaced Bulgaria as number 20.

Armed Forces

World Armed Forces

The world's total armed forces declined slightly to **28.3 million members in 1989, continuing a mild downward trend** since peaking at 28.9 million in 1986. The 0.7% drop in 1989 compares with a 0.3% average rate of decline since 1985. The worldwide level has been fairly stable over the decade, with an average growth rate of 0.8% (Table 2 and Main Table I).

Developed Country Trends

Developed country armed forces dropped 3.3% in 1989 to 10 million persons. This was the second straight year of decline after peaking at 10.5 million in 1987. These forces grew slightly during the decade (at a 0.3% rate) and declined mildly during the second half (0.7%).

Falling armed forces levels among Warsaw Pact countries, which dropped at a 1.6% rate since 1985, explained almost the entire developed country decline. Every Warsaw Pact country except East Germany declined in 1989, resulting in a total decline of 6.2% and dropped the region's share of the world's armed forces from 19.6% in 1979 to 17.5% in 1989.

The largest declines were in the Soviet Union, which alone accounted for nearly 60% of the total developed country decline (and matched the world decline). Soviet armed forces, the second largest in the world, accounted for about 74% of the region's total manpower during 1979-1989. After more than a decade during which the level remained constant at 3.9 million persons, Soviet military manpower fell 5% in 1989 to 3.7 million. Poland experienced the second largest decline in armed forces of the Warsaw Pact countries, falling 18.6% in 1989.

Developing Country Trends

Armed forces in the developing countries experienced modest growth of 1.1% throughout the decade 1979-1989, with a minimal 0.1% annual rate of decline since 1985. In 1989, manpower levels increased 0.8% to 18.3 million persons, the second highest level of the decade after the 1986 peak of 18.45 million.

East Asia, Latin America and Africa were the only regions in the world to experience increases in armed forces in 1989. Of these, East Asia, which accounts for the largest share of world armed forces, 29.8% in 1989, was mainly responsible for the increase in developing country armed forces. East Asian armed forces increased 3.5% in

Table 2

Armed Forces: Shares and Growth

(In percent)

	World Share		Growth Rate*	
	1979	1989	Decade 79-89	2nd Half 85-89
World	100.0	100.0	0.8	-0.3
Developed	37.4	35.5	0.3	-0.7
Developing	62.6	64.5	1.1	-0.1
Region				
East Asia	31.6	29.8	-0.5	-0.4
Warsaw Pact	19.6	17.5	0.1	-1.6
NATO Europe	11.8	11.6	0.6	-0.2
Middle East	7.5	11.3	5.8	7.4
North America	7.9	8.2	1.1	-0.1
South Asia	7.8	7.1	1.7	-3.8
Africa	4.7	5.9	2.9	0.2
Latin America	5.6	5.7	1.0	-4.0
Other Europe	3.3	2.6	-1.6	-1.9
Oceania	0.3	0.3	0.0	-0.2
Europe, all	34.6	31.7	-0.0	-1.1
Organization				
NATO, all	20.0	19.7	0.8	-0.2
Warsaw Pact	19.7	18.6	-0.1	-1.6
OPEC	5.7	8.9	6.0	5.6
OECD	23.3	22.6	0.6	-0.2

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

1989 to 8.4 million persons, nearly the level of a decade ago. The level has fluctuated, peaking first in 1981 at a decade high of almost 9 million persons and again in 1986 at a second high of 8.6 million before dropping to a decade low of 8.1 million in 1987. Over the decade, there has been a slow downward trend.

The largest armed forces in East Asia belong to the People's Republic of China, Vietnam and North Korea, which together accounted for 70% of the region in 1989. Chinese armed forces, the largest in the world and roughly twice the size of the North Korean and Vietnamese armed forces combined, declined at a 2.4% rate over the entire decade, and 1.6% during the last five years. **China's armed forces in 1989 increased almost 11% to 3.9 million persons,** after peaking at nearly 4.8 million persons in 1981 and then falling to 3.5 million in 1987, their lowest level of the decade.

North Korean armed forces reached their highest level of the decade in 1989, up 23.5% to slightly over a million persons. They grew at an annual rate of 2.9% over the period 1979-1989 and roughly twice that during the last half. This increase represents the largest change, positive or negative, in armed forces levels of any East Asian country.

The Middle East continues to have the most rapid growth in armed forces, not only for the decade (5.8%) but particularly over the last five years of the period, when growth reached 7.4%. In 1989, the Middle East accounted for 11.3% of the world's armed forces, compared to 7.5% in 1979. In 1989, Middle East armed forces declined slightly, down almost 1% to 3.2 million persons.

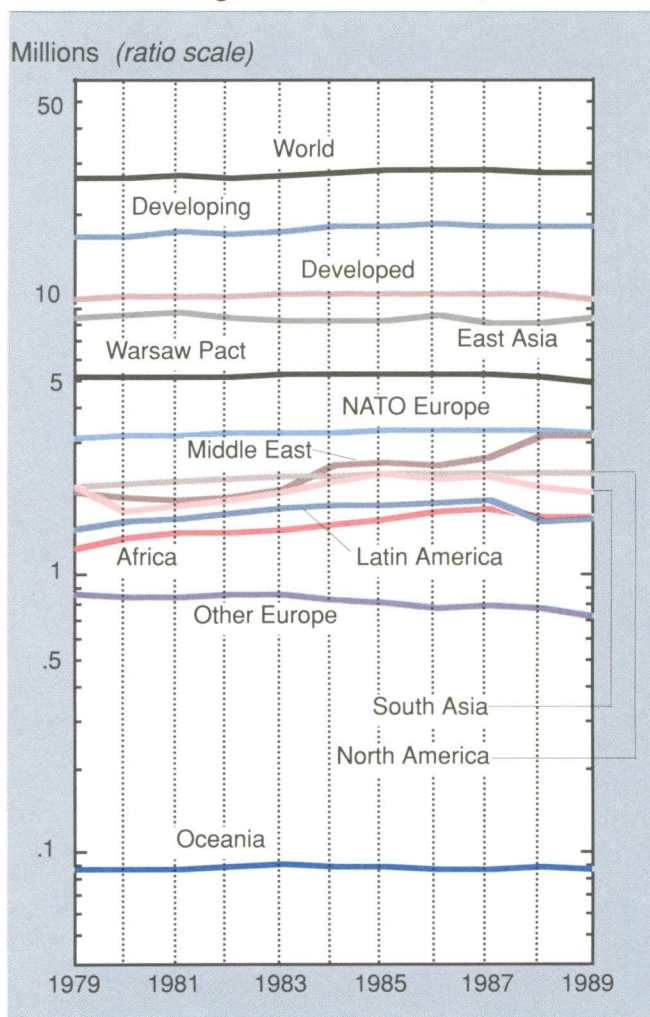
Iraq has both the largest armed forces in the Middle East, 1 million persons in 1989, and one of the fastest growing, with 11.4% growth throughout the decade and 7.3% during the last half. Iraqi armed forces accounted for roughly one-third of total Middle East military manpower.

Iranian armed forces, the second largest in the region, also grew rapidly (6.5%) over the decade, but especially during the last half, when growth exceeded 19%.

Jordan and North and South Yemen also experienced large increases in armed forces during the decade. Although not quite one-fifth the size of Iraq's army as of the end of the decade, the Jordanian armed forces increased 15% in 1989 and nearly tripled from 1979 to 1989, while armed forces in South Yemen (Aden) more than quadrupled. Armed forces in South Yemen and North Yemen (Sanaa) grew at a rate of 39% and 27%, respectively, throughout the last half of the decade.

In terms of armed forces per thousand people in 1989, Jordan ranked first with roughly 60 armed soldiers per thousand people, followed closely by Iraq with 55, Israel with 44, South Yemen with 35, and Syria with 33. These countries (together with North Korea) ranked highest in the world in this "force ratio" measure (see Country Rankings).

Figure 4
World and Regional Armed Forces, 1979-1989



South Asian armed forces grew at an overall rate of 1.7% during the decade, but declined during the last half at a 3.8% rate, the second fastest rate of decline after Latin America. Indian armed forces, the largest in South Asia by a factor of over two, experienced fairly rapid growth of 2.2% throughout the decade 1979-1989, but as a result of substantial decreases in armed forces during the last half, declined drastically at a 4.5% rate. In 1989, Indian armed forces fell 7.7%, which represents a 17% drop from the 1985 peak of 1.5 million persons. Pakistani armed forces, which declined throughout almost the entire second half of the decade, increased 7.4% in 1989 to 520,000 persons.

Africa had the second fastest rate of growth in armed forces during the decade, 2.9%, although during the last half, growth slowed considerably to 0.2%. In 1989, African armed forces increased 1% to 1.7 million persons, still below the 1987 peak of almost 1.8 million.

Latin American armed forces resumed a 1.7% rate of growth in 1989, following a sharp 16% drop in 1988. This drop, which occurred mainly in Brazil, ended a period of considerable growth, at a 2.9% rate, from 1979 to 1987. Increases in Colombian and Guatemalan armed forces were the main contributors to the 1989 rise.

Brazil's armed forces, the region's largest, increased slowly to a peak of 541,000 persons in 1987 and then fell to their lowest level of the decade, 319,000 in 1988 and 1989.

Other European armed forces (besides those of NATO and Warsaw Pact countries) declined at a 1.6% rate throughout the decade, and at a 1.9% rate for the last five years of the period. Armed forces were at their highest

level of the decade in 1979 and at their lowest, 0.7 million persons, in 1989.

As expected, the armed forces of OPEC member countries grew faster than other organizational groupings during both the decade (6%) and the last five years of the period (5.6%). NATO countries also experienced growth during the decade, albeit at the much lower rate of 0.8%, but fell slightly during the last half.

In the 1989 ranking of the world's armed forces, China (3.9 million) replaced the Soviet Union (3.7 million) as the largest, while the US remained third (2.2 million) (Figure 3). The two largest changes in the ranking were North Korea's move from number eight in 1988 to five in 1989 and Italy's, from 15 to 12.

Developing countries generally possess the world's largest armed forces and in 1989, they accounted for

Table 3
Force Ratio Trends

	Amount			Growth Rate*	
	1979	1985	1989	Decade 79-89	2nd half 85-89
Armed Forces:	(In millions)				
World	26.7	28.6	28.3	0.8	-0.3
Developed	10.0	10.4	10.0	0.3	-0.7
Developing	16.7	18.2	18.3	1.1	-0.1
Population:	(In billions)				
World	4.38	4.85	5.20	1.7	1.7
Developed	1.08	1.13	1.16	0.7	0.7
Developing	3.30	3.73	4.04	2.0	2.1
Force Ratio:	(In soldiers per 1000 pop.)				
World	6.1	5.9	5.4	-0.9	-2.0
Developed	9.3	9.2	8.6	-0.5	-1.4
Developing	5.1	4.9	4.5	-0.9	-2.1
Middle East	15.5	16.1	17.8	2.4	4.5
Warsaw Pact	14.0	13.7	12.3	-0.9	-2.3
NATO Europe	9.7	9.9	9.6	-0.0	-0.8
North America	8.5	8.8	8.5	0.1	-1.0
Other Europe	9.4	8.4	7.4	-2.1	-2.3
East Asia	5.5	5.1	4.8	-1.9	-1.9
Latin America	4.3	4.5	3.7	-1.2	-5.9
Oceania	4.2	3.9	3.6	-1.5	-1.6
Africa	2.9	3.1	2.8	-0.1	-2.7
South Asia	2.3	2.3	1.8	-0.6	-5.9

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

64.5% of the world total. Of the twenty largest armed forces, thirteen were in developing countries. China, India, and North Korea were among the countries with the five largest armies in 1989. The next five—Iraq, Vietnam, Turkey, South Korea and Iran—maintained armed forces larger than those of such military powers as France, Italy, and West Germany.

Force Ratios

The ratio of a country's armed forces to its population provides a useful indicator of national military burden and effort. A comparison of trends in armed forces, population, and the resulting "force ratio" shows some significant differences between developed and developing countries and sharp differences among regions (Table 3, see also Figure 16, column 1).

Developing country armed forces and population both grew faster than those of the developed countries during the decade 1979-1989, but the population of developing countries grew the most rapidly. As a result, **the force ratio in developing countries declined at a rate of nearly 1% over the decade and at a rapid rate of over 2% in the last half.** In the developed countries, population also grew faster than armed forces, but at a much lower level. This resulted in more **modest declines for the force ratios of the developed countries.**

The force ratio for the developed countries is nearly double that for developing countries. With the disparities in growth rates for armed forces and population between the two groups, this difference in force ratio levels has been increasing and seems destined to continue to do so. That is, in the future the military "burden," as measured by the force ratio, will grow or remain higher for developed countries and decline further for developing countries. These trends suggest the possibility of long-term military manning problems for developed countries when considered in conjunction with such other tendencies as the aging of populations and increasing military expenditures per member of the armed forces.

The Middle East force ratio increased rapidly at a 2.4% rate over the decade and sharply at a 4.5% rate in the last half. The increases in the latter period occurred primarily in South Yemen, North Yemen, Jordan, Iran, Bahrain, and Iraq.

All other regions besides the Middle East experienced declines in the force ratio both in the recent half decade and the decade as a whole (except for North America in the latter period). Latin America and South Asian force ratios declined the most rapidly in 1985-1989.

Arms Transfers

Total World Trade

Total world arms transfers declined sharply in 1989, for the second year in a row (Figure 5). The 1989 level of \$45 billion, a new 10-year low, represents an 18% drop from 1988 and a nearly 28% drop from the 1987 peak level of nearly \$63 billion (in constant 1989 dollars; Main Table II).

It should be cautioned, however, that since the initial estimate for the latest year generally rises in subsequent editions, the extent of the recent downward trend is uncertain.

Since 1985, the decline in world arms trade has averaged 4% annually (Table 4). However, in the decade since 1979, the world trend has been more stable, with an annual decline of only 0.5%.

World arms agreements, indicators of the general direction if not the precise level of future arms trade, fell in

1989 to \$49 billion (Main Table IV). This marks the second year in a row that world arms agreements have declined and represents a drop of 10% from the previous year.

The share of the arms trade in total trade dropped in 1989 to 1.5%, its lowest point in a decade. This latest drop continues the downward trend that began in 1984 when the arms trade accounted for a decade high of 2.8% of total trade (Main Table II).

Arms Import Trends

The 1989 decline in world arms imports is attributable primarily to the developing countries. They accounted for \$34.6 billion or 76% of total arms imports, a share that has dropped considerably from its 1979 level of

Table 4
World Arms Imports: Shares and Growth
(In percent)

	World Share		Real Growth Rate*	
	1979	1989	Decade 79-89	2nd Half 85-89
World	100.0	100.0	-0.5	-4.1
Developed	16.0	23.6	2.4	-5.6
Developing	84.0	76.4	-1.2	-3.6
Region				
Middle East	32.7	26.6	-1.8	-10.3
South Asia	4.5	17.4	11.9	15.2
NATO Europe	6.5	14.0	3.4	13.2
East Asia	17.7	11.8	-1.3	-2.4
Africa	19.0	8.8	-8.9	-8.2
Warsaw Pact	8.1	7.0	-2.4	-17.6
Latin America	6.8	5.6	-1.6	-10.3
North America	1.4	3.9	10.2	-1.5
Oceania	0.1	1.7	11.2	-5.2
Other Europe	2.3	3.0	3.5	3.7
Europe, all	16.9	24.0	1.2	-2.3
Organization				
NATO, All	7.9	18.0	5.2	8.8
Warsaw Pact	8.1	7.0	-2.4	-17.6
OPEC	31.5	23.2	-2.7	-11.4
OECD	11.3	25.4	6.2	6.4

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

Figure 5
World Arms Imports, 1979-1989

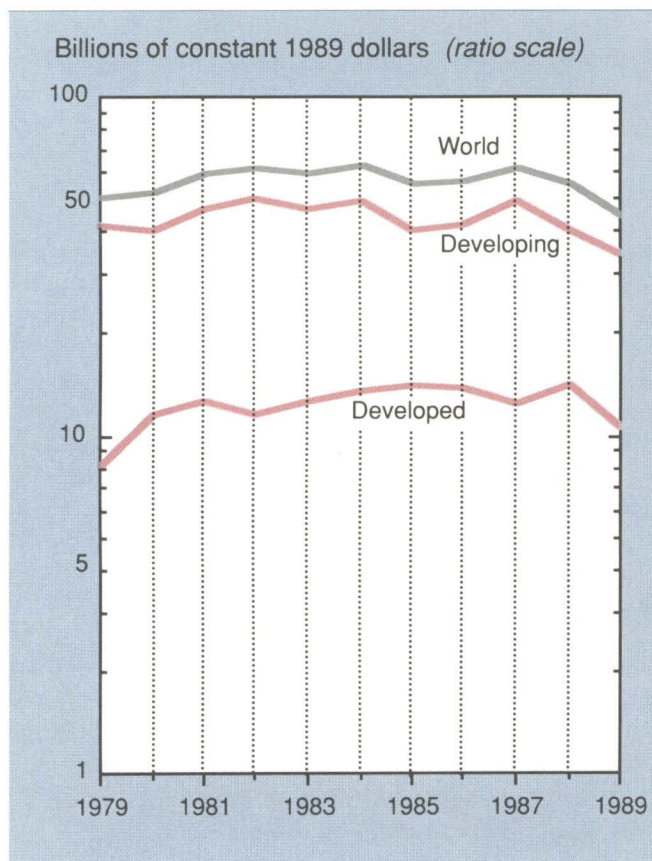
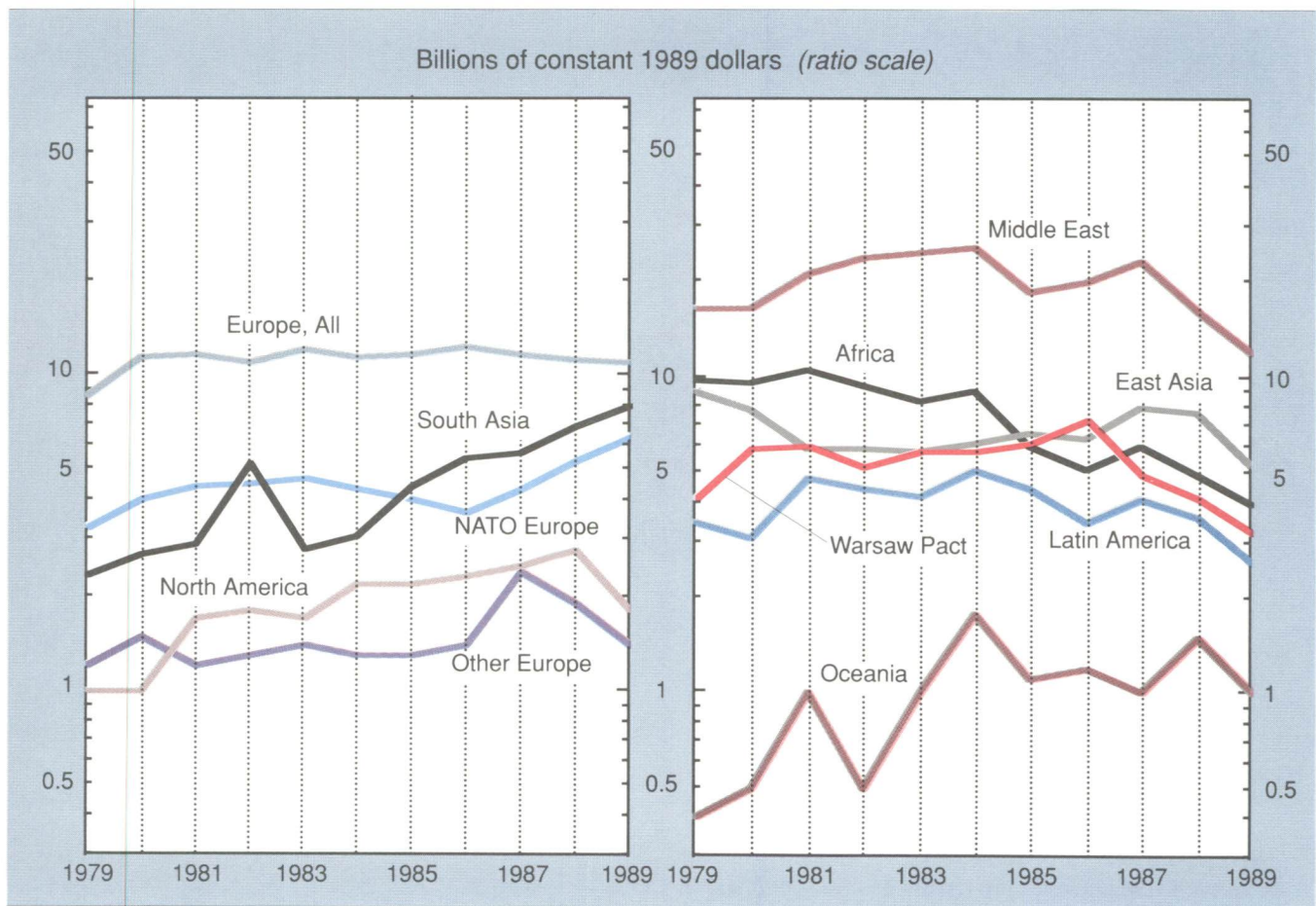


Figure 6
Arms Imports by Region, 1979-89



84%. Developing country arms imports fell \$6.6 billion (16%) in 1989, accounting for 65% of the world decline, and dropped \$15 billion (31%) since 1987, when the developing country arms import total of \$50.2 billion was close to the 1982 record level. Developing country arms imports declined throughout the decade at a rate of 1.2%, but declined at three times this rate (3.6%) during the second half of the decade.

Developed country arms imports totalled \$10.7 billion in 1989, a \$3.5 billion or 25% reduction from a 1988 level that was close to the peak 1985 level.

Over the course of the decade 1979-1989, developed country arms imports grew at an annual rate of 2.4%. However, the sharp drop in 1989 resulted in a 5.6% annual rate of decline for the last half of the decade.

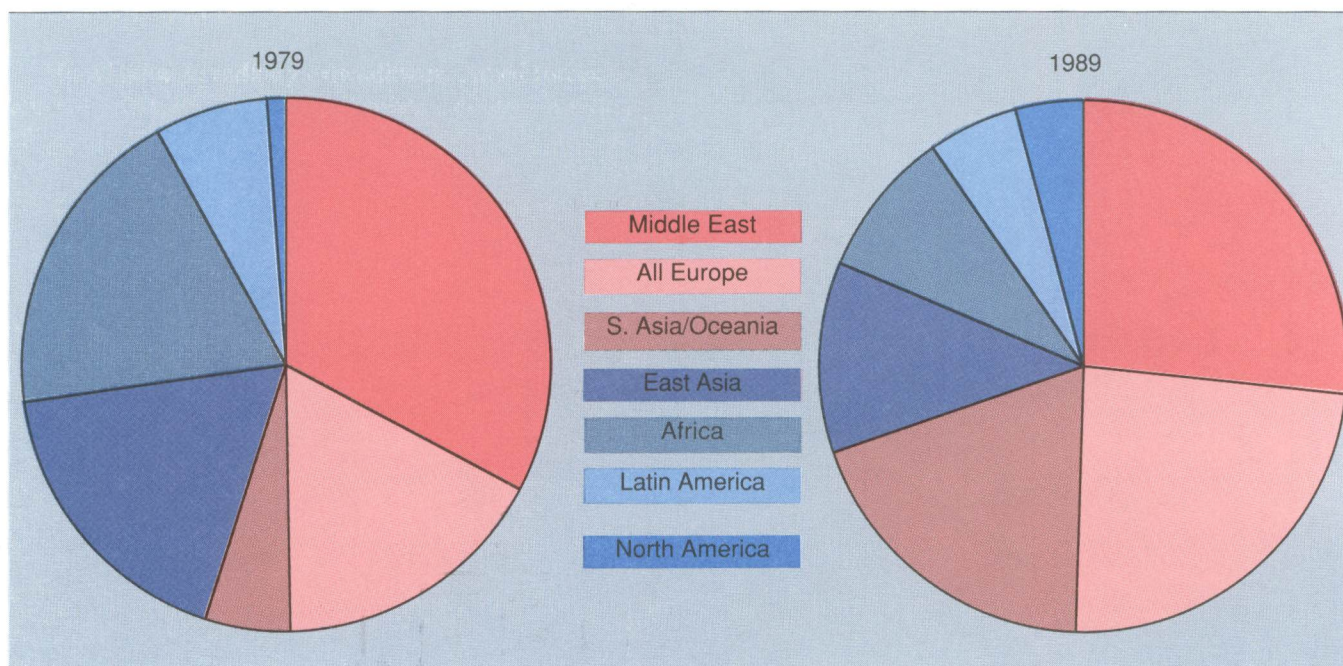
The regional distribution of the world's arms trade has changed considerably over the decade, as shown by the following percentage shares of the total :

1979		1989	
Middle East	32.7%	Middle East	26.6%
Africa	19.0	South Asia	17.4
East Asia	17.7	NATO Europe	14.0
Warsaw Pact	8.1	East Asia	11.8
Latin America	6.8	Africa	8.8
NATO Europe	6.5	Warsaw Pact	7.0
South Asia	4.5	Latin America	5.6
Other regions	4.7	Other regions	8.6

The Middle East continues to be the world's principal market for arms and military equipment, as it has been throughout the entire decade (Table 4, Figures 6 and 7). Its share of the world market was nearly one-third in 1979 and reached as high as 41% in 1983 before dropping to 27% in 1989.

The most significant change to the regional distribution of the world arms trade was South Asia's

Figure 7
Regional Shares of the World Arms Import Market, 1979 and 1989



rise from one of the smallest arms importing regions in 1979 to the second largest in 1989. In ten years, South Asia's share of the arms import market has virtually quadrupled in size, to 17% in 1989.

NATO Europe more than doubled its share of the arms import market over the ten-year period, ultimately becoming one of the top three arms importing regions in 1989 with 14% of the world's arms import market (compared to 6.5% in 1979).

Africa dropped to fifth place in 1989 after being the second largest importing region in 1979 and accounting for nearly one-fifth of the world total. Its share of the world total fell to 8.8%, less than half as large as it had been the decade before. East Asia's share of the world arms trade also dropped, by a third from 1979 to 1989.

The Middle East

Middle East arms imports amounted to some \$12 billion in 1989, marking a new 10-year low that is less than half the 1984 peak of \$26 billion and represents a 26% drop from the previous year. Since 1985, the average annual decline for the entire region has been just over 10%, with six of the 16 Middle East countries experiencing annual declines in excess of 20%. Those with the largest rates of decline in arms imports were Iraq (20.1%), Egypt (22.8%) and Jordan (23.1%).

The largest arms importers in the Middle East during the cumulative period 1985-1989, were the following (in billions of current dollars; Main Table III):

Saudi Arabia	\$23.0
Iraq	22.8
Iran	10.3
Syria	7.2
Israel	6.1
Egypt	5.8

Together these countries accounted for 89% of the region's \$84.5 billion in arms imports for the period, with Saudi Arabia, Iraq and Iran alone accounting for two-thirds.

In 1989, Saudi Arabia replaced Iraq as the largest arms importer in the Middle East, accounting for nearly 35% of the region's \$12 billion in arms imports (Figure 8). This change in ranking is due as much to the 63% drop in Iraqi arms imports in 1989, as to the 49% increase in Saudi Arabian arms imports since 1988. Despite the fact that such an increase returned the level of Saudi Arabian arms imports to roughly the level of the mid-1980's, they declined at an annual rate of 8% during the last half of the decade. Growth throughout the decade 1979-1989, however, was a strong 7.4%.

Iraqi arms imports fell to \$1.9 billion in 1989, reflecting the end of eight years of war between Iran and Iraq and marking a record low for the period, as well as an 82% drop from the 1984 peak of \$10.7 billion.

Iran was a distant third among Middle East arms importers. Its arms imports dropped 46% in 1989 to \$1.3 billion. During 1985-1989, Iran's imports (\$10.3 billion) were less than half the amount imported by the second largest arms importer, Iraq (\$22.8 billion).

The Soviet Union continued to be the number one arms supplier to the Middle East during 1985-1989 by providing roughly 28% of all arms imports to the region (Figure 10 and Main Table III). This dominant market position has been held by the Soviet Union since 1978. From 1985 to 1989, the Soviet Union's principal arms recipients in the Middle East included Iraq (\$13 billion), Syria (\$6.1 billion), the Yemens (North \$1.6 billion, South \$1.4 billion) and Jordan (\$1.2 billion).

The next two largest arms suppliers to the Middle East during 1985-1989 were the United States and France, which supplied 18% and 13% of the region's total arms imports, respectively. The major Middle East purchasers of US arms were Israel (\$6.1 billion), Saudi Arabia (\$5 billion) and Egypt (\$2.9 billion). The major purchasers of French arms were Saudi Arabia (\$7 billion) and Iraq (\$1.7 billion). Despite France's position as the third largest arms supplier to the Middle East, exports to the region have declined in recent years, from a high of 23% of total imports in 1985 to 14% in 1989.

The United Kingdom replaced China as the fourth largest supplier of arms to the Middle East. During the period 1985-1989, the United Kingdom supplied the region with \$8.4 billion in arms, roughly 10% of the total arms

imported. In 1989, the United Kingdom exported \$2.1 billion in arms to the region, a 60% increase over 1988, but down 36% from the 1987 peak (Main Table IV). The main recipient was Saudi Arabia, which in 1985-1989 received more than 91% of the United Kingdom's arms exports to the region (\$7.7 billion), or one-third of total Saudi Arabian arms imports (Main Table III).

South and East Asia

The size and importance of the arms market in South and East Asia has changed considerably over the decade 1979-1989. South Asia experienced tremendous growth in arms imports as its share of the world arms import market increased nearly four-fold from 4.5% in 1979 to 17.4% in 1989 (Table 4). East Asia, on the other hand, has seen its share of the world arms import market drop from roughly 18% in 1979 to 12% in 1989.

South Asia's arms imports grew more rapidly in the latter half of the decade than any other region in the world, more than 15% annually. Only two other regions experienced positive growth during this period, NATO Europe (13.2%) and Other Europe (3.7%).

India and Afghanistan, South Asia's largest arms importers during 1985-1989, respectively acquired \$16.1 billion and \$9.7 billion in arms. In 1989, Afghanistan was the second largest arms importer in the world (after Saudi Arabia) and India was the third largest (Figure 9). Pakistan, not among the world's top twenty-five arms importers, was a distant third in South Asia, accumulating some \$2 billion in arms imports in 1985-1989.

The Soviet Union has been the primary source of arms for the South Asians over the past half-decade, followed by France and the US. Soviet exports to South Asia amounted to nearly \$22 billion, over 76% of the region's arms imports in 1985-1989. The Soviet Union supplied 73% of India's arms imports, while France, the next largest exporter to this region, supplied 12%. In Afghanistan, nearly all of the \$9.7 billion in imported arms were supplied by the Soviet Union. In the case of Pakistan, the three largest arms suppliers were the United States (46%), China (21%), and Other Europe (20%).

East Asia's arms imports fell in the first third of the decade, then rose in 1983-1987 before falling through the rest of the period to the lowest level of the decade, \$5.3 billion in 1989. Vietnam, despite a declining growth rate throughout the decade (-7.7%), as well as in the latter half (-9%), continued to dominate the East Asian market; imports in 1985-1989 totalled some \$8.2 billion. Japan, the second largest arms importer in East Asia, received \$5.5

Figure 8
Middle East Arms Import Market, 1989

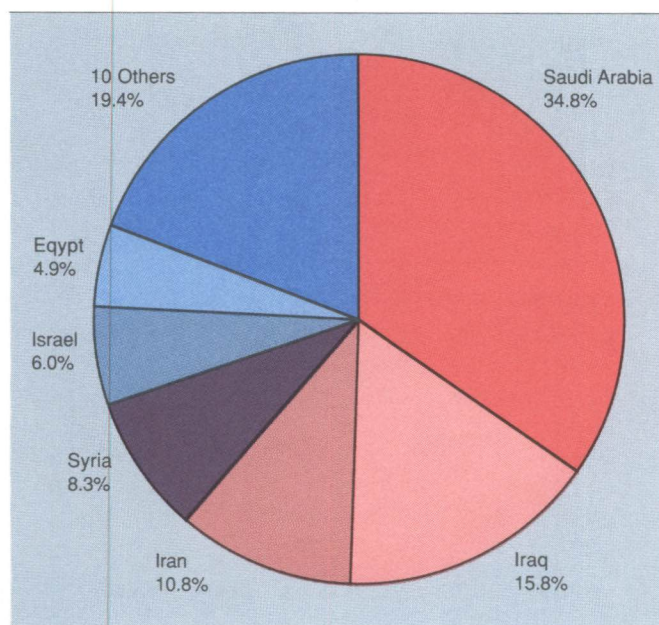
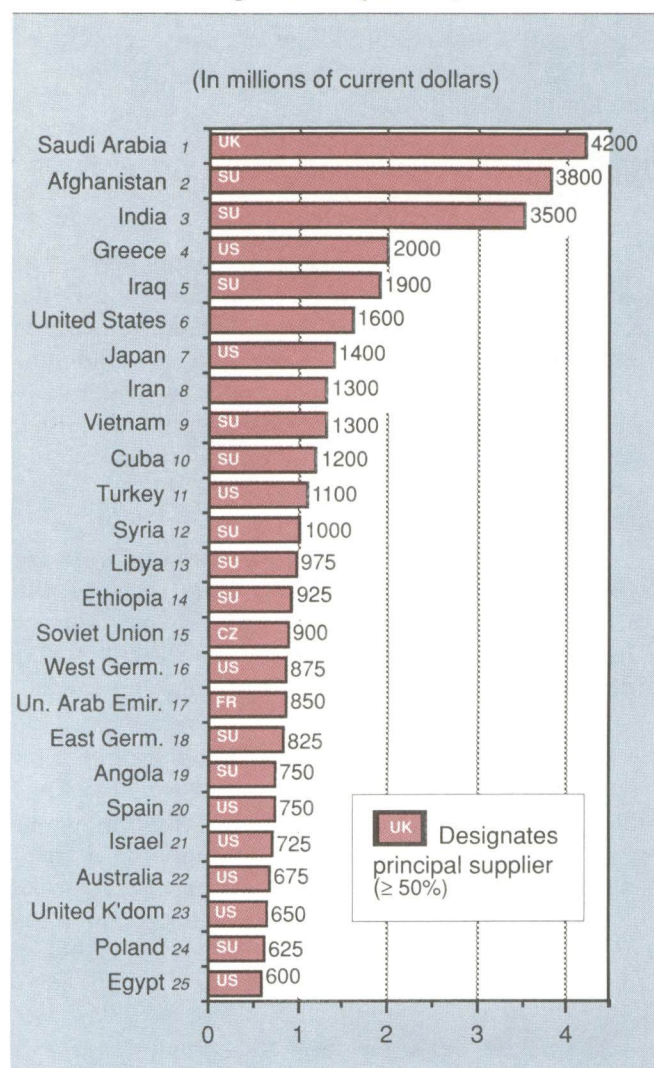


Figure 9
Leading Arms Importers, 1989



billion in arms during the same period. Vietnam ranked ninth in the world for arms imports in 1989.

The United States and the Soviet Union are the major arms suppliers to East Asia (Main Table III). As Figure 10 illustrates, the Soviet Union provided 42% and the United States 43% of total East Asian arms imported during 1985-1989. The Soviet Union supplied nearly all the arms for East Asia's largest importer, Vietnam, while the main recipients of US arms were Japan, Taiwan, South Korea and Thailand.

Africa

African arms imports continued to decline in 1989, falling about 19% to a new decade low of \$4 billion. African arms imports declined at an average annual rate of 8.2% during 1985-1989, and slightly faster over the ten-

year period. During the second half of the decade, the four major arms importing countries, Angola (\$6 billion), Libya (\$5.1 billion), Ethiopia (\$3.8 billion), and Algeria (\$3.3 billion), purchased 74% of all arms imported into the region. In 1989, African arms imports dropped to roughly 9% of total world arms imports, down from 19% in 1979 when Africa was the second largest arms importing region in the world, behind the Middle East.

The Soviet Union, historically the primary arms supplier to Africa, provided 70% of all arms imported into the region over the last half-decade (Figure 10 and Main Table III). The United States and France each supplied 4% of African arms imported in this period.

Arms Export Trends

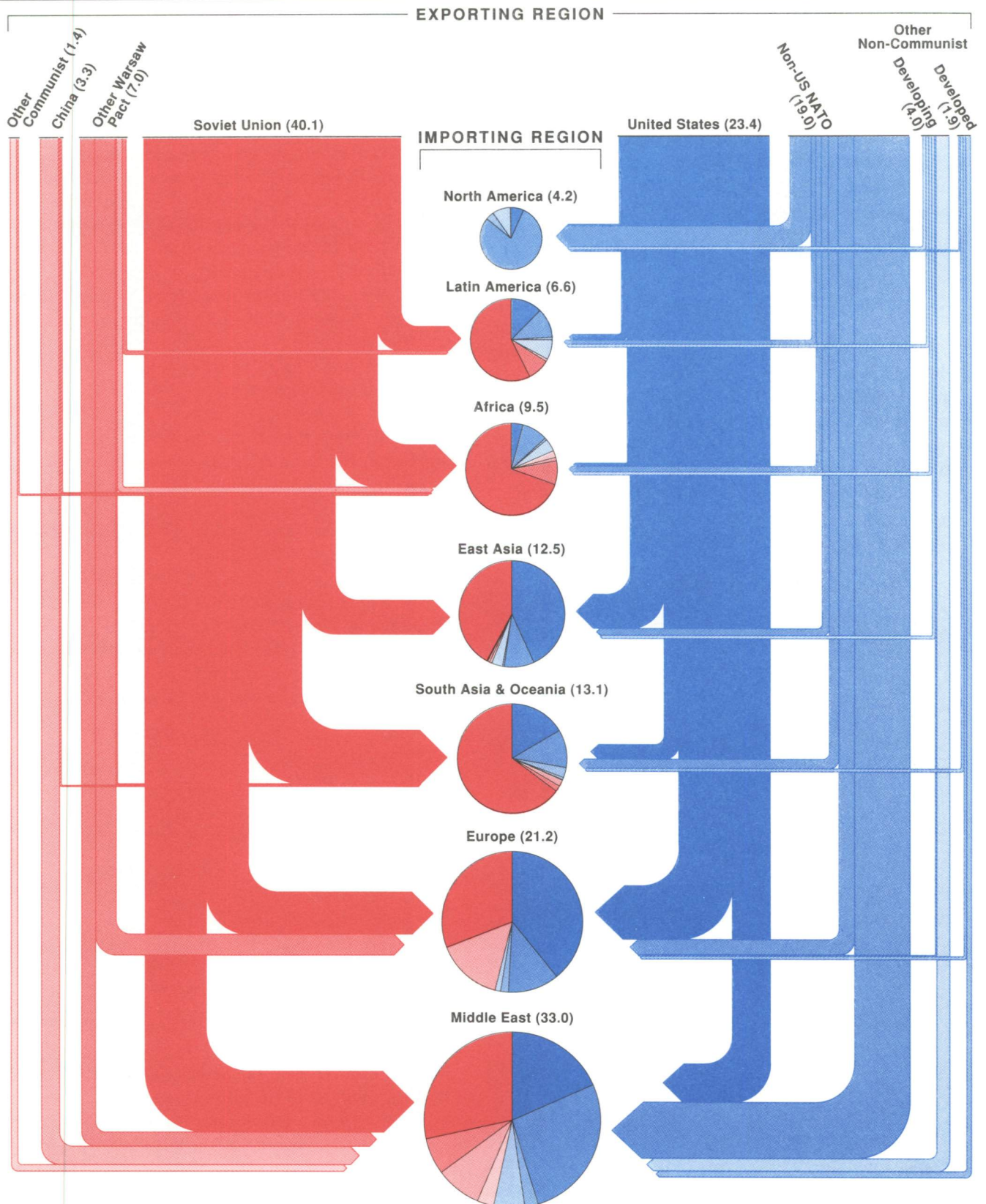
World arms exports, which virtually match world arms imports, declined by 4% annually in the last half-decade (Table 5 and Figure 11). As with world imports, the 18% decline in 1989 initially estimated in this report is subject to some upward revision in future editions.

Table 5
World Arms Exports: Shares and Growth
(In percent)

	World Share		Real Growth Rate*	
	1979	1989	Decade 79-89	2nd Half 85-89
World	100.0	100.0	-0.5	-4.1
Developed	95.8	90.3	-1.0	-4.5
Developing	4.2	9.7	6.8	0.5
Region				
Warsaw Pact	57.9	47.3	-1.7	-3.6
North America	19.2	25.6	3.1	1.3
NATO Europe	15.9	15.9	-3.1	-14.8
East Asia	1.5	5.8	8.7	16.5
Middle East	1.1	2.4	6.9	0.7
Other Europe	3.2	2.1	-4.3	-13.8
Latin America	0.4	0.6	9.1	-7.6
Oceania	0.1	0.2	5.6	-8.7
Africa	0.5	0.2	-2.0	-18.4
South Asia	0.1	0.0	-16.7	-30.6
Europe, all	77.0	65.3	-2.2	-7.1
Organization				
NATO, All	35.1	41.4	0.4	-5.7
Warsaw Pact	57.9	47.3	-1.7	-3.6
OPEC	0.6	0.3	-6.4	5.0
OECD	38.1	43.6	0.1	-6.0

* Average annual rate, calculated as a compound rate curve fitted to all points (see Statistical Notes for details).

Figure 10
Arms Transfer Flows, Cumulative 1985 - 1989



World Total = \$255.2 billion
Figures in parentheses represent percent of world total

Areas of circles and widths of flows are proportional to dollar values

The developed countries' share of world arms exports dropped to 90% in 1989, from 96% a decade earlier. The share of developing countries' exports rose concomitantly from 4% in 1979 to peak at 14% in 1984, then fell to 10% in 1989.

NATO-Warsaw Pact Comparison

The countries of NATO and the Warsaw Pact continue to dominate arms exports, together accounting for 89% of the world total in 1989, down from 93% in 1979 (Table 5 and Figure 12). The distribution of the arms export market between the two organizations has changed significantly over the past decade, however. The NATO and Warsaw Pact shares of the market in 1989 are close to equality (41% and 47%, respectively). In 1979, the Warsaw Pact's share was 58% and NATO's was 35%.

The relative importance of the arms trade is declining for both groups. The ratio of arms exports to total exports for Warsaw Pact countries has been falling throughout the decade, with arms exports constituting 9.3% of total exports in 1989, a decline of 28% since 1979, as well as a decade low (Main Table II). NATO countries' arms exports comprised 1.2% of their total exports in 1989,

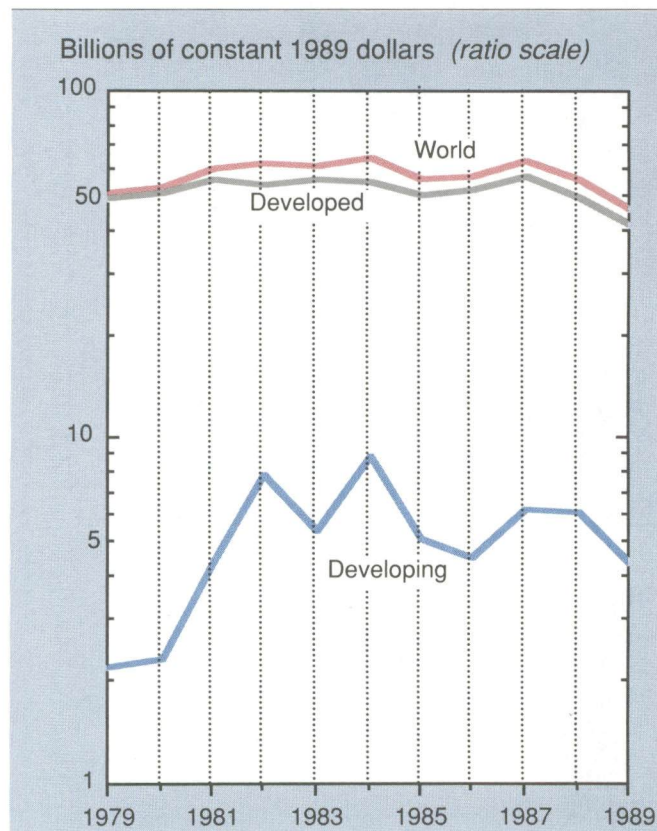
which also represents a decade low and 7.7% drop since 1979.

North American arms exports grew throughout the entire decade (at 3.1% annually) as well as during the last five years of the decade (1.3%). Despite such steady growth, North American arms exports fell 28% in 1989 to \$11.6 billion from a decade high of \$16.1 billion the previous year.

NATO Europe, on the other hand, maintained its same share of the world arms export market from 1979 to 1989 (15.9%) while experiencing a considerable decline in arms exports over the period, especially during the second half when the annual rate of decline was nearly 15%. As can be seen graphically in Figure 12, the trade volumes of NATO Europe and North America matched each other closely from 1979 to 1986, but diverged in the next two years, with North America growing and NATO Europe dropping. In 1989, these trends were reversed, again tending toward convergence.

The Warsaw Pact countries surpassed the NATO countries in the value of arms exports in almost every year of the decade, excluding 1984 (when arms exports peaked for the period) and 1985. The Warsaw Pact exported some \$21.5 billion in 1989, while the NATO countries exported \$18.8 billion.

Figure 11
World Arms Exports, 1979-1989



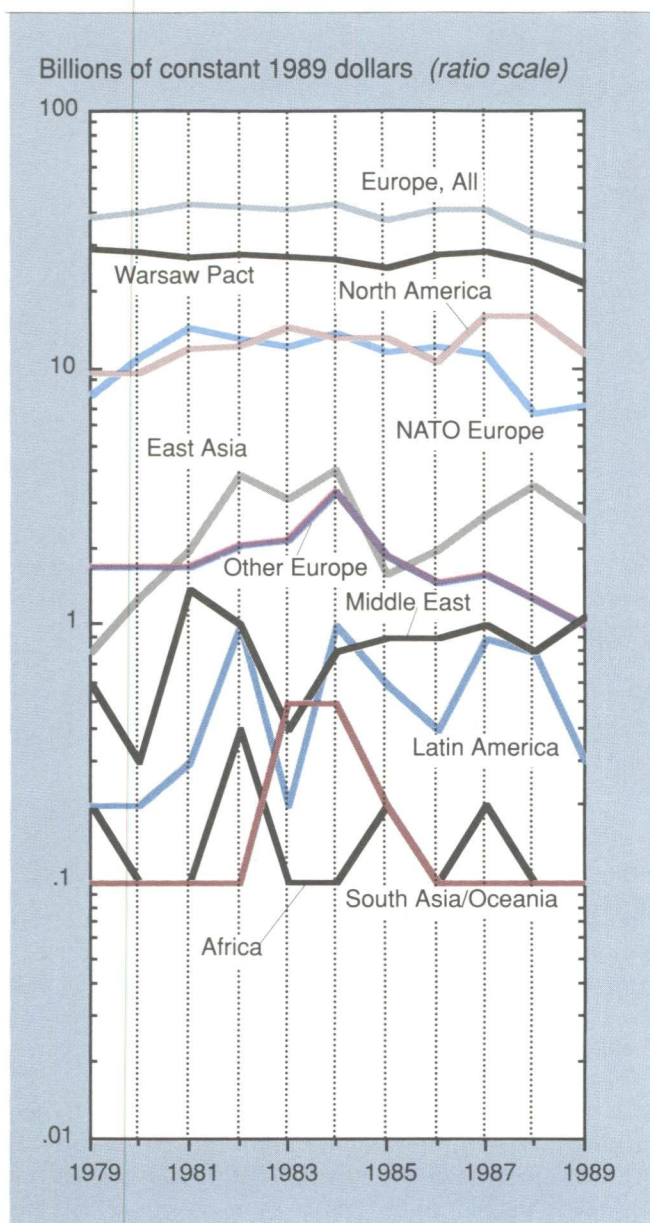
The Soviet Union continues to be the unchallenged leader among Warsaw Pact exporters. Within NATO, the United States is less so, although it exceeds its nearest ally several-fold in arms exports. The shares of the major exporters in each alliance were as follows:

	1985-1989	1989
Warsaw Pact	100.0%	100.0%
Soviet Union	84.9	91.2
Czechoslovakia	5.1	4.1
Poland	4.8	1.9
NATO	100.0	100.0
United States	55.2	59.5
France	17.0	14.3
United Kingdom	13.2	15.9
West Germany	5.9	6.4

United States-Soviet Union Comparison

Arms exports from the Soviet Union fell from \$22.5 billion in 1988 to \$19.6 billion in 1989, a decrease of nearly 13%. Despite this decline, the Soviet Union's share of the world arms export market increased from 41% in 1988 to 43% in 1989, due primarily to the relatively greater decline in total world arms exports.

Figure 12
Arms Exports by Region, 1979-1989



United States arms exports fell 27% to \$11.2 billion in 1989 from a decade high of \$15.4 billion in the previous year. The United States supplied nearly 25% of the world's arms exports in 1989. This was a decrease of 3.1% since 1988 but an increase of 6.1% from the 1979 level (Table 6).

The United States and the Soviet Union together supplied nearly 68% of the world's arms exports in 1989, down slightly from the previous year. Their combined percentage share to the world has generally tended to rise over the past decade but has not returned to the decade high of 71% supplied in 1979.

Figure 13
World Arms Export Shares, 1989

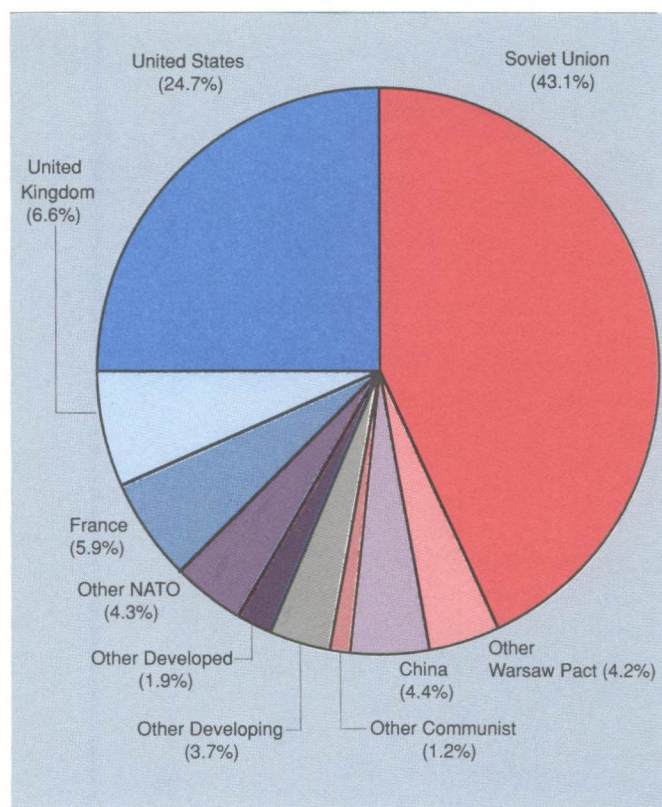
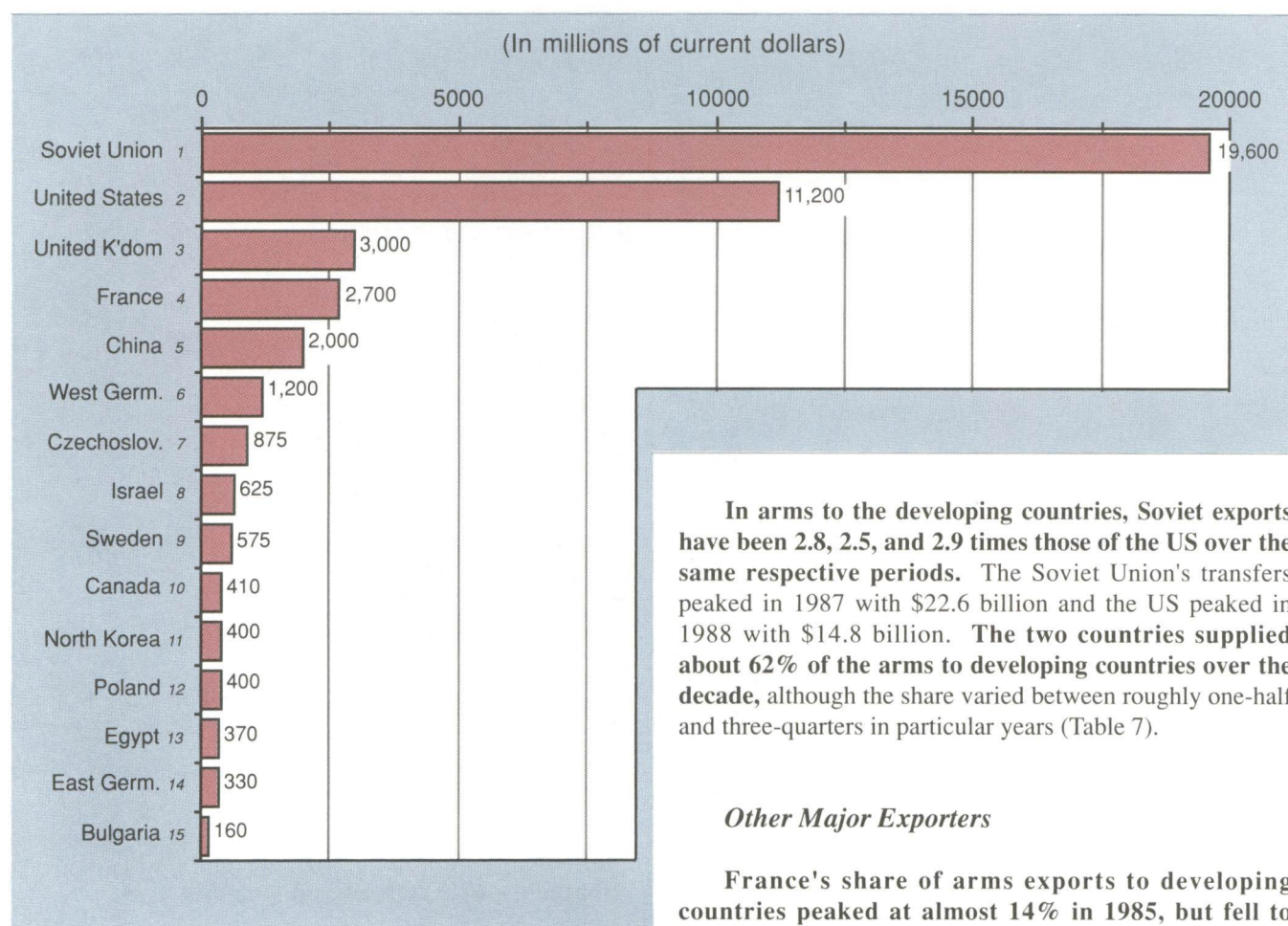


Table 6
Share of World Arms Exports (in percent)

	Soviet Union	United States	SU & US	Other Developed	Developing
1989	43.1%	24.7%	67.8%	22.5%	9.7%
1988	40.6	27.8	68.4	20.5	11.1
1987	38.8	24.5	63.3	26.8	9.9
1986	42.0	18.1	60.1	32.0	7.9
1985	35.1	22.8	57.9	32.9	9.1
1984	35.6	19.4	55.0	31.0	13.9
1983	38.8	23.2	62.0	29.2	8.9
1982	38.5	19.0	57.5	29.6	12.9
1981	40.2	19.3	59.5	33.2	7.3
1980	47.4	18.1	65.6	30.0	4.4
1979	52.2	18.6	70.8	25.0	4.2

Soviet arms exports to the world have been 1.9 times as large as those of the United States over the full decade, 1.7 times over the last half-decade, and 1.8 times in 1989 (Main Tables III and IV).

Figure 14
Leading Arms Exporters, 1989



In arms to the developing countries, Soviet exports have been 2.8, 2.5, and 2.9 times those of the US over the same respective periods. The Soviet Union's transfers peaked in 1987 with \$22.6 billion and the US peaked in 1988 with \$14.8 billion. The two countries supplied about 62% of the arms to developing countries over the decade, although the share varied between roughly one-half and three-quarters in particular years (Table 7).

Other Major Exporters

France's share of arms exports to developing countries peaked at almost 14% in 1985, but fell to roughly half that amount in 1989. The largest declines were in exports to the Middle East and South Asia (Main Table IV).

The United Kingdom has become the fourth largest arms exporter to developing countries, with 7% in 1989. The United Kingdom's exports to developing countries fluctuated throughout the 1980's, surging briefly in the early part of the decade as well as in the second half, when exports peaked at 8.6%. In 1985-1989, the United Kingdom supplied Saudi Arabia with \$7.7 billion in arms (Main Table III), more than half its total exports to the world during the same period.

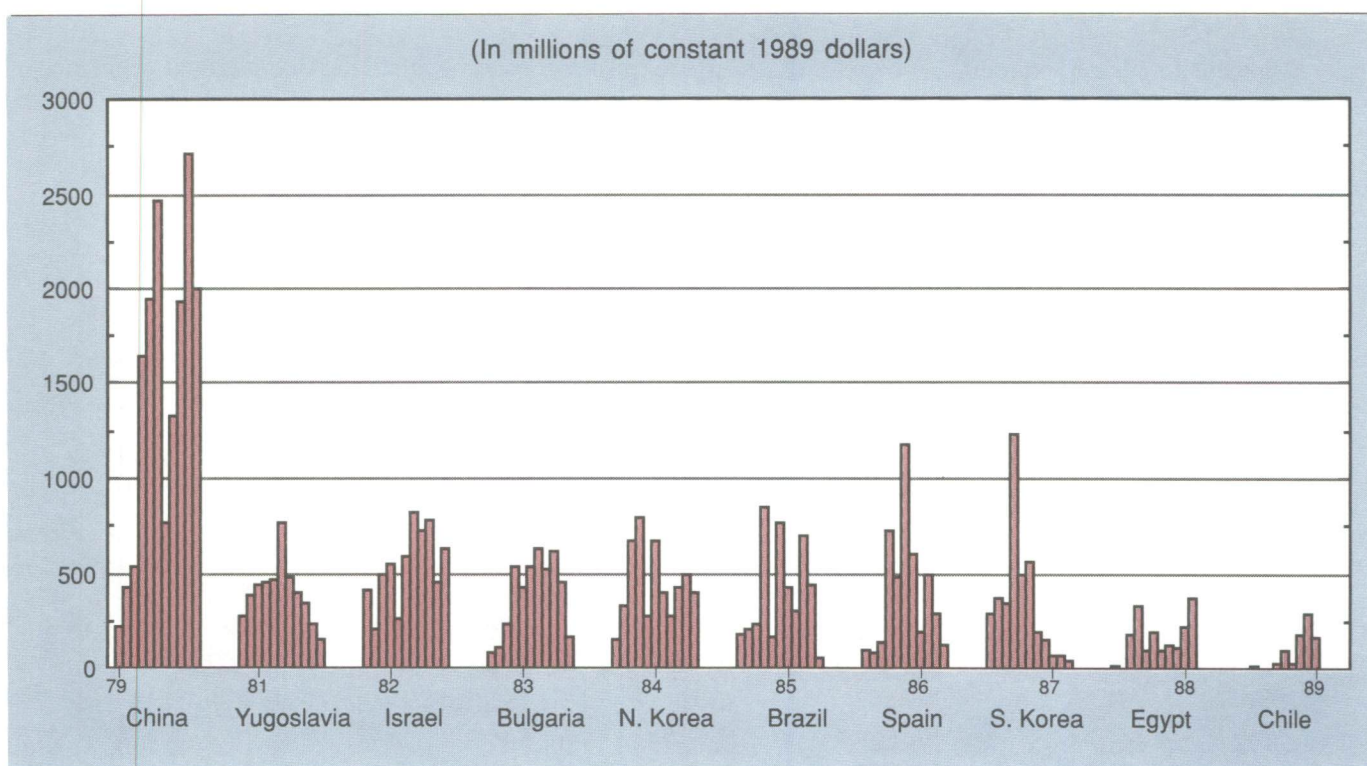
Other exporters, besides the main four, supplied a decade high of 30% of the arms to developing countries in 1984, but dropped to 11% in 1989. This is in large part a reflection of the influx of suppliers during the Iran-Iraq war.

Other major arms exporters in 1985-1989 were China, which supplied 3% of total world exports (of

Table 7
Share of Total Arms Exports to Developing Countries (in percent)

	Soviet Union	United States	SU & US	France	United K'dom	Other
1979-89	45.6%	16.1%	61.7%	9.1%	5.2%	20.5%
1989	51.3	18.0	69.3	7.2	7.0	11.0
1988	49.2	20.5	69.7	4.5	1.8	17.4
1987	43.3	21.0	64.4	5.8	8.6	17.4
1986	46.3	13.4	59.7	11.6	7.6	17.9
1985	39.8	16.9	56.6	13.8	2.8	24.9
1984	39.6	12.8	52.4	9.8	3.3	29.6
1983	44.1	17.6	61.7	9.9	3.3	20.9
1982	41.2	14.6	55.8	9.8	6.8	24.4
1981	43.1	12.9	56.0	12.0	6.9	24.0
1980	52.0	12.9	64.9	9.7	6.1	18.3
1979	58.4	15.0	73.4	6.0	3.4	16.9

Figure 15
Developing Country Arms Exports by Country and Year, 1979-1989



which almost 100% went to developing countries) and West Germany, which supplied 2%. The Middle East was the major destination for Chinese arms, while NATO and Other Europe were the major recipients of West German arms.

In 1989, the top six exporters (the Soviet Union, United States, United Kingdom, France, China, and West Germany) each delivered more than \$1 billion in arms (Figure 14). This compares with a total of eight in 1985 (Main Table II).

Developing Country Exporters

Over the period 1985-1989, the 20 largest arms exporters included six developing countries: China, Israel, North Korea, Brazil, Spain, and Yugoslavia. In 1989, eight developing countries were among the top 20 exporters: China, Israel, North Korea, Egypt, Bulgaria, Chile, Yugoslavia, and Spain.

China dominates the market for developing country arms exporters. In 1989, China accounted for 45% of the group's exports with \$20 billion, a decrease of 26% over the previous year.

Developing country exporters showed their largest expansion during the mid-1980's, corresponding to the period of burgeoning arms purchases by Iran and Iraq (Figure 15).

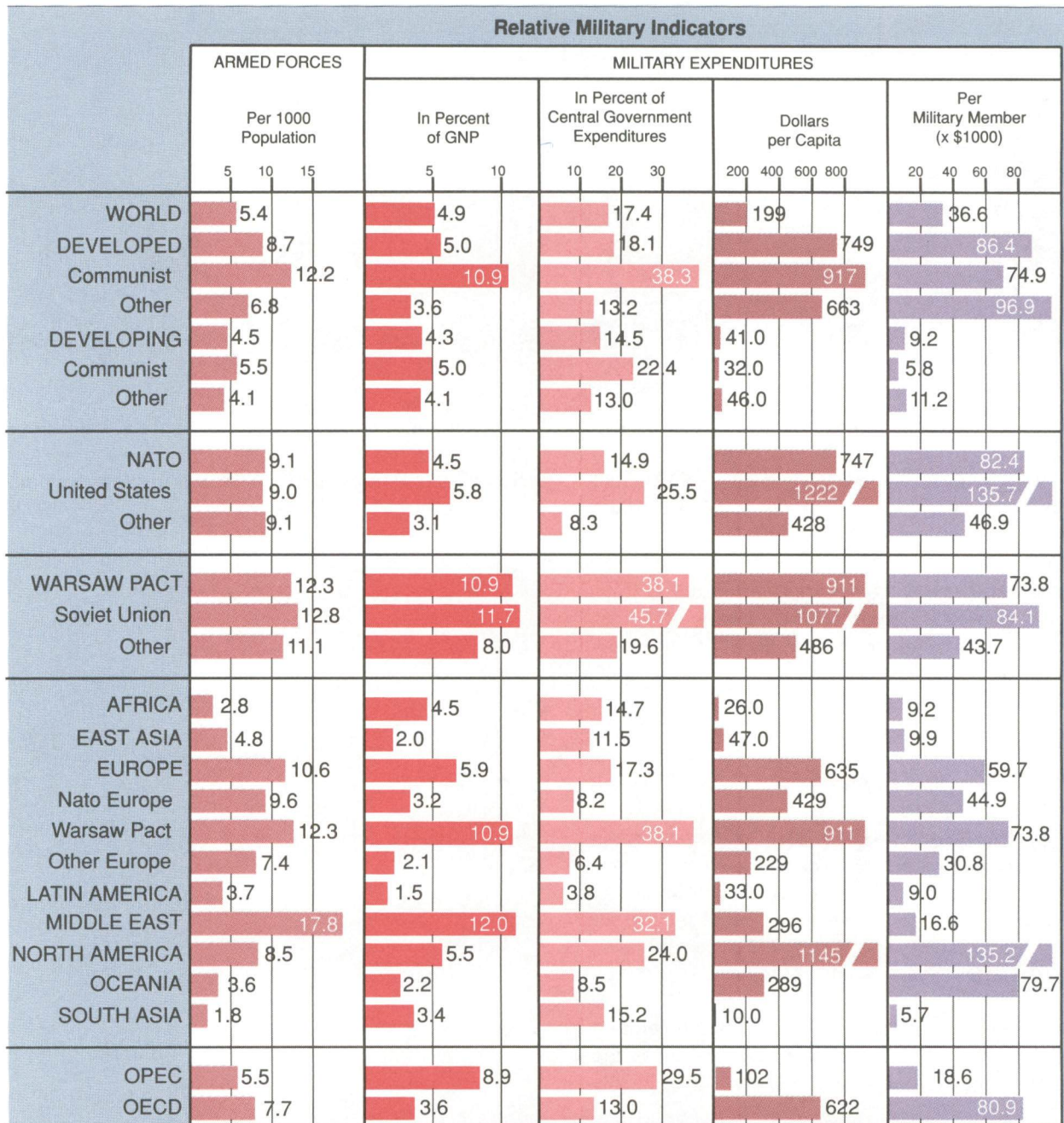
Military Burden and Other Relative Indicators

Relative Burden

In addition to military expenditures, armed forces, and arms transfers, which serve as absolute measures of military effort, it is useful at times to compare these measures to other variables to obtain relative indicators of military effort. One such indicator, the force ratio, or the ratio of

armed forces to population, is highlighted above under Armed Forces (see also Figure 16, first column). Another commonly used relative measure is the burden ratio, or the ratio of military expenditures to gross national product (ME/GNP; Figure 16, column two).

Figure 16
Relative Indicators - 1989 (all value figures in constant 1989 dollars)

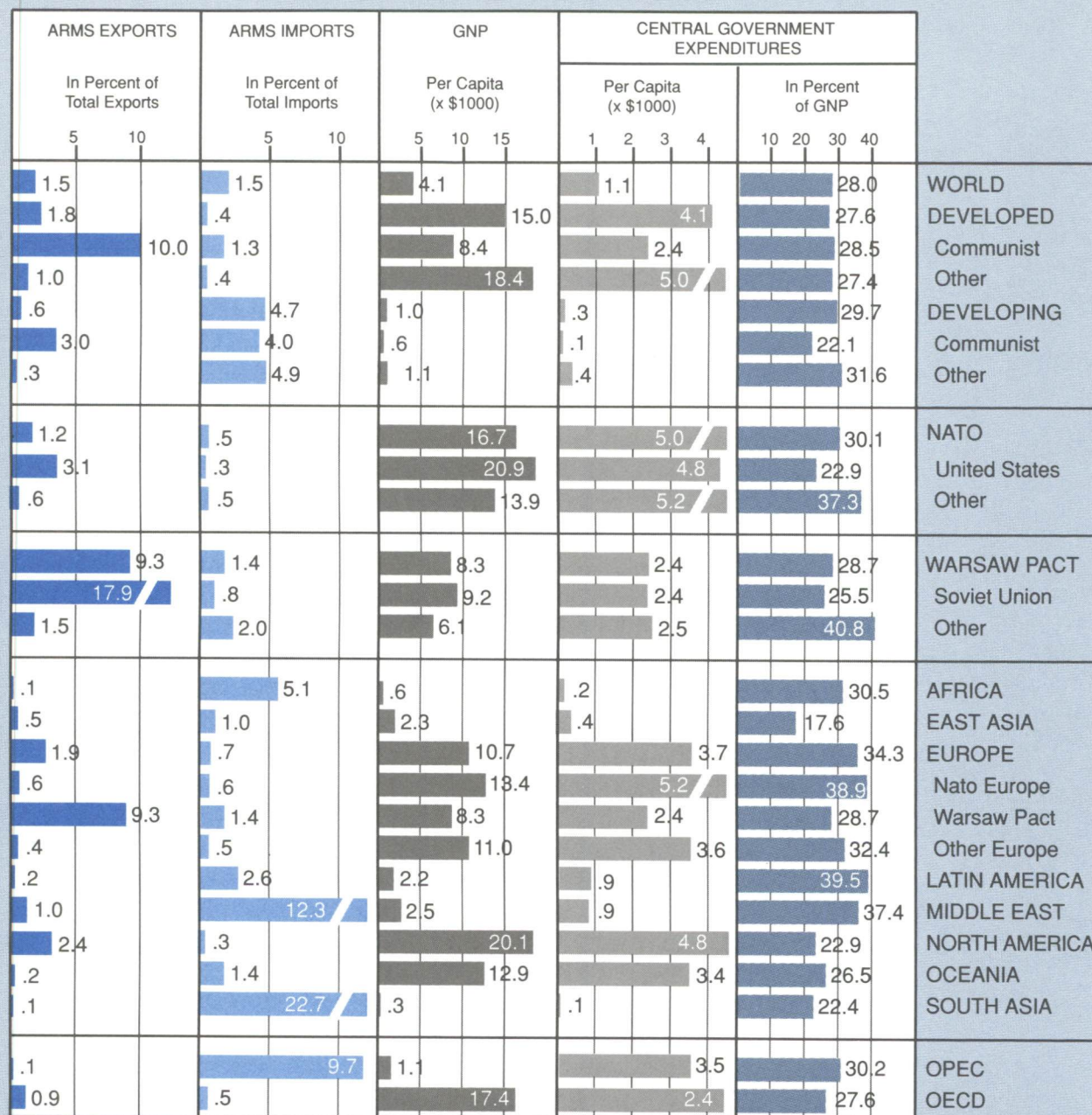


Average Relative Indicators

The basic economic variables (population, GNP, central government expenditures (CGE), and total trade) contained in the Main Statistical Tables together with the military variables (military expenditures (ME), armed forces, and arms trade) make it possible to calculate a variety of useful ratios or relative indicators. Ten such average indicators for 1989 are presented in Figure 15, to facilitate both inter-group comparisons for a given indicator and an overview of all the indicators for a given group. Besides the usual groupings, communist, non-communist, non-U.S., and non-Soviet subgroupings are also shown.

The average indicators in Figure 15 are calculated as the ratio of variables summed over a group, which makes them equivalent to the weighted average of individual country ratios, with the denominator variable being the weighting factor. Consequently, the shift from 1988 to 1989 exchange rates is likely to result in changes in the relative weights of countries and may also cause changes in some group indicator levels from those shown in *WMEAT 1989*. See Statistical Notes, Conversion . . . to Dollars, for a discussion of the impacts of the shift in the exchange rate.

Relative Arms Trade and Economic Indicators



The ME/GNP Ratio

In 1989, the burden ratio for the world fell to 4.9%, a new decade low and a 14% drop from the peak 1983 level of 5.7%. While the 1989 drop reflects declining burden ratios in both developed and developing countries, (a trend which has persisted throughout the last third of the decade), the developing country burden ratio has been below that of the developed countries and the world since 1986. Prior to this time, it had been higher than both.

The ME/GNP ratio for developing countries has dropped rapidly from a decade high of 6.2% in 1983 to a decade low of 4.3% in 1989 (Main Table I). This decline is mainly attributable to declining burden ratios in the Middle East, where the military burden on the economies of

the region fell 30% from a decade high in 1983 of 17.2%, to a record low in 1989 of 12%. Despite such declines, the region nonetheless continues to have the highest burden ratio in the world, although in 1989 it was only slightly higher than that of the Warsaw Pact (10.9%).

The burden ratios of Egypt, Israel and Jordan fell in 1989, marking new decade lows for these countries. In 1989, Egypt's burden ratio fell 42% to 5%, a level that is less than one-third the 1982 peak level of 15.2%. Except for a brief period from 1982-1984, the Israeli burden ratio declined steadily throughout the decade, totalling 12.8% in 1989, a 56% drop since 1979. Similarly, Jordan's ratio has fallen from 29.6% to 12.7%, a decline of 57% over the decade.

Figure 17
Relative Burden of Military Expenditures — 1989

ME/GNP* (%)	GNP PER CAPITA (1989 dollars)					
	Under \$200	\$200-499	\$500-999	\$1,000-2,999	\$3,000-9,999	\$10,000 and over
10% and over	Ethiopia Cambodia+		Yemen (Aden)+ Angola+ Lebanon+	Iraq+ North Korea Jordan Syria	Oman Saudi Arabia Libya Bulgaria Soviet Union	Qatar+ Israel
5-9.99%	Laos+ Mozambique	Vietnam+ Nicaragua+ Afghanistan+ Pakistan	Yemen (Sanaa) Zimbabwe Cape Verde+ Morocco	Mongolia+ Algeria Egypt	Poland East Germany Czechoslovakia Bahrain Hungary Romania Greece Taiwan	Kuwait United States Un. Arab Emir. Singapore
2-4.99%	Tanzania Guinea-Bissau+ Burundi Malawi	Liberia Burma Togo Sri Lanka Chad+ India Equat. Guinea+ Guyana Kenya Zaire+ Lesotho+ Burkina Faso+ Mali	Bolivia Mauritania Congo+ China Honduras Philippines Sudan Senegal	Gabon South Africa Albania Turkey El Salvador Yugoslavia Argentina Panama Chile Iran+ Malaysia Tunisia Botswana Thailand Fiji Colombia Uruguay+	South Korea Cuba Portugal Suriname Spain	United Kingdom France Norway Netherlands West Germany Sweden Belgium Italy Australia Denmark New Zealand Switzerland Canada
1-1.99%	Bangladesh Somalia+ Nepal	Benin Haiti Rwanda+ Indonesia Cen. Afr. Rep. Uganda+ Madagascar Niger Guinea+	Ecuador Swaziland Guatemala Ivory Coast Papua N. Guinea Paraguay Zambia+	Trinidad & Tobago Peru+ Cameroon Jamaica	Ireland Brazil+ Malta	Finland Austria Japan
Under 1%	Sierra Leone+	The Gambia Ghana Nigeria Sao Tome & Prin.+	Dominican Rep.	Venezuela Mexico Costa Rica Mauritius	Cyprus Barbados	Luxembourg Iceland

* Countries are listed within blocks in descending order of ME/GNP.

+ Ranking is based on a rough approximation of one or more variables for which 1989 data or reliable estimates are not available.

The ME/GNP ratio for the developed countries fell to 5% in 1989, a nearly 11% drop since 1982-1986 when the ratio remained steady at 5.6% (Main Table I). The Warsaw Pact continued to have the highest ME/GNP burden of the developed regions, 10.9% in 1989, although this represents a drop of 10% since 1985. Nearly every member country has experienced declining burden ratios, and in 1989 Bulgaria (which has had the highest burden ratios of any Warsaw Pact country), Czechoslovakia, Hungary and the Soviet Union all hit their lowest levels of the decade.

The North American burden ratio, which is half the size of the Warsaw Pact's, fell slightly in 1989 to a pre-1982 level of 5.5%. NATO Europe, on the other hand, which has a burden of roughly two-thirds the size of North America's, has had a falling burden ratio since 1983 and reached the lowest ratio of the decade in 1989, 3.2%.

Communist countries have been reducing their share of GNP devoted to military spending, although the burden ratio for developed communist countries continues to be much larger than that of developing communist countries. The burden ratios of each group decreased in 1989, resulting in decade low ME/GNP ratios of 10.9% and 5% for developed and developing communist countries, respectively.

Even by WMEAT's conservative estimates, **the Soviet Union continues to have a high burden ratio** (see the Statistical Notes) **and allocates a much larger share of GNP to military spending than the US**. Throughout almost the entire decade, the Soviet burden ratio has been close to 13%, with the first significant decline occurring in 1989, when the ratio fell to 11.7%. Compared to the US, whose burden ratio was 5.8% in 1989, the Soviet burden has generally been twice as large, although at the beginning of the decade it was closer to two and one half times as large.

In general, the Warsaw Pact countries have maintained considerably higher levels of ME/GNP burdens relative to their NATO counterparts. Excluding the Soviet Union and the US, the other Warsaw Pact countries had a ME/GNP ratio of 8% in 1989, compared to 3.1% for the other NATO countries.

As noted in previous editions, **a country's military burden ratio has little relation to its income level or stage of development**. (See Figure 17 for the distribution of countries by burden ratio and per capita GNP.) Involvement in civil or external war, military threats by neighbors, or overemphasis on military power are probably more relevant.

In Figure 17, the central burden category of 2-4.99% ME/GNP in 1989 contains 60 countries, compared to 58 in 1988 (shown in WMEAT 1989). There has clearly been an overall shift of countries into lower ratio categories in 1989. Two fewer countries recorded ME/GNP ratios of over ten percent and while the number of countries with ratios under one percent remained steady at 14, the two categories containing countries with a ME/GNP ratio of between 1-1.99% and 2-4.99%, each increased by two.

Of the 16 countries estimated to have ME/GNP ratios exceeding 10% in 1989, nine were from the Middle East, and all but one, Lebanon, held such a position in 1988. Three African, two East Asian, and two Warsaw Pact countries are the remaining ones in this category.

The ME/CGE Ratio

The percentage of central government expenditures spent on defense (ME/CGE) is another useful measure of military effort (Figure 16). In 1989, the ME/CGE ratio for the world hit its lowest level of the decade, 17.4%, as did those of the developed (18.1%) and developing (14.5%) countries. **While the ME/CGE ratios for the world and developed countries have remained relatively stable over the decade, there has been a noticeable decline in the burden ratio for the developing countries**, where military spending as a percentage of central government spending in 1979 was as high as 20%.

The highest ME/CGE ratios in 1989 were in the Warsaw Pact (38%), the Middle East (32%), and North America (24%). Within the Warsaw Pact, the Soviet Union (45.7%) and Bulgaria (29.7%) had the highest ME/CGE ratio; in the Middle East, Syria (69.8%), Oman (41.4%), the United Arab Emirates (40.7%), Saudi Arabia (38.5%) and Jordan (32.7%) were the largest; and in North America, the US (25.5%) accounted for nearly the entire ME/CGE burden. Of all countries in 1989, Afghanistan may have had the highest ME/CGE ratio, although it is only very roughly estimated.

The Soviet ME/CGE ratio is more than one and three-quarters times as large as that of the US, a disparity which is mirrored in a comparison of the ratios of other Warsaw Pact (19.6%) and other NATO (8.3%) countries.

Overall, **communist military expenditures allocated from the central government budget appear to be declining**. The developed communist countries' ME/CGE ratio dropped from its peak level of 44.2% in 1979 to 38.3% in 1989, while the developing communist countries' ratio declined from a decade high of 32.7% in 1979 to 22.4% in 1989.

ME per Capita and the ME/AF Ratio

The huge gap between developed and developing countries' military expenditures (ME) per capita continues to widen. Despite declines in the ME per capita ratio in 1988-1989 for developed countries and since 1983 for developing countries, the ME per capita of developed countries rose from being 13.4 times greater than that of developing countries in 1979 to 18.3 times greater in 1989. In addition, **average military expenditures per armed forces member (ME/AF)** in 1989 were more than nine times higher for developed countries than for developing, 86.4% and 9.2%, respectively.

US military spending, measured in dollars per capita and per member of the armed services, exceeded Soviet spending in 1989. In fact, since 1983 the US has consistently maintained a higher ME per capita ratio than the Soviet Union. The US continues to outspend the Soviet Union in terms of ME/AF, as it has throughout the entire decade. In 1979, the US ME/AF ratio was roughly one-third larger than that of the Soviet Union; by 1989, it was more than 60% larger.

The Warsaw Pact has outspent NATO in per capita military spending since 1979, when the Warsaw Pact's ME per capita ratio exceeded that of NATO by 50%. Such a disparity, however, has since diminished somewhat and in 1989 Warsaw Pact ME per capita exceeded those of NATO by roughly 22%. NATO spending per soldier, while roughly equal to that of the Warsaw Pact in 1979, grew steadily and in 1989 was nearly 12% greater than that of the Warsaw Pact.

Arms Trade/Total Trade

The role the arms trade plays in world trade continues to diminish. In 1989, the arms trade hit its lowest level of the decade, accounting for only 1.5% of total world trade, down from approximately 1.9% in 1979 and a 2.8% peak in 1984.

Developed countries continue to have lower ratios of arms imports to total imports (AI/TI) and higher ratios of arms exports to total exports (AE/TE) than developing countries. The AI/TI ratio for developing countries fell to its lowest level in 1989, 4.7%, which is nearly 12 times as large as the developed country ratio; in 1979, the AI/TI ratio was close to 17 times as large. Such a disparity is much less pronounced in the AE/TE ratio. The developed country AE/TE ratio has been declining since peaking in 1983 at 3.4%, and in 1989 fell to 1.8%. Over the decade 1979-1989, the developed country AE/TE ratio was approximately three times as large as that of the developing countries (excluding the first three years of the period, when the AE/TE ratio was as much as eight times as large).

Arms imports as a percent of total imports remain especially high for the Middle East, South Asia, and OPEC. **The Soviet Union has the highest AE/TE ratio—17.9%** in 1989—despite being considerably lower than the 1979 peak of 25.6% (Main Table II). This ratio is also high in groupings of which the Soviet Union is a member (9.9% for developed communist countries and 9.3% for Warsaw Pact countries).

Other Indicators

GNP per capita in 1989 rose slightly for the world as well as for the developed and developing countries, continuing an upward trend that began in the early 1980s. Despite such steady growth, GNP per capita for the developed countries is significantly larger than that of the developing countries (Main Table I).

The ratio of central government spending to GNP, under 30% for the world, developing countries, and developed countries, remained essentially unchanged from the previous year. This ratio ranged from a low of 17.6% for East Asia to a high of 39.5% for Latin America.

Brief

Big Five Initiative on Arms Transfer and Proliferation Restraints

In the aftermath of the Gulf War, concerns remained about the excessive buildup of military capabilities in the Middle East and the possible proliferation of nuclear, chemical, and biological weapons and the missiles to deliver them. As a result, on May 29, 1991, President Bush proposed an initiative among the five leading arms exporting countries into the region seeking effective guidelines of restraint. The five countries—China, France, the Soviet Union, the United Kingdom, and the United States—accounted for 78 percent of all arms transfers to the Middle East in 1985-1989 (Main Statistical Table III). They are also the permanent members of the United Nations Security Council and the world's only declared nuclear-weapon states.

In response to President Bush's initiative and proposals from President Mitterand, Prime Minister Major, and others, representatives of the "big five" have held two senior-level meetings: the first in Paris, July 8-9, 1991 and the second in London, October 17-18, 1991. At the latter meeting, the five agreed to a set of guidelines for restraint in their conventional arms transfers to all recipient countries. In order to acquaint WMEAT readers with the significant results achieved thus far in these on-going efforts, following are the texts of the closing communiques of the Paris and London meetings and a set of guidelines on conventional arms transfers agreed by the five at their London meeting.

Statement of the Five Countries—Paris, July 9, 1991

1. Representatives of the United States of America, the People's Republic of China, France, the United Kingdom, and the Union of Soviet Socialist Republics, met in Paris on the 8th and 9th of July to review issues related to conventional arms transfers and to the non-proliferation of weapons of mass destruction.

They noted with concern the dangers associated with the excessive buildup of military capabilities, and confirmed they would not transfer conventional weapons in circumstances which would undermine stability. They also noted the threats to peace and stability posed by the proliferation of nuclear weapons, chemical and biological weapons, and missiles, and undertook to seek effective measures of non-proliferation and arms control in a fair, reasonable, comprehensive and balanced manner on a global as well as on a regional basis.

2. They had a thorough and positive exchange of views on the basis of the arms control initiatives presented in particular by President Bush, President Mitterrand, Prime Minister Major and on other initiatives which address these problems globally and as a matter of urgency in the Middle East. They also agreed to support continued work in the

United Nations on an arms transfers register to be established under the aegis of the UN Secretary General, on a non-discriminatory basis, as a step towards increased transparency on arms transfers and in general in military matters.

They stressed that the ultimate response to the threat of proliferation is verifiable arms control and disarmament agreements amongst the parties concerned. They expressed strong support for full implementation of existing arms control regimes. For their part, they will contribute to this objective by developing and maintaining stringent national and, as far as possible, harmonized controls to ensure that weapons of mass destruction-related equipment and materials are transferred for permitted purposes only and are not diverted.

They also strongly supported the objective of establishing a weapons of mass destruction-free zone in the Middle East. They expressed their view that critical steps towards this goal include full implementation of UNSC [UN Security Council] resolution 687 and adoption by countries in the region of a comprehensive program of arms control for the region, including:

- a freeze and ultimate elimination of ground to ground missiles in the region;
- submission by all nations in the region of all of their nuclear activities to IAEA [International Atomic Energy Agency] safeguards;
- a ban on the importation and production of nuclear weapons usable materials;
- agreement by all states in the region to undertake to becoming parties to the CW [chemical weapons] Convention as soon as it is concluded in 1992.

3. They acknowledged that Article 51 of the UN Charter guarantees every state the right of self-defence. That right implies that states have also the right to acquire means with which to defend themselves. In this respect, the transfer of conventional weapons, conducted in a responsible manner, should contribute to the ability of states to meet their legitimate defence, security and national sovereignty requirements and to participate effectively in collective measures requested by the United Nations for the purpose of maintaining or restoring international peace and security.

They recognized that indiscriminate transfers of military weapons and technology contribute to regional instability. They are fully conscious of the special responsibilities that are incumbent upon them to ensure that such risks be avoided, and of the special role they have to play in promoting greater responsibility, confidence and

transparency in this field. They also recognize that a long term solution to this problem should be found in close consultation with recipient countries.

4. They expressed the intention that:

- when considering under their national control procedures conventional weapons transfers, they will observe rules of restraint. They will develop agreed guidelines on this basis;
- taking into account the special situation of the Middle East as a primary area of tension, they will develop modalities of consultation and of information exchanges concerning arms transfers to this region as a matter of priority;
- a group of experts will meet in September with a view to reaching agreement on this approach;
- another plenary meeting will be held in October in London;
- further meetings will be held periodically to review these issues.

5. They expressed the conviction that this process of continuing cooperation will contribute to a worldwide climate of vigilance in this field which other countries will share.

Communique of the Five Countries—London, October 18, 1991

1. In accordance with their agreement in Paris on 8 and 9 July 1991, representatives of the United States of America, the People's Republic of China, France, the United Kingdom of Great Britain and Northern Ireland, and the Union of Soviet Socialist Republics met in London on 17 and 18 October to take forward their discussion on issues related to conventional arms transfers and to the non-proliferation of weapons of mass destruction.

2. Recalling the statement which was issued in Paris on 9 July, they:

- agreed [on] common guidelines for the export of conventional weapons (annexed). They expressed the hope that other arms exporting countries will adopt similar guidelines of restraint;

- agreed to inform each other about transfers to the region of the Middle East, as a matter of priority, of tanks, armoured combat vehicles, artillery, military aircraft and helicopters, naval vessels, and certain missile systems, without prejudice to existing commitments to other governments;
- agreed to make arrangements to exchange information for the purpose of meaningful consultation, bearing in mind their shared concern to ensure the proper application of the agreed guidelines, and to continue discussions on how best to develop these arrangements on a global and regional basis in order to achieve this objective;
- welcomed work at the United Nations General Assembly on the early establishment of a UN register

of conventional arms transfers, and supported the current consultations on this issue between a wide range of UN members in which they are actively participating. They called for universal support for this work;

- noted the threats to peace and stability posed by the proliferation of nuclear weapons, chemical and biological weapons, missiles etc, and undertook to seek effective measures of non-proliferation and arms control in a fair, reasonable, comprehensive and balanced manner on a global as well as on a regional basis. They reaffirmed the importance of maintaining stringent and, so far as possible, harmonized guidelines for exports in this area. They embarked on a comparison of their national export controls on equipment related to

weapons of mass destruction and agreed to examine the scope for further harmonization of those controls. They agreed to pursue discussions at their next meeting on these subjects;

- agreed to continue discussing the possibilities for lowering tension and arms levels, including the development of further measures of restraint concerning arms transfers and ways of encouraging regional and global efforts towards arms control and disarmament;
- agreed to continue to give these efforts high priority and meet again in the next year in the United States to take forward their discussions, and to meet regularly thereafter at least once a year.

Guidelines for Conventional Arms Transfers

The People's Republic of China, the French Republic, the Union of Soviet Socialist Republics, the United Kingdom of Great Britain and Northern Ireland, and the United States of America,

- recalling and reaffirming the principles which they stated as a result of their meeting in Paris on 8 and 9 July 1991,
- mindful of the dangers to peace and stability posed by the transfer of conventional weapons beyond levels needed for defensive purposes,
- reaffirming the inherent right to individual or collective self-defense recognized in Article 51 of the Charter of the United Nations, which implies that states have the right to acquire means of legitimate self-defense,
- recalling that in accordance with the Charter of the United Nations, UN Member States have undertaken to promote the establishment and maintenance of international peace and security with the least diversion for armaments of the world's human and economic resources,
- seeking to ensure that arms transferred are not used in violations of the purposes and principles of the UN Charter,
- mindful of their special responsibilities for the maintenance of international peace and security,
- reaffirming their commitment to seek effective measures to promote peace, security, stability and arms

control on a global and regional basis in a fair, reasonable, comprehensive and balanced manner,

- noting the importance of encouraging international commerce for peaceful purposes,
- determined to adopt a serious, responsible and prudent attitude of restraint regarding arms transfers,

declare that, when considering under their national control procedures conventional arms transfers, they intend to observe rules of restraint, and to act in accordance with the following guidelines:

1. They will consider carefully whether proposed transfers will:

- a) promote the capabilities of the recipient to meet needs for legitimate self-defense;
- b) serve as an appropriate and proportionate response to the security and military threats confronting the recipient country;
- c) enhance the capability of the recipient to participate in regional or other collective arrangements or other measures consistent with the Charter of the United Nations or requested by the United Nations;

2. They will avoid transfers which would be likely to:

- a) prolong or aggravate an existing armed conflict;

- b) increase tension in a region or contribute to regional instability;
- c) introduce destabilising military capabilities in a region;
- d) contravene embargoes or other relevant internationally agreed restraints to which they are parties;
- e) be used other than for the legitimate defense and security needs of the recipient state;
- f) support or encourage international terrorism;
- g) be used to interfere with the internal affairs of sovereign states;
- h) seriously undermine the recipient state's economy.

Brief

Recent Steps Towards Transparency in Arms

There have been several significant developments recently in a subject close to the heart of this publication—that is, expansion of transparency and information disclosure on military spending, arms transfers, and other key military indicators. These developments include:

- Agreement on an annual exchange of current military budget information among the countries of Europe;
- Initiation by the United Nations General Assembly this fall of worldwide reporting on arms transfers;
- The beginning of consideration in the United Nations and the ongoing 39-nation Conference on Disarmament in Geneva of additional steps towards transparency in arms, including holdings and production.

Also, an earlier step toward transparency, the standardized reporting of military expenditures to the United Nations, has taken on a new vigor, as well as serving as the model for the newly instituted reporting of military budgets in Europe.

A short account of these developments is presented here. The new agreement on arms control in the Middle East by the five major arms exporters, which also addresses steps to enhance arms transfer openness and communication, is described in the previous Brief.

Military Budget Data Exchange in Europe

In November 1990, the members (then 34, now 38) of the Conference on Security and Cooperation in Europe (CSCE) reached agreement on a number of new Confidence- and Security-Building Measures (CSBM). The agreement was incorporated in the Vienna Document and later that year was endorsed in the Charter of Paris. Among the agreed measures was the exchange of each country's latest approved military budget, detailed in accordance with the standard format adopted by the United Nations in 1980 for reporting military expenditures.

The earlier United Nations reporting system calls for *actual*—that is, after the fact—expenditures, while the CSCE agreement calls for budgeted or *planned* expenditures. The latter, more indicative of future military activity

and thus more useful to confidence-building, are at the same time more subject to change in the course of the budget year.

An innovation in the new CSBM agreement is the provision for an annual implementation assessment meeting, at which member countries can discuss each other's performance with respect to the various measures, including the military budget exchange. The first such meeting was held in November 1991. For various reasons, such as the turmoil in the former Soviet Union, all member countries have not yet made their budget submission. Further discussion and possible changes in the system can be expected as it proceeds to full operation.

Arms Transfer Reporting

The Fall 1991 United Nations General Assembly adopted Resolution 46/36L entitled "Transparency in Armaments". Although the resolution involved extensive negotiations, the final vote was 150-0 (with China, Cuba, Iraq, and Syria not participating or abstaining). This broad-scope resolution calls on the UN Secretary General to establish an open United Nations Register on Conventional Arms, initially to include arms transfer data based on voluntary annual reporting by states. The transfers are to be reported as the number of items in the following major weapon categories imported into or exported from their territory:

- Battle tanks
- Armored combat vehicles
- Large caliber artillery systems
- Combat aircraft
- Attack helicopters
- Warships
- Missiles or missile systems.

The resolution also contains broad definitions of these categories and calls on the UN Secretary General to set up a panel of governmental technical experts to elaborate on the operating procedures for the Register. Reporting is to begin with submission of data for 1992 by April 1993. This panel is also to consider the further development of the Register, including additional categories of equipment as well as the possibility of adding other types of related data, as noted below.

Consideration of Additional Military Openness Issues

The "Transparency in Armaments" resolution opens the door to consideration of the regular reporting of other basic military indicators: "military holdings [of arms], procurement [of arms] through national production and relevant policies". The resolution invites states to provide the UN with available background information on these matters in their annual report on arms transfers, which the UN will make available to other states.

The panel of experts cited above is asked to prepare a report next year on expanding the scope of the Register to include data on military holdings and procurement through national production.

Resolution 46/36L also requests the 39-nation Conference on Disarmament to

address, as soon as possible, the question of the interrelated aspects of the excessive and destabilizing accumulation of arms, including military holdings and procurement through national production, and to elaborate universal and non-discriminatory practical means to increase openness and transparency in this field.

The Conference is further requested to

address the problems of openness and transparency related to the transfer of high technology with military applications and to weapons of mass destruction.

The resolution calls for the establishment of another expert panel in 1994 to consider the reports of states and the work of the Conference on Disarmament on the further development of the Register and to prepare a report on these matters to the General Assembly.

Status of Military Expenditure Reporting to the UN

The following table, showing the countries and years of standardized military expenditure reporting to the United Nations, shows a notable increase in the number of reporting countries in 1990 and 1991, particularly the former Warsaw Pact countries.

It is also evident that much room for improvement remains, as many countries, especially among the developing, have never reported. In addition, the fulsomeness of reporting can vary considerably among those who do report, inasmuch as reporting is on a voluntary basis. Nevertheless, when viewed in conjunction with the developments noted above, it may be fair to say that a new impetus in the movement toward greater openness in military matters is under way.

Participation in the Standardized Reporting of Military Expenditures to the United Nations

	1980†	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91*
NATO												
Belgium	x	x	x	x	x	x	x	x	x		x	
Canada	x	x	x	x	x	x		x	x	x	x	x
Denmark		x	x	x	x	x	x	x	x		x	x
France	x		x	x		x		x	x	x	x	
Germany, West	x	x	x	x	x	x	x	x	x	x	x	x
Greece								x	x	x	x	x
Italy	x	x	x	x	x		x		x	x	x	x
Luxembourg											x	x
Netherlands	x	x	x	x	x	x	x	x	x	x	x	x
Norway	x	x	x	x	x	x	x	x	x	x	x	x
Portugal				x	x	x	x		x	x	x	x
Spain							x	x	x	x		
Turkey		Δ	Δ	Δ	Δ	x	Δ	Δ	Δ	Δ		
United Kingdom			x	x	x	x	x	x	x	x	x	x
United States	x	x	x	x	x	x	x	x	x	x	x	
FORMER WARSAW PACT												
Bulgaria											x	x
Czechoslovakia												x
Germany, East											x	
Hungary											x	x
Poland											x	x
Romania						x	x	x	x			x
USSR												x
OTHER DEVELOPED												
Australia	x		x	x	x	x	x		x	x		x
Austria	x	Δ	Δ	x	x	x	x	x	x	x	x	x
Finland		x	x	x	x	x	x	x	x	x	x	x
Ireland			x	x	x			x	x			
Japan			x	x	x		x		x			x
New Zealand	x	x	x	x	x	x	x	x	x	x	x	x
Sweden	x	x	x	x	x	x	x	x	x	x		x
DEVELOPING												
Argentina						x	x	x	x	x	x	x
Barbados										x	x	x
Brazil												x
Chile					x	x	x		x			x
Colombia				x						x		x
Cyprus			Δ									
El Salvador								x				
Indonesia	x	x	x									
Israel									x	x	x	x
Ivory Coast			x									
Lebanon								x				
Malaysia								x			x	
Malta											x	x
Mexico	x	x	Δ									
Niger					Δ							
Panama								x				
Philippines									x			
Senegal			x									
Seychelles			Δ									
Sudan		x										
Suriname					x							
Thailand				x	x			x	x			x
Togo				Δ	x							

† Test of reporting system. x Report submitted. * Incomplete.
Δ Reported total only or with very limited detail.

Statistical Notes

These notes define the various country groupings and variables employed in the Statistical Tables, identify the sources of information, and explain the methods used in handling the data. A major aim is to alert the reader to the major qualifications applying to the data, much of which is not as accurate and reliable as uniform presentation in statistical tables may make it appear. This is particularly true of the data on military expenditures and arms transfers, which in many countries are subject to severe limitations of incompleteness, ambiguity, or total secrecy.

Coverage and Groups of Countries

The statistical tables report data for 144 countries, including most members of the United Nations as well as nonmembers Switzerland and Taiwan. UN members not covered are generally small and not considered militarily significant; relevant data for them are frequently unavailable.¹

Countries are grouped into normally defined *geographical regions* with the following exceptions: North America consists only of the United States and Canada; Mexico is included in Latin America together with Central and South American countries; Egypt is assigned to the Middle East rather than to Africa; and Oceania includes only Australia, New Zealand, Papua New Guinea, and Fiji. A full listing of specific countries in each region may be found in Main Statistical Table III.

The following political and economic groups are included: NATO, the Warsaw Pact, OPEC, and OECD. *NATO (North Atlantic Treaty Organization)* consists of Belgium, Canada, Denmark, France, West Germany, Greece, Iceland, Italy, Luxembourg, the Netherlands, Norway, Portugal, Turkey, the United Kingdom, and the United States. Spain joined in 1982, and its membership has since been affirmed, but because its participation is

limited and still evolving, Spain is not yet included. France also limits its military participation (since 1966), but is traditionally associated with NATO and is therefore included. The *Warsaw Pact* existed through 1989, the last year covered in this report, and consisted of Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, and the Soviet Union. *OPEC (Organization of Petroleum Exporting Countries)* includes Algeria, Ecuador, Gabon, Indonesia, Iran, Iraq, Kuwait, Libya, Nigeria, Qatar, Saudi Arabia, the United Arab Emirates, and Venezuela. *OECD (Organization for Economic Cooperation and Development)* comprises the NATO countries and Australia, Austria, Finland, Ireland, Japan, New Zealand, Spain, Sweden, and Switzerland.

The 28 countries classed as *developed* in this publication include: all members of NATO except Greece and Turkey; all Warsaw Pact members except Bulgaria; Austria, Finland, Ireland, Sweden, and Switzerland in Other Europe; and Australia, Japan, New Zealand, and South Africa. All other nations are classed as *developing*. For non-communist countries, assignment to one or the other category follows the practice employed by the Development Assistance Committee of the OECD. This assignment is based partly on gross national product (GNP) per capita, but also reflects factors such as literacy rates, mortality rates, and levels of industrialization.

The grouping of *communist* countries (as of 1989 and earlier) is used in Main Statistical Table IV and in the Highlights. This group includes the Warsaw Pact countries, Albania, Cambodia, Mainland China, Cuba, Laos, Mongolia, North Korea, Vietnam, and Yugoslavia. Together with Bulgaria of the Warsaw Pact, all of the above listed communist countries are considered to be developing.

Most of the data are for calendar years. For some countries, however, expenditure data are available only for fiscal years which diverge from calendar years. In such cases, the fiscal year which contains the most months of a

¹ The UN member countries not covered are Antigua and Barbuda, the Bahamas, Belize, Bhutan, Brunei, Comoros, Djibouti, Dominica, Grenada, Maldives, Montserrat, Namibia, Saint Christopher and Nevis, Saint Lucia, Saint Vincent and the Grenadines, Seychelles, Solomon Islands, Vanuatu, and Western Samoa. Also excluded are: nonmember countries Andorra, Kiribati, Liechtenstein, Monaco, Nauru, San Marino, Tonga, and Vatican City; the territory with unresolved sovereignty of Western Sahara; the dependencies and areas of special sovereignty of Bermuda, Hong Kong, Macau, Puerto Rico, and numerous others, many being very small islands in the Atlantic and Pacific Oceans.

given calendar year is assigned to that year; e.g., data for the fiscal year April 1977 through March 1978 would be shown under 1977. Fiscal years ending on June 30 are normally listed in the calendar year in which they end.

Sources and Definitions

Military Expenditures

For NATO countries, military expenditures are from NATO publications and are based on the NATO definition. In this definition, (a) civilian-type expenditures of the defense ministry are excluded and military-type expenditures of other ministries are included; (b) grant military assistance is included in the expenditures of the donor country; and (c) purchases of military equipment for credit are included at the time the debt is incurred, not at the time of payment.

For other non-communist countries, data are generally the expenditures of the ministry of defense. When these are known to include the costs of internal security, an attempt is made to remove these expenditures. In view of the discontinuance of such data collection by the Agency for International Development, a major source of data for these countries in the past, a number of other sources are consulted, including the *Government Finance Statistics Yearbook*, issued by the International Monetary Fund, the publications and files of other US government agencies, standardized reporting of countries to the United Nations, and other international sources.

It should be recognized by users of the statistical tables that the military expenditure data are of uneven accuracy and completeness. For example, there are indications or reasons to believe that the military expenditures reported by some countries consist mainly or entirely of recurring or operating expenditures and omit all or most capital expenditures, including arms purchases. In the case of several countries (Algeria, Chile, Cuba, Ecuador, Egypt, Honduras, Iraq, Iran, Libya, and Syria), special note of this possibility is made in Table I.

In some of these cases (as indicated in the footnotes of Table I), it is believed that a better estimate of total military expenditures is obtained by adding to nominal military expenditures the value of arms imports (as shown in Table II and converted to local currency by current exchange rates). It must be cautioned, however, that this method may over- or underestimate the actual expenditures in a given year due to the fact that payment for arms may not coincide in time with deliveries, which the data in Table II reflect. Also, in some cases arms acquisitions may be financed by, or consist of grants from, other countries.

In Statistical Table I, the symbol "E" denotes rough estimates such as those described above and others made on the basis of partial or uncertain data.

For countries that have major clandestine nuclear or other military weapons development programs, such as Iraq, estimation of military expenditures is extremely difficult and especially subject to errors of underestimation.

In subsequent editions of this report, we hope to be able to make further improvements in the quality of the military expenditure data presented for countries throughout the world. This will be difficult to achieve without better reporting by the countries themselves. As stated in a recent article examining the problems of accounting for such expenditures, "There is growing evidence that important amounts of security expenditures may not enter the accounts or the national budgets of many developing countries."² Among the common mechanisms used to obscure such expenditures, according to this article, are: double-bookkeeping, use of extra-budgetary accounts, highly aggregated budget categories, military assistance, and manipulation of foreign exchange.

Particular problems arise in estimating the military expenditures of communist countries due to the exceptional scarcity and ambiguity of released information. As in the past thirteen editions of this publication, data on the military expenditures of the Soviet Union are based on Central Intelligence Agency (CIA) estimates. For most of the series, these are estimates of what it would cost in the United States in dollars to develop, procure, staff and

² Nicole Ball, "Measuring Third World Security Expenditure: A Research Note," *World Development*, February 1984, pp. 157-164 (Pergamon Press, London).

³ See CIA, *Soviet and US Defense Activities, 1971-80: A Dollar Cost Comparison*, January 1981. The CIA dollar estimates as shown in this source have been updated and augmented by estimated retirement pay at US rates in order to improve comparability with expenditures by NATO countries, which include retirement pay.

⁴ This tendency is widely recognized in both government and nongovernment circles. For detailed commentaries by academic and government witnesses on this and other problems in estimating and comparing Soviet military expenditures, see the series of Hearings held before the Subcommittee on National Security Economics and the Subcommittee on Technology and National Security, Joint Economic Committee, Congress of the United States, *Allocation of Resources in the Soviet Union and China*. See also Hearing before the Subcommittee on Oversight of the Permanent Select Committee on Intelligence, Congress of the United States, "CIA Estimates of Soviet Defense Spending," Ninety-Sixth Congress, Second Session; Donald F. Burton, "Estimating Soviet Defense Spending," *Problems of Communism*, March-April 1983; and Richard F. Kaufman, "Causes of the Slowdown in Soviet Defense" (with comments by others), *Soviet Economy*, January-March 1985.

operate a military force similar to that of the Soviet Union.³ Estimates of this type—that is, those based entirely on one country's price pattern—generally overstate the relative size of the second country's expenditures in intercountry comparisons.⁴ Also, such estimates are not consistent with the methods used here for converting other countries' expenditures into dollars.⁵

Nevertheless, the basic CIA estimates are the best available for present purposes; in fact, there are no alternative estimates that can inspire confidence and have the capability to detect relatively small changes over time, such as the recent slowdown and decline in Soviet military spending that the CIA estimates have indicated.

Estimates for the most recent year are based on the change in the index of CIA-estimated military expenditures in ruble terms, as reported in the Joint Economic Committee of Congress series, *Allocation of Resources in the Soviet Union and China*, *op. cit.*

For Warsaw Pact countries other than the Soviet Union, the estimates of military expenditures are from Thad P. Alton *et al.*⁶ The military expenditures shown here refer only to the officially announced state budget expenditures on national defense. These figures understate total military expenditures in view of defense outlays by non-defense agencies of the central government, local governments, and economic enterprises. Possible subsidization of military procurement may also cause understatement. The dollar estimates were derived by calculating pay and allowances at the current full US average rates for officers and for lower ranks. After subtraction of pay and allowances, the remainder of the official defense budgets in national currencies was converted into dollars at overall rates based on comparisons of the various countries' GNPs expressed in dollars and in national currencies. The rates are based in part on the purchasing power parities estimated by the International Comparison Project of the United Nations, including their latest (Phase V) versions. These conversion rates are not as specific as might be desired and, when the

problems mentioned above are taken into account, the resulting estimates must be considered subject to limitations. Another omission in all Warsaw Pact data is that the nonpersonnel component of military assistance is not covered.

Data used here for China are based on US Government estimates of the yuan costs of Chinese forces, weapons, programs and activities.⁷ Costs in yuan are here converted to dollars using the same estimated conversion rate as used for GNP (see below). Due to the exceptional difficulties in both estimating yuan costs and converting them to dollars, comparisons of Chinese military spending with other data should be treated as having a wide margin of error.

Other sources used include the *Government Finance Statistics Yearbook* issued by the International Monetary Fund, the *SIPRI Yearbook: World Armaments and Disarmament* issued by the Stockholm International Peace Research Institute, *The Military Balance* issued by the International Institute for Strategic Studies, and *The World Factbook*, produced annually by the Central Intelligence Agency.

Gross National Product (GNP)

GNP represents the total output of goods and services produced by residents of a country and valued at market prices. The source of GNP data for most non-communist countries is the International Bank for Reconstruction and Development (World Bank).

For a number of countries whose GNP is dominated by oil exports (Bahrain, Kuwait, Libya, Oman, Qatar, Saudi Arabia, and the United Arab Emirates), the World Bank's estimate of deflated (or constant price) GNP in domestic currency tends to understate increases in the monetary value of oil exports, and thus of GNP, resulting from oil price increases. These World Bank estimates are designed to measure real (or physical) product. An alternative estimate of constant-price GNP was therefore obtained using the implicit price deflator⁸ for US GNP (for lack of a good national deflator). This was considered appropriate because a large share of the GNP of these countries is realized in US dollars.

⁵ An alternative series employing the same basic data but reflecting both the US and Soviet price patterns was provided in previous editions of this publication. See table captioned "Alternative Estimates of Soviet Military Expenditures," *World Military Expenditures and Arms Transfers, 1969-1978*, p.27; and the essay, "Soviet Military Expenditures," *World Military Expenditures and Arms Transfers, 1968-1977*, pp. 13-19.

⁶ The estimates are updates and substantial revisions of those in their article, "East European Military Expenditures, 1965-1978," (published in the Joint Economic Committee of Congress Compendium, *East European Economic Assessment*, Part 2, July 10, 1981, pp. 409-433) and particularly in their most recent Occasional Papers, Nos. 115-119 (published by the Research Project on National Income in East Central Europe).

⁷ Edward P. Parris, *Chinese Estimated Expenditures, 1967-83*, (Defense Intelligence Agency), November 1984. See also the series of Hearings before the Subcommittee on Priorities and Economy in Government of the Joint Economic Committee, US Congress, "Allocation of Resources in the Soviet Union and China."

⁸ The implicit price deflator is the ratio of GNP in current prices to GNP in constant prices.

GNP estimates of the Soviet Union are by the CIA, as published in its *Handbook of Economic Statistics 1990* and updated. GNP data for other Warsaw Pact countries are an updated and substantially revised version of estimates in "East European Military Expenditures, 1965-1978" by Thad P. Alton and others, *op cit*.

GNP data for China are based on World Bank estimates in yuan. These are in line with estimates of GDP in Western accounting terms made by Chinese authorities. Conversion to dollars is a highly uncertain matter, however. A survey of various recent estimates of yuan purchasing power parities reports a kind of benchmark estimate for an overall yuan/dollar purchasing power parity, which serves as the basis for the conversion rate employed here.⁹ This estimate is published in a Chinese source and is based on actual Chinese trade statistics. It serves as the basis for the yuan conversion rate employed since *WMEAT 1986*.

GNP estimates for a few non-communist countries are from the CIA's *Handbook of Economic Statistics* cited above. Estimates for the other communist countries are rough approximations.

Military-Expenditures-to-GNP Ratio

It should be noted that the meaning of the ratio of military expenditures to GNP, shown in Table I, differs somewhat between most communist countries and non-communist countries. For non-communist countries, both military expenditures and GNP are converted from the national currency unit to dollars at the same exchange rate; consequently, the ratio of military expenditures to GNP is the same in dollars as in the national currency and reflects national relative prices. For communist countries, however, military expenditures and GNP are converted differently. Soviet military expenditures, as already noted, are estimated in a way designed to show the cost of the Soviet armed forces in US prices, e.g., as if purchased in this country. On the other hand, the Soviet GNP estimates used here are designed to show average relative size when both US and

Soviet GNP are valued and compared at both dollar and ruble prices. The Soviet ratio of military expenditures to GNP in ruble terms, the preferred method of comparison, is estimated to have been 15 - 18 percent in recent years.

For Eastern European countries, the ratios of military expenditures to GNP in dollars are about twice the ratios that would obtain in domestic currencies. (See Alton and others, *op. cit.*) However, since official military budgets in these countries probably substantially understate their actual military expenditures, the larger ratios based on dollar estimates are believed to be the better approximations of the actual ratios.

Central Government Expenditures (CGE)

These expenditures include current and capital (developmental) expenditures plus net lending to government enterprises, by central (or federal) governments. A major source is the International Monetary Fund's *Government Finance Statistics Yearbook*. The category used here is "Total Expenditures and Lending minus Repayment, Consolidated Central Government."

Other sources for these data are the International Monetary Fund monthly, *International Financial Statistics*; OECD, *Economic Surveys*; and CIA, *The World Factbook* (annual). Data for Warsaw Pact countries are from national publications and are supplied by Thad P. Alton and others. For all Warsaw Pact countries and China, conversion to dollars is at the implicit rates used for calculating dollar estimates of GNP.

For all countries, with the same exceptions as noted above for the military-expenditures-to-GNP ratio, military expenditures and central government expenditures are converted to dollars at the same rate; the ratio of the two variables in dollars thus remains the same as in national currency.

It should be noted that for the Soviet Union, China, Iran, Jordan, and possibly others, the ratio of military expenditures to central government expenditures may be overstated, inasmuch as the estimate for military expenditures is obtained at least in part independently of nominal budget or government expenditure data, and it is possible that all estimated military expenditures do not pass through the nominal central government budget.

Population

Population estimates are for midyear and are made available to ACDA by the US Bureau of the Census.

⁹ Jeffrey Taylor, "China's Price Structure In International Perspective," Center for International Research Staff Paper No. 22, U.S. Bureau of the Census, June 1986. The new Chinese benchmark parity is said to be derived as the ratio of the sum of China's imports and exports in yuan at domestic prices to the sum of the same at world prices in dollars. The parity is calculated by the source for 1979 and 1980 and moved to 1981 to yield a parity of 2.23 yuan/dollar. This parity is here further moved to 1989 by the ratio of the implicit GNP deflator for China (per World Bank data) to the same for the United States (per U.S. Department of Commerce). It is then used to produce dollar values in the same manner as the 1989 exchange rate for other countries. (See below, Conversion of National Currencies to Dollars.)

Armed Forces

Armed forces refer to active-duty military personnel, including paramilitary forces if those forces resemble regular units in their organization, equipment, training, or mission. Reserve forces are not included unless specifically noted.

Figures for the United States and all other NATO countries are as reported by NATO.

Estimates of the number of personnel under arms for other countries are provided by US Government sources. The armed forces series for the Soviet Union includes all special forces judged to have national security missions (e.g., KGB border guards) and excludes uniformed forces primarily performing noncombatant services (construction, railroad, civil defense, and internal security troops).

Arms Transfers

Arms transfers (arms imports and exports) represent the international transfer (under terms of grant, credit, barter or cash) of military equipment, usually referred to as "conventional," including weapons of war, parts thereof, ammunition, support equipment, and other commodities designed for military use. Among the items included are tactical guided missiles and rockets, military aircraft, naval vessels, armored and nonarmored military vehicles, communications and electronic equipment, artillery, infantry weapons, small arms, ammunition, other ordnance, parachutes, and uniforms. Dual use equipment, which can have application in both military and civilian sectors, is included when its primary mission is identified as military. The building of defense production facilities and licensing fees paid as royalties for the production of military equipment are included when they are contained in military transfer agreements. There have been no international transfers of purely strategic weaponry. Excluded are foodstuffs, medical equipment, petroleum products and other supplies. Military services such as construction, training, and technical support are not included for the United States, whose services consist mainly of construction (primarily for Saudi Arabia).¹⁰ Data on military services of other countries, which are normally of a much smaller magnitude, are included when available.

The statistics contained in Tables I and II are estimates of the value of goods actually delivered during the reference year, in contrast both to the value of programs, agreements, contracts, or orders which may result in future deliveries, and to payments made during the period. However, data on arms transfer agreements are presented in Table IV. Both deliveries and agreements data represent arms transfers to

governments and do not include the value of arms obtained by subnational groups.

Figures for US arms exports are for fiscal years and are obtained from official data on arms transfers compiled by the US Departments of Defense and State. They include commercial deliveries of items on the US Munitions Control List, some of which may be intended for civilian rather than military use. Data on US arms export agreements shown here in Table IV have the same coverage (materiel) as deliveries data and, therefore, exclude an estimate of agreements for services. Commercial agreements are here taken to equal deliveries, since agreements data as such are

¹⁰ US Foreign Military Sales deliveries of military construction and other services to various recipient groups in recent (fiscal) years, in billions of current dollars, were as follows:

	<u>Construction</u>	<u>Other Services</u>	<u>Total</u>
WORLD			
1985	0.92	2.73	3.65
1986	0.57	2.91	3.48
1987	0.27	2.74	3.01
1988	0.41	2.50	2.91
1989	0.39	2.20	2.59
DEVELOPED			
1985	negl.	0.52	0.52
1986	negl.	0.45	0.45
1987	----	0.57	0.57
1988	----	0.64	0.64
1989	negl.	0.56	0.56
DEVELOPING			
1985	0.92	2.21	3.13
1986	0.57	2.46	3.03
1987	0.27	2.17	2.44
1988	0.41	1.86	2.27
1989	0.39	1.64	2.03
Of Which:			
	— Saudi Arabia		
1985	0.90	1.64	2.54
1986	0.55	1.82	2.37
1987	0.24	1.45	1.69
1988	0.36	1.07	1.43
1989	0.35	0.80	1.15
	— Other Developing		
1985	0.02	0.57	0.59
1986	0.03	0.64	0.67
1987	0.03	0.72	0.75
1988	0.05	0.79	0.84
1989	0.04	0.84	0.88

Source: Defense Security Assistance Agency, *Foreign Military Sales, Foreign Military Construction Sales and Military Assistance Facts As of September 30, 1990*, Data Management Division, Comptroller, DSAA, (n.d.) and other data from that Agency.

not available and data on commercial licenses issued are not considered sufficiently indicative.

US arms import data in this edition are revised upward substantially from previous editions. The present series consists of data obtained from the Department of Commerce, Bureau of Economic Analysis (BEA), including (a) imports of military-type (formerly "special category") goods, as compiled by the Bureau of the Census, and (b) Department of Defense direct expenditures abroad for major equipment, as compiled from DOD data by BEA. The goods in (a) include: complete military aircraft, all types; engines and turbines for military aircraft; military trucks, armored vehicles, etc.; military (naval) ships and boats; tanks, artillery, missiles, guns, and ammunition; military apparel and footwear; and other military goods, equipment, and parts.

Data on countries other than the United States are estimates by US Government sources. Arms transfer data for the Soviet Union and other communist countries are approximations based on limited information.¹¹

This and the previous three editions employ estimates of Soviet arms transfers in value terms for the years 1977-1986 that have been revised upward substantially from earlier editions. The revisions generally do not affect underlying estimates of the number, type, or value of major military equipment deliveries, but rather the estimated dollar value of supporting materiel deliveries, particularly those to countries engaged in ongoing hostilities. The increases in the estimated annual value of Soviet arms transfers in those years were on the order of 40-50 percent.

It should be noted that the arms transfer estimates for the most recent year, and to a lesser extent for several preceding years, tend to be understated. This applies to both foreign and US arms exports. In the former case, information on transfers, which comes from a variety of sources, is sometimes acquired and processed with a considerable time lag. In the US case, commercial arms transfer licenses are now valid for two years rather than one, causing a delay in the reporting of deliveries made on them to statistical agencies. Data for the most recent two years in Main Statistical Tables II, III, and IV, therefore, can be expected to undergo some upward revision in succeeding issues.

Close comparisons between the estimated values shown for arms transfers and for GNP and military expenditures

are not warranted. Frequently, weapons prices do not reflect true production costs. Furthermore, much of the international arms trade involves offset or barter arrangements, multiyear loans, discounted prices, third-party payments, and partial debt forgiveness. Acquisition of armaments thus may not impose the burden on an economy, in the same or in other years, that is implied by the estimated equivalent US dollar value of the shipment. Therefore, the value of arms imports should be compared to other categories of data with care.

Total Imports and Exports

The values for imports and exports cover merchandise transactions. Those for non-communist countries come from *International Financial Statistics* published by the IMF. The Communist trade figures are from the CIA *Handbook of Economic Statistics*, 1989 edition.

Conversion of National Currencies to Dollars

All value data in the report are expressed in US dollars. For most countries, this requires the conversion into dollars of amounts expressed in national currencies at current (or "then-year") prices. Available methods for doing so are less than satisfactory in all respects. The approach adopted in this series of reports relies on market or par exchange rates. In this method, current-price national currency data for an entire series of years is converted to current U.S. dollars through the use of a single (base-year) exchange rate and two price indexes, one national and one U.S.

Basic Steps

The conversion approach used here consists essentially of three steps:

- a) Each country's data, expressed originally in the national currency and at current prices, are "deflated" or put into constant-price terms, usually by means of the country's implicit deflator for GNP as a whole. This GNP price index is used for other variables—military and central government expenditures—because more appropriate price indices for those sectors are not generally available. National currency data for all years are expressed in prices of the conversion base year (1989 in this issue).
- b) These data are then divided by the exchange rate for the base year between the national currency and the US dollar and thus converted into constant base-year (1989) dollars. Exchange rates are provided by the World Bank and are usually the annual average

¹¹ Soviet arms transfers and foreign trade data are taken from sources which present them directly in dollars; hence, particular caution should be used in comparing these statistics for arms transfers and foreign trade with other Soviet data.

par/market rate, (the "rf" rate as designated by the International Monetary Fund).

- c) Data in constant dollars are then expressed in current dollars by multiplying by the US implicit GNP deflator.

The calculation may be illustrated by an example, assuming the following data:

1975 national military expenditures, in national currency at current (1975) prices.....	4,600
1975 implicit GNP deflators (1989 = 100):	
National	55.5
US	77.7
1989 exchange rate, national currency units per dollar.....	15.92

Then, 1975 national military expenditures:

$$\begin{aligned}\text{In constant 1989 dollars} &= 4,600 \div .555 \div 15.92 = 520.6 \\ \text{In current (1975) dollars} &= 520.6 \times .777 = 404.5\end{aligned}$$

Advantages and Disadvantages

The use in this report of the same rate for converting all variables from national currencies to US dollars (with the exceptions noted below) means that the relationships among variables in national currency terms remain the same when those variables are expressed in dollars.

The conversion method used here has an advantage in that it takes into account national differences in the behavior of prices and, within each edition, avoids the distorting effect that can result from changes in exchange rates during the decade. It does not, however, allow for a number of other factors. One is that any within-country differences between the price indexes for military or central government expenditures and for GNP are not taken into account. For example, indexes for compensation of military personnel or prices of imported arms might behave differently from the overall index.

¹² These PPPs have been estimated by the United Nations International Comparisons Project, a cooperative undertaking of the United Nations, the World Bank and the University of Pennsylvania. See Irving Kravis, Alan Heston, and Robert Summers, *World Product and Income: International Comparisons of Real Gross Product*, published for the World Bank by the Johns Hopkins University Press, Baltimore and London, 1982.

¹³ A United Nations expert group has studied the feasibility of constructing purchasing power parities and price indices for military expenditures (A/40/421, 13 August 1985). However, practical prospects for the future availability of usable military PPPs are poor due to the lack of underlying national data, especially on military prices.

A more serious problem is that exchange rates in many cases do not adequately reflect the relative purchasing power of currencies. This has been demonstrated by a detailed study of purchasing power parities (PPPs) for the GNPs of a large number of countries.¹² This study found that the greater the disparity in the per capita income of countries, the greater the tendency for exchange rates to understate the value of the poorer country's product, and that the understatement can be very large, reaching as much as threefold in some cases. However, since this study did not estimate PPPs for military expenditures as such, it does not shed much light on how PPPs specific to military expenditures or arms purchases might differ from exchange rates or from either overall or other specific-sector PPPs.¹³

A disadvantage of the method used here in *WMEAT* is that the resulting conversion to current dollars for a given year can vary from edition to edition, despite the absence of any change in data for that year itself. The change is due solely to the rolling up of the exchange rate base year so as to make it more up-to-date, which usually means a change in the exchange rate used.

Such changes have been exceptionally large and frequent recently. This was due to two major factors: (1) the change from an appreciating and overvalued U.S. dollar until 1985, to a depreciating one and (2) the very high inflation rates and concomitantly large exchange-rate movements occurring in a number of developing countries, together with the tendency of the latter to undercompensate or overcompensate for relative price movements.

In *WMEAT 1987*, which used 1984 as the exchange rate base year, the dollar tended to be overvalued, especially with respect to many developed countries. As a consequence, the dollar value of these other countries' expenditures (or GNP) was understated. With the rapid depreciation of the dollar vis-a-vis these countries in 1986 and 1987, their expenditures in the 1987 dollar terms used in *WMEAT 1988* rose substantially relative to the U.S. amounts.

For a discussion of the extent of the changes and their impact on inter-country comparisons and group averages, see *WMEAT 1988*, pp. 135-136. The changes from the previous year in exchange rates were not as extensive in 1988 and 1989, except for the growing number of high inflation countries.

Exceptions

There are several exceptions to the general conversion procedures discussed above. Data on arms transfers in

value terms for all countries are obtained by this Agency already expressed in current dollars. (Original data in foreign currencies have generally been converted by the source at current exchange rates.) These current dollars are converted to constant 1989 dollars in the manner shown above. For the Soviet Union, GNP estimates in rubles are converted by the source into constant dollars at what is in effect an average US-and-Soviet-weighted PPP for GNP as a whole. This same conversion rate is also used for Soviet central government expenditures. Soviet military expenditures are in effect converted by the source at a military-sector PPP using only Soviet weights. (See also the discussion of Military Expenditures, above).

For other Warsaw Pact countries and China, the available estimates for GNP and military expenditures are also already in terms which accounted for domestic price changes and have been converted to constant dollars using estimated purchasing power parities, rather than official exchange rates.

It should be noted that in all cases the relationship between current and constant dollars in this report is determined entirely by the US GNP deflator index. To facilitate reconversion to other constant-dollar bases if desired, this index, rebased here to 1989=100, is as follows:

1979	62.21	1984	85.30
1980	67.87	1985	87.84
1981	74.39	1986	90.11
1982	79.17	1987	92.98
1983	82.23	1988	96.06

Growth Rates

The average annual rates of real growth shown in Tables 1 - 4 of the Highlights are based on data in constant 1988 dollars from Tables I and II. The rates are calculated by a least-squares fit to all years of the decade of the log form (to the base 10) of the following "compound interest" equation:

$$Y = A(1 + r/100)^T,$$

or

$$\text{Log} Y = \text{Log} A + \text{Log}(1 + r/100) \times T,$$

where Y is military expenditures (etc.) in a given year, A is the initial value for year 0, T is time in years, and r is the growth rate in percent. This formula was used in all cases to provide a consistent measure of change and is not necessarily the best fit for projection purposes.

Country Rankings: 1989

As a statistical aid, the following tables show 144 countries of the world listed in descending order of their value for each of 7 absolute variables and 10 relative variables (or ratios) in 1989. The variable values are taken or derived from Main Statistical Tables I and II, below.

Where 1989 data for particular countries are not available (NA), the ranks are based on very rough estimates. Many other data entries are also marked in Tables I and II as being estimated or otherwise qualified. These tables and the Statistical Notes should be consulted in interpreting these rankings.

The variables, their abbreviations, and their data units are as follows:

Military expenditures (ME).....	Millions of dollars
Armed forces (AF).....	Thousands
Arms imports (AI).....	Millions of dollars
Arms exports (AE).....	Millions of dollars
Gross national product (GNP).....	Millions of dollars
Central government expenditures (CGE).....	Millions of dollars
Population (POP).....	Millions
ME/GNP.....	Percent
ME/CGE.....	Percent
ME per capita (ME/POP).....	Dollars
ME per soldier (ME/AF).....	Dollars
Armed forces per 1,000 people (AF/POP).....	Soldiers
Arms imports / total imports (AI/TI).....	Percent
Arms exports / total exports (AE/TE).....	Percent
GNP per capita (GNP/POP).....	Dollars
CGE per capita (CGE/POP).....	Dollars
CGE/GNP.....	Percent

An "index" listing the countries alphabetically and showing each country's rank number for each variable may be found on the final pages of this set of tables. The symbol "+" indicates that the country's value for that variable is zero and the rank is actually a tie for last place.

NOTE: All monetary values are in 1989 dollars; for most countries, national currencies were converted at average annual 1989 exchange rates. As a result, country rankings shifted considerably from those reported several editions ago—for example, those for 1985 in *WMEAT 1987*, which employed exchange rates for the overvalued 1984 dollar. For a discussion of the impact of shifts in exchange rate base years, see *WMEAT 1988*, Statistical Notes, Conversion of National Currencies to Dollars.

Country Rank in 1989, by Variable

Military Expenditures (ME) (millions of dollars)

1	Soviet Union	311000	73	Tunisia	273
2	United States	304100	74	Lebanon	NA
3	France	35260	75	Mongolia	259
4	United Kingdom	34630	76	El Salvador	252
5	Germany, West	33600	77	Sri Lanka	223
6	Japan	28410	78	Yemen (Aden)	NA
7	China - Mainland	22330	79	Afghanistan	NA
8	Italy	20720	80	Zaire	NA
9	Iraq	NA	81	Kenya	210
10	Poland	15480	82	Bahrain	196
11	Saudi Arabia	14690	83	Bolivia	182
12	Germany, East	13970	84	Uruguay	NA
13	Canada	10840	85	Ecuador	163
14	Korea, South	9100	86	Albania	157
15	Czechoslovakia	8361	87	Honduras	150
16	India	8174	88	Cameroon	148
17	China - Taiwan	8060	89	Panama	141
18	Spain	7775	90	Gabon	140
19	Romania	6916	91	Guatemala	131
20	Netherlands	6399	92	Nigeria	130
21	Brazil	NA	93	Ivory Coast	130
22	Australia	6153	94	Tanzania	110
23	Korea, North	6000	95	Mozambique	107
24	Bulgaria	5885	96	Cambodia	NA
25	Israel	5745	97	Senegal	90
26	Sweden	4872	98	Nicaragua	NA
27	Hungary	4064	99	Congo	NA
28	Belgium	3881	100	Luxembourg	76
29	Switzerland	3806	101	Zambia	65
30	South Africa	3786	102	Laos	NA
31	Egypt	3499	103	Botswana	62
32	Libya	3309	104	Uganda	NA
33	Turkey	3150	105	Paraguay	61
34	Greece	3097	106	Trinidad & Tobago	59
35	Norway	2925	107	Liberia	58
36	Pakistan	2488	108	Burkina Faso	NA
37	Iran	NA	109	Dominican Rep.	52
38	Algeria	2313	110	Papua New Guinea	48
39	Syria	2234	111	Haiti	45
40	Denmark	2184	112	Togo	43
41	Yugoslavia	2126	113	Mali	41
42	Kuwait	1964	114	Cyprus	41
43	Argentina	1858	115	Mauritania	40
44	Thailand	1843	116	Suriname	39
45	Finland	1788	117	Rwanda	NA
46	Qatar	NA	118	Jamaica	36
47	Oman	1552	119	Madagascar	35
48	Indonesia	1510	120	Malawi	35
49	Singapore	1475	121	Nepal	33
50	Un. Arab Emirates	1471	122	Benin	33
51	Portugal	1457	123	Chad	NA
52	Austria	1402	124	Ghana	30
53	Vietnam	NA	125	Guinea	NA
54	Cuba	1377	126	Burundi	28
55	Morocco	1203	127	Niger	27
56	Malaysia	1039	128	Fiji	26
57	Philippines	960	129	Costa Rica	22
58	Mexico	875	130	Malta	22
59	New Zealand	847	131	Lesotho	NA
60	Chile	790	132	Central African Rep.	18
61	Ethiopia	763	133	Cape Verde	NA
62	Colombia	758	134	Somalia	NA
63	Angola	NA	135	Swaziland	11
64	Yemen (Sanaa)	618	136	Barbados	10
65	Burma	611	137	Guyana	6
66	Jordan	548	138	Sierra Leone	NA
67	Peru	NA	139	Mauritius	5
68	Ireland	449	140	Guinea-Bissau	NA
69	Venezuela	407	141	Equatorial Guinea	NA
70	Zimbabwe	386	142	Gambia, The	1
71	Sudan	339	143	Sao Tome & Principe	NA
72	Bangladesh	323	144	Iceland	0

Armed Forces (thousands)

1	China - Mainland	3903	73	Ecuador	46
2	Soviet Union	3700	74	El Salvador	45
3	United States	2241	75	Albania	43
4	India	1257	76	Guatemala	43
5	Korea, North	1040	77	Norway	43
6	Iraq	1000	78	Un. Arab Emirates	43
7	Vietnam	1000	79	Tanzania	40
8	Turkey	780	80	Tunisia	40
9	Korea, South	647	81	Finland	35
10	Iran	604	82	Nepal	35
11	France	554	83	Mongolia	33
12	Italy	533	84	Chad	33
13	Pakistan	520	85	Denmark	31
14	Germany, West	503	86	Bolivia	30
15	Egypt	450	87	Oman	29
16	Syria	400	88	Uruguay	27
17	China - Taiwan	379	89	Uganda	25
18	Poland	350	90	Dominican Rep.	21
19	Brazil	319	91	Madagascar	21
20	United Kingdom	318	92	Cameroon	21
21	Cuba	297	93	Kuwait	20
22	Indonesia	285	94	Kenya	20
23	Spain	277	95	Honduras	19
24	Thailand	273	96	Lebanon	18
25	Germany, East	262	97	Zambia	17
26	Ethiopia	250	98	Switzerland	17
27	Japan	247	99	Mauritania	16
28	Yugoslavia	225	100	Paraguay	16
29	Romania	207	101	Ghana	16
30	Greece	201	102	Guinea	15
31	Burma	200	103	Congo	15
32	Morocco	195	104	Senegal	15
33	Israel	191	105	Panama	14
34	Jordan	190	106	Cyprus	14
35	Czechoslovakia	175	107	Ireland	13
36	Mexico	154	108	New Zealand	12
37	Bulgaria	150	109	Burundi	11
38	Algeria	126	110	Guinea-Bissau	10
39	Belgium	110	111	Gabon	10
40	Peru	110	112	Haiti	9
41	Malaysia	110	113	Costa Rica	8
42	Hungary	109	114	Ivory Coast	8
43	Angola	107	115	Burkina Faso	8
44	Nigeria	107	116	Mali	8
45	Netherlands	106	117	Liberia	7
46	Philippines	106	118	Malawi	7
47	Portugal	104	119	Qatar	7
48	Bangladesh	103	120	Botswana	6
49	South Africa	100	121	Rwanda	6
50	Cambodia	99	122	Togo	6
51	Argentina	95	123	Central African Rep.	5
52	Chile	95	124	Bahrain	5
53	Colombia	91	125	Benin	5
54	Canada	88	126	Niger	4
55	Yemen (Aden)	88	127	Sierra Leone	4
56	Libya	86	128	Suriname	4
57	Saudi Arabia	82	129	Swaziland	4
58	Venezuela	75	130	Fiji	4
59	Nicaragua	74	131	Guyana	4
60	Australia	70	132	Papua New Guinea	3
61	Mozambique	65	133	Cape Verde	3
62	Sudan	65	134	Jamaica	3
63	Sweden	62	135	Trinidad & Tobago	2
64	Yemen (Sanaa)	62	136	Lesotho	2
65	Laos	56	137	Gambia, The	2
66	Singapore	56	138	Malta	2
67	Afghanistan	55	139	Equatorial Guinea	1
68	Zaire	51	140	Luxembourg	1
69	Zimbabwe	51	141	Mauritius	1
70	Austria	48	142	Sao Tome & Principe	1
71	Sri Lanka	47	143	Barbados	0
72	Somalia	47	144	Iceland	0

Country Rank in 1989, by Variable — continued

Arms Exports (millions of dollars)

1	Soviet Union	19600	73	Equatorial Guinea	0
2	United States	11200	74	Ethiopia	0
3	United Kingdom	3000	75	Fiji	0
4	France	2700	76	Finland	0
5	China - Mainland	2000	77	Gabon	0
6	Germany, West	1200	78	Gambia, The	0
7	Czechoslovakia	875	79	Ghana	0
8	Israel	625	80	Greece	0
9	Sweden	575	81	Guatemala	0
10	Canada	410	82	Guinea	0
11	Korea, North	400	83	Guinea-Bissau	0
12	Poland	400	84	Guyana	0
13	Egypt	370	85	Haiti	0
14	Germany, East	330	86	Honduras	0
15	Bulgaria	160	87	Iceland	0
16	Chile	160	88	India	0
17	Yugoslavia	150	89	Iran	0
18	Netherlands	140	90	Ireland	0
19	Spain	130	91	Ivory Coast	0
20	Japan	110	92	Jamaica	0
21	Australia	80	93	Kenya	0
22	Romania	70	94	Kuwait	0
23	Singapore	70	95	Laos	0
24	Argentina	60	96	Lebanon	0
25	Iraq	60	97	Lesotho	0
26	Italy	60	98	Liberia	0
27	Switzerland	60	99	Madagascar	0
28	Brazil	50	100	Malawi	0
29	Hungary	50	101	Malaysia	0
30	Austria	40	102	Malta	0
31	Korea, South	40	103	Mauritania	0
32	Libya	40	104	Mauritius	0
33	Portugal	40	105	Mongolia	0
34	Norway	30	106	Morocco	0
35	Belgium	20	107	Mozambique	0
36	Denmark	20	108	Nepal	0
37	Nigeria	20	109	New Zealand	0
38	Pakistan	20	110	Nicaragua	0
39	China - Taiwan	10	111	Niger	0
40	Indonesia	10	112	Oman	0
41	Mali	10	113	Panama	0
42	Mexico	10	114	Papua New Guinea	0
43	Cuba	5	115	Paraguay	0
44	Jordan	5	116	Peru	0
45	Luxembourg	5	117	Philippines	0
46	Saudi Arabia	5	118	Qatar	0
47	Un. Arab Emirates	5	119	Rwanda	0
48	Afghanistan	0	120	Sao Tome & Principe	0
49	Albania	0	121	Senegal	0
50	Algeria	0	122	Sierra Leone	0
51	Angola	0	123	Somalia	0
52	Bahrain	0	124	South Africa	0
53	Bangladesh	0	125	Sri Lanka	0
54	Barbados	0	126	Sudan	0
55	Benin	0	127	Suriname	0
56	Bolivia	0	128	Swaziland	0
57	Botswana	0	129	Syria	0
58	Burkina Faso	0	130	Tanzania	0
59	Burma	0	131	Thailand	0
60	Burundi	0	132	Togo	0
61	Cambodia	0	133	Trinidad & Tobago	0
62	Cameroon	0	134	Tunisia	0
63	Cape Verde	0	135	Turkey	0
64	Central African Rep.	0	136	Uganda	0
65	Chad	0	137	Uruguay	0
66	Colombia	0	138	Venezuela	0
67	Congo	0	139	Vietnam	0
68	Costa Rica	0	140	Yemen (Aden)	0
69	Cyprus	0	141	Yemen (Sanaa)	0
70	Dominican Rep.	0	142	Zaire	0
71	Ecuador	0	143	Zambia	0
72	El Salvador	0	144	Zimbabwe	0

Arms Imports (millions of dollars)

1	Saudi Arabia	4200	73	Cyprus	40
2	Afghanistan	3800	74	Morocco	40
3	India	3500	75	Papua New Guinea	40
4	Greece	2000	76	Tanzania	40
5	Iraq	1900	77	Ghana	30
6	United States	1600	78	Honduras	30
7	Japan	1400	79	Hungary	30
8	Iran	1300	80	Madagascar	30
9	Vietnam	1300	81	Somalia	30
10	Cuba	1200	82	Burma	20
11	Turkey	1100	83	Ecuador	20
12	Syria	1000	84	Finland	20
13	Libya	975	85	Gabon	20
14	Ethiopia	925	86	Mauritania	20
15	Soviet Union	900	87	Mexico	20
16	Germany, West	875	88	Romania	20
17	Un. Arab Emirates	850	89	Rwanda	20
18	Germany, East	825	90	Tunisia	20
19	Angola	750	91	Uganda	20
20	Spain	750	92	Uruguay	20
21	Israel	725	93	Bolivia	10
22	Australia	675	94	Botswana	10
23	United Kingdom	650	95	Burkina Faso	10
24	Poland	625	96	Burundi	10
25	Egypt	600	97	Chad	10
26	Algeria	575	98	Equatorial Guinea	10
27	Korea, North	525	99	Guatemala	10
28	Cambodia	490	100	Guinea	10
29	Kuwait	490	101	Guinea-Bissau	10
30	Netherlands	480	102	Kenya	10
31	Czechoslovakia	460	103	Lebanon	10
32	Pakistan	460	104	Luxembourg	10
33	China - Taiwan	430	105	Mali	10
34	Nicaragua	430	106	Sri Lanka	10
35	Yemen (Sanaa)	420	107	Zimbabwe	10
36	Korea, South	370	108	Cameroon	5
37	Norway	340	109	Cape Verde	5
38	Italy	300	110	Dominican Rep.	5
39	Switzerland	300	111	Ireland	5
40	Bulgaria	290	112	Jamaica	5
41	Thailand	240	113	Malawi	5
42	Yemen (Aden)	230	114	Mauritius	5
43	Belgium	220	115	Niger	5
44	France	210	116	Nigeria	5
45	Canada	190	117	Panama	5
46	Jordan	190	118	Sao Tome & Principe	5
47	Peru	180	119	Senegal	5
48	Brazil	160	120	Togo	5
49	Colombia	150	121	Albania	0
50	Bangladesh	120	122	Barbados	0
51	Chile	120	123	Benin	0
52	Mozambique	120	124	Central African Rep.	0
53	Singapore	120	125	Congo	0
54	Yugoslavia	120	126	Costa Rica	0
55	China - Mainland	110	127	Fiji	0
56	Denmark	110	128	Gambia, The	0
57	Austria	100	129	Guyana	0
58	Laos	100	130	Haiti	0
59	South Africa	100	131	Iceland	0
60	Indonesia	90	132	Ivory Coast	0
61	Venezuela	80	133	Lesotho	0
62	El Salvador	70	134	Liberia	0
63	Malaysia	70	135	Malta	0
64	Philippines	70	136	Mongolia	0
65	Sudan	70	137	Nepal	0
66	Sweden	70	138	Paraguay	0
67	Oman	60	139	Qatar	0
68	Portugal	60	140	Sierra Leone	0
69	Zambia	60	141	Suriname	0
70	Bahrain	50	142	Swaziland	0
71	New Zealand	50	143	Trinidad & Tobago	0
72	Argentina	40	144	Zaire	0

Country Rank in 1989, by Variable — continued

GNP (millions of dollars)					CGE (millions of dollars)						
1	United States	5201000	73	Guatemala	8208	1	United States	1190000	73	Cameroon	2232
2	Japan	2820000	74	Uruguay	8066	2	Soviet Union	680000	74	Kenya	2226
3	Soviet Union	2664000	75	Kenya	7931	3	Japan	NA	75	Sri Lanka	2194
4	Germany, West	1207000	76	Oman	7635	4	Italy	422500	76	Bangladesh	2139
5	France	954100	77	Sri Lanka	6939	5	France	410500	77	Yemen (Sanaa)	2076
6	Italy	860000	78	Qatar	6870	6	Germany, West	353200	78	Ivory Coast	NA
7	United Kingdom	834400	79	Yemen (Sanaa)	6776	7	United Kingdom	285700	79	Burma	NA
8	China - Mainland	603500	80	Dominican Rep.	6422	8	Brazil	NA	80	Jordan	1678
9	Canada	531000	81	El Salvador	6335	9	Spain	135500	81	Iceland	NA
10	Brazil	462300	82	Angola	6031	10	Canada	123000	82	Zaire	1517
11	Spain	370700	83	Ethiopia	5959	11	Netherlands	119600	83	Uruguay	1500
12	Australia	270800	84	Zimbabwe	5742	12	China - Mainland	117100	84	Bahrain	1491
13	India	267400	85	Ghana	5134	13	Germany, East	93780	85	Panama	NA
14	Netherlands	222500	86	Iceland	5000	14	Sweden	74600	86	Jamaica	NA
15	Korea, South	210100	87	Costa Rica	4899	15	Australia	66620	87	Senegal	1419
16	Mexico	186700	88	Zambia	4655	16	Poland	66160	88	Ecuador	1402
17	Sweden	185800	89	Honduras	4622	17	India	60120	89	Costa Rica	1394
18	Switzerland	184300	90	Cyprus	4468	18	Belgium	53690	90	Albania	NA
19	Poland	174700	91	Senegal	4441	19	Austria	49340	91	Cyprus	1345
20	Germany, East	159400	92	Paraguay	4323	20	Norway	42160	92	Trinidad & Tobago	1338
21	Belgium	154600	93	Jordan	4306	21	Denmark	42090	93	Papua New Guinea	1192
22	China - Taiwan	150200	94	Bolivia	4226	22	Romania	40970	94	Gabon	1127
23	Austria	125200	95	Panama	4134	23	Czechoslovakia	38540	95	Lebanon	NA
24	Czechoslovakia	123200	96	Uganda	4045	24	Mexico	38420	96	Tanzania	1095
25	Romania	113400	97	Albania	3800	25	Korea, South	38240	97	Dominican Rep.	1043
26	Finland	112800	98	Trinidad & Tobago	3735	26	Saudi Arabia	38100	98	Botswana	1035
27	Denmark	100400	99	Mongolia	NA	27	Switzerland	35930	99	Guatemala	1007
28	Saudi Arabia	91670	100	Papua New Guinea	3375	28	Finland	33850	100	Honduras	969
29	Indonesia	89370	101	Jamaica	3231	29	Egypt	32590	101	Malta	897
30	Norway	88510	102	Gabon	3119	30	South Africa	28130	102	Yemen (Aden)	NA
31	South Africa	86750	103	Afghanistan	NA	31	Iraq	26860	103	Zambia	770
32	Iran	77540	104	Bahrain	2999	32	China - Taiwan	26560	104	Congo	752
33	Turkey	77280	105	Nepal	2811	33	Greece	23090	105	Ghana	NA
34	Egypt	69780	106	Tanzania	2642	34	Israel	22840	106	Bolivia	717
35	Thailand	68770	107	Burkina Faso	2552	35	Hungary	20260	107	El Salvador	675
36	Hungary	64740	108	Guinea	2550	36	Bulgaria	19800	108	Mali	NA
37	Yugoslavia	58640	109	Haiti	2344	37	Portugal	19440	109	Guinea	549
38	Argentina	54080	110	Madagascar	2340	38	Indonesia	18340	110	Suriname	543
39	Greece	52930	111	Lebanon	NA	39	Turkey	18320	111	Barbados	536
40	Bulgaria	49590	112	Botswana	2188	40	Algeria	NA	112	Nepal	535
41	Algeria	45290	113	Rwanda	2160	41	Korea, North	NA	113	Mauritius	535
42	Israel	44890	114	Mali	2048	42	New Zealand	15150	114	Niger	NA
43	Iraq	NA	115	Mauritius	2029	43	Cuba	13530	115	Liberia	435
44	Portugal	44620	116	Congo	2008	44	Iran	NA	116	Malawi	428
45	Philippines	43960	117	Niger	1987	45	Ireland	12230	117	Paraguay	NA
46	Venezuela	41460	118	Malta	1981	46	Libya	11330	118	Haiti	363
47	Peru	40820	119	Barbados	1669	47	Malaysia	10430	119	Rwanda	355
48	New Zealand	39090	120	Benin	1637	48	Thailand	10410	120	Fiji	NA
49	Colombia	36890	121	Malawi	1559	49	Pakistan	10130	121	Uganda	NA
50	Pakistan	36810	122	Suriname	1320	50	Kuwait	9875	122	Burkina Faso	NA
51	Malaysia	35970	123	Togo	1292	51	Argentina	NA	123	Afghanistan	NA
52	Cuba	35460	124	Yemen (Aden)	1273	52	Philippines	7912	124	Mauritania	301
53	Kuwait	31880	125	Liberia	1200	53	Singapore	7807	125	Laos	NA
54	Korea, North	30000	126	Somalia	1173	54	Venezuela	7792	126	Cape Verde	278
55	Ireland	28900	127	Fiji	1164	55	Morocco	NA	127	Central African Rep.	274
56	Singapore	28890	128	Mozambique	1106	56	Chile	NA	128	Togo	265
57	Un. Arab Emirates	27760	129	Nicaragua	1106	57	Peru	5554	129	Mozambique	NA
58	Nigeria	27520	130	Central African Rep.	1088	58	Nigeria	5460	130	Nicaragua	254
59	Chile	23300	131	Burundi	1058	59	Colombia	4627	131	Cambodia	NA
60	Libya	22200	132	Chad	1002	60	Yugoslavia	3981	132	Swaziland	197
61	Morocco	21740	133	Cambodia	NA	61	Oman	3752	133	Burundi	195
62	Bangladesh	20020	134	Mauritania	943	62	Tunisia	3669	134	Lesotho	193
63	Syria	19320	135	Lesotho	830	63	Un. Arab Emirates	3613	135	Benin	168
64	Burma	16330	136	Sierra Leone	686	64	Qatar	NA	136	Guyana	168
65	Sudan	15640	137	Laos	NA	65	Syria	3200	137	Madagascar	122
66	Vietnam	14200	138	Swaziland	644	66	Vietnam	NA	138	Guinea-Bissau	111
67	Cameroon	11100	139	Cape Verde	282	67	Luxembourg	NA	139	Somalia	NA
68	Ecuador	9668	140	Guyana	230	68	Angola	NA	140	Chad	NA
69	Tunisia	9616	141	Gambia, The	210	69	Sudan	NA	141	Gambia, The	74
70	Zaire	9152	142	Guinea-Bissau	167	70	Zimbabwe	2580	142	Sierra Leone	NA
71	Luxembourg	8879	143	Equatorial Guinea	125	71	Ethiopia	2507	143	Equatorial Guinea	27
72	Ivory Coast	8460	144	Sao Tome & Principe	45	72	Mongolia	NA	144	Sao Tome & Principe	NA

Country Rank in 1989, by Variable — continued

Population (millions)					ME / GNP (percent)						
1	China - Mainland	1102.4	73	Angola	8.3	1	Iraq	NA	73	Netherlands	2.9
2	India	833.1	74	Mali	7.8	2	Qatar	NA	74	Tunisia	2.8
3	Soviet Union	288.7	75	Tunisia	7.9	3	Oman	20.3	75	Botswana	2.8
4	United States	248.8	76	Zambia	7.9	4	Korea, North	20.0	76	Germany, West	2.8
5	Indonesia	186.7	77	Austria	7.6	5	Yemen (Aden)	NA	77	Thailand	2.7
6	Brazil	149.6	78	Niger	7.6	6	Saudi Arabia	16.0	78	Guyana	2.7
7	Japan	123.2	79	Senegal	7.5	7	Libya	14.9	79	Guinea-Bissau	NA
8	Nigeria	115.3	80	Rwanda	7.3	8	Ethiopia	12.8	80	Kenya	2.7
9	Pakistan	111.7	81	Dominican Rep.	7.1	9	Israel	12.8	81	Burundi	2.6
10	Bangladesh	111.3	82	Guinea	7.1	10	Jordan	12.7	82	Sweden	2.6
11	Mexico	86.0	83	Yemen (Sanaa)	6.9	11	Angola	NA	83	Belgium	2.5
12	Vietnam	64.8	84	Cambodia	6.8	12	Bulgaria	11.9	84	Italy	2.4
13	Philippines	63.1	85	Somalia	6.8	13	Soviet Union	11.7	85	Zaire	NA
14	Germany, West	61.8	86	Bolivia	6.8	14	Syria	11.6	86	Lesotho	NA
15	Italy	57.6	87	Switzerland	6.7	15	Lebanon	NA	87	Australia	2.3
16	United Kingdom	57.2	88	Haiti	6.0	16	Cambodia	NA	88	Malawi	2.3
17	France	56.1	89	Burundi	5.5	17	Vietnam	NA	89	Fiji	2.3
18	Turkey	56.0	90	El Salvador	5.2	18	Laos	NA	90	Philippines	2.2
19	Thailand	55.2	91	Denmark	5.1	19	Mozambique	9.7	91	Denmark	2.2
20	Iran	53.9	92	Finland	5.0	20	Yemen (Sanaa)	9.1	92	Sudan	2.2
21	Egypt	52.0	93	Chad	4.9	21	Poland	8.9	93	New Zealand	2.2
22	Ethiopia	49.9	94	Honduras	4.7	22	Germany, East	8.8	94	Burkina Faso	NA
23	Korea, South	42.7	95	Paraguay	4.5	23	Nicaragua	NA	95	Spain	2.1
24	Burma	40.5	96	Benin	4.5	24	Afghanistan	NA	96	Switzerland	2.1
25	Spain	39.1	97	Israel	4.3	25	Mongolia	7.2	97	Colombia	2.1
26	South Africa	38.5	98	Norway	4.2	26	Czechoslovakia	6.8	98	Uruguay	NA
27	Poland	37.8	99	Libya	4.1	27	Pakistan	6.8	99	Canada	2.0
28	Zaire	35.4	100	Sierra Leone	4.1	28	Zimbabwe	6.7	100	Mali	2.0
29	Colombia	32.4	101	Laos	3.9	29	Bahrain	6.5	101	Senegal	2.0
30	Argentina	31.9	102	Papua New Guinea	3.7	30	Hungary	6.3	102	Benin	2.0
31	Canada	26.4	103	Nicaragua	3.6	31	Kuwait	6.2	103	Haiti	1.9
32	Sudan	25.7	104	Togo	3.5	32	Romania	6.1	104	Rwanda	1.7
33	Tanzania	25.1	105	Ireland	3.5	33	Cape Verde	6.0	105	Indonesia	1.7
34	Morocco	25.1	106	Lebanon	3.3	34	Greece	5.9	106	Ecuador	1.7
35	Algeria	24.7	107	New Zealand	3.3	35	United States	5.9	107	Swaziland	1.7
36	Yugoslavia	23.7	108	Albania	3.2	36	Morocco	5.5	108	Central African Rep.	1.7
37	Kenya	23.5	109	Jordan	3.1	37	China - Taiwan	5.4	109	Bangladesh	1.6
38	Romania	23.2	110	Uruguay	3.1	38	Un. Arab Emirates	5.3	110	Guatemala	1.6
39	Peru	21.5	111	Costa Rica	3.0	39	Algeria	5.1	111	Finland	1.6
40	Korea, North	21.0	112	Central African Rep.	2.8	40	Singapore	5.1	112	Trinidad & Tobago	1.6
41	China - Taiwan	20.3	113	Singapore	2.7	41	Egypt	5.0	113	Ireland	1.6
42	Venezuela	19.2	114	Liberia	2.6	42	Liberia	4.8	114	Ivory Coast	1.5
43	Nepal	18.7	115	Yemen (Aden)	2.5	43	Gabon	4.5	115	Uganda	NA
44	Iraq	18.1	116	Jamaica	2.5	44	South Africa	4.4	116	Madagascar	1.5
45	Uganda	17.3	117	Panama	2.4	45	Korea, South	4.3	117	Papua New Guinea	1.5
46	Malaysia	17.2	118	Congo	2.2	46	Bolivia	4.3	118	Paraguay	1.4
47	Sri Lanka	17.0	119	Mongolia	2.1	47	Mauritania	4.3	119	Zambia	1.4
48	Australia	16.7	120	Un. Arab Emirates	2.1	48	United Kingdom	4.2	120	Brazil	NA
49	Germany, East	16.5	121	Kuwait	2.0	49	Tanzania	4.1	121	Niger	1.3
50	Saudi Arabia	16.4	122	Mauritania	1.9	50	Albania	4.1	122	Peru	NA
51	Czechoslovakia	15.6	123	Lesotho	1.7	51	Turkey	4.1	123	Cameroon	1.3
52	Netherlands	14.9	124	Oman	1.4	52	Congo	NA	124	Somalia	1.3
53	Afghanistan	14.8	125	Trinidad & Tobago	1.3	53	El Salvador	4.0	125	Nepal	1.2
54	Ghana	14.7	126	Botswana	1.2	54	Cuba	3.9	126	Guinea	NA
55	Mozambique	14.2	127	Mauritius	1.1	55	Burma	3.7	127	Austria	1.1
56	Chile	12.9	128	Gabon	1.1	56	China - Mainland	3.7	128	Jamaica	1.1
57	Syria	12.0	129	Guinea-Bissau	1.0	57	France	3.7	129	Malta	1.1
58	Ivory Coast	12.0	130	Gambia, The	0.8	58	Yugoslavia	3.6	130	Japan	1.0
59	Madagascar	11.4	131	Swaziland	0.8	59	Argentina	3.4	131	Venezuela	1.0
60	Cameroon	10.8	132	Fiji	0.8	60	Panama	3.4	132	Cyprus	0.9
61	Hungary	10.6	133	Guyana	0.8	61	Chile	3.4	133	Luxembourg	0.9
62	Cuba	10.5	134	Cyprus	0.7	62	Togo	3.3	134	Dominican Rep.	0.8
63	Portugal	10.3	135	Bahrain	0.5	63	Norway	3.3	135	Sierra Leone	NA
64	Ecuador	10.3	136	Qatar	0.5	64	Portugal	3.3	136	Gambia, The	0.7
65	Zimbabwe	10.1	137	Suriname	0.4	65	Honduras	3.3	137	Ghana	0.6
66	Greece	10.0	138	Luxembourg	0.4	66	Sri Lanka	3.2	138	Barbados	0.6
67	Belgium	9.9	139	Cape Verde	0.4	67	Chad	NA	139	Nigeria	0.5
68	Bulgaria	9.0	140	Equatorial Guinea	0.4	68	Iran	NA	140	Mexico	0.5
69	Guatemala	8.8	141	Malta	0.4	69	India	3.1	141	Costa Rica	0.5
70	Burkina Faso	8.8	142	Barbados	0.3	70	Equatorial Guinea	NA	142	Mauritius	0.2
71	Malawi	8.8	143	Iceland	0.3	71	Suriname	3.0	143	Sao Tome & Principe	NA
72	Sweden	8.5	144	Sao Tome & Principe	0.1	72	Malaysia	2.9	144	Iceland	0.0

Country Rank in 1989, by Variable — continued

ME / CGE (percent)				ME Per Capita (dollars)							
1	Afghanistan	NA	73	Sudan	12.0	1	Qatar	NA	73	Zimbabwe	38
2	Syria	69.8	74	Ecuador	11.6	2	Israel	1323	74	Barbados	38
3	Iraq	NA	75	Albania	11.3	3	United States	1222	75	Congo	NA
4	Yugoslavia	53.4	76	Mongolia	11.1	4	Oman	1085	76	Fiji	35
5	Cambodia	NA	77	Uruguay	11.0	5	Soviet Union	1077	77	Tunisia	34
6	Qatar	NA	78	Egypt	10.7	6	Kuwait	962	78	Thailand	33
7	Soviet Union	45.7	79	Congo	10.7	7	Saudi Arabia	897	79	Honduras	32
8	Vietnam	NA	80	Switzerland	10.6	8	Iraq	NA	80	Bolivia	27
9	Mozambique	42.1	81	Rwanda	10.6	9	Germany, East	848	81	Peru	NA
10	Oman	41.4	82	Cuba	10.2	10	Libya	808	82	Nicaragua	NA
11	Un. Arab Emirates	40.7	83	Sri Lanka	10.2	11	Un. Arab Emirates	695	83	Colombia	23
12	Chad	NA	84	Tanzania	10.0	12	Norway	691	84	Liberia	23
13	Korea, North	39.5	85	Malaysia	10.0	13	Bulgaria	656	85	Pakistan	22
14	Saudi Arabia	38.6	86	Lesotho	9.9	14	France	628	86	Vietnam	NA
15	El Salvador	37.3	87	Peru	9.8	15	United Kingdom	605	87	Mauritania	22
16	Nicaragua	NA	88	Germany, West	9.5	16	Sweden	574	88	Venezuela	21
17	Jordan	32.7	89	Panama	9.5	17	Switzerland	568	89	China - Mainland	20
18	Burma	30.8	90	Kenya	9.5	18	Singapore	550	90	Laos	NA
19	Ethiopia	30.5	91	Australia	9.2	19	Germany, West	544	91	Ecuador	16
20	China - Taiwan	30.4	92	Canada	8.8	20	Czechoslovakia	534	92	Ethiopia	15
21	Yemen (Sanaa)	29.8	93	France	8.6	21	Netherlands	431	93	Philippines	15
22	Bulgaria	29.7	94	Zambia	8.4	22	Denmark	426	94	Cambodia	NA
23	Libya	29.2	95	Indonesia	8.2	23	Canada	413	95	Burma	15
24	Madagascar	28.9	96	Malawi	8.2	24	Poland	410	96	Guatemala	15
25	Angola	NA	97	Sierra Leone	8.2	25	China - Taiwan	397	97	Jamaica	15
26	United States	25.5	98	Fiji	7.7	26	Belgium	392	98	Afghanistan	NA
27	Bolivia	25.4	99	Portugal	7.5	27	Bahrain	389	99	Cameroon	14
28	Israel	25.2	100	Tunisia	7.4	28	Hungary	384	100	Paraguay	13
29	Yemen (Aden)	NA	101	Belgium	7.2	29	Australia	368	101	Swaziland	13
30	Pakistan	24.6	102	Suriname	7.2	30	Finland	360	102	Sudan	13
31	Lebanon	NA	103	Norway	6.9	31	Italy	360	103	Sri Lanka	13
32	Korea, South	23.8	104	Mali	6.8	32	Greece	309	104	Papua New Guinea	13
33	Poland	23.4	105	Cameroon	6.6	33	Romania	299	105	Togo	12
34	Czechoslovakia	21.7	106	Central African Rep.	6.6	34	Korea, North	285	106	Senegal	12
35	Laos	NA	107	Sweden	6.5	35	New Zealand	258	107	Lesotho	NA
36	Hungary	20.1	108	Ivory Coast	6.4	36	Japan	231	108	Ivory Coast	11
37	Kuwait	19.9	109	Senegal	6.3	37	Korea, South	213	109	Equatorial Guinea	NA
38	Argentina	19.7	110	Nepal	6.2	38	Luxembourg	200	110	Mexico	10
39	Benin	19.4	111	Japan	6.1	39	Spain	199	111	India	10
40	China - Mainland	19.1	112	Cape Verde	NA	40	Syria	186	112	Kenya	9
41	Uganda	NA	113	Niger	6.1	41	Austria	184	113	Zambia	8
42	Singapore	18.9	114	Botswana	6.0	42	Jordan	175	114	Guyana	8
43	Iran	NA	115	Spain	5.7	43	Portugal	141	115	Indonesia	8
44	Morocco	18.0	116	New Zealand	5.6	44	Gabon	132	116	Mozambique	8
45	Thailand	17.7	117	Swaziland	5.5	45	Cuba	131	117	Haiti	8
46	Burkina Faso	NA	118	Netherlands	5.4	46	Ireland	128	118	Costa Rica	8
47	Turkey	17.2	119	Finland	5.3	47	Mongolia	122	119	Dominican Rep.	7
48	Romania	16.9	120	Guinea	NA	48	Suriname	100	120	Benin	7
49	Paraguay	16.7	121	Venezuela	5.2	49	South Africa	98	121	Chad	NA
50	Colombia	16.4	122	Denmark	5.2	50	Algeria	94	122	Central African Rep.	6
51	Togo	16.3	123	Dominican Rep.	5.0	51	Angola	NA	123	Burkina Faso	NA
52	Honduras	15.5	124	Italy	4.9	52	Yugoslavia	90	124	Zaire	NA
53	Bangladesh	15.1	125	Trinidad & Tobago	4.4	53	Yemen (Sanaa)	89	125	Mali	5
54	Zimbabwe	15.0	126	Papua New Guinea	4.0	54	Yemen (Aden)	NA	126	Rwanda	NA
55	Germany, East	14.9	127	Ghana	4.0	55	Lebanon	NA	127	Burundi	5
56	Somalia	NA	128	Guinea-Bissau	NA	56	Egypt	67	128	Guinea-Bissau	NA
57	Burundi	14.2	129	Ireland	3.7	57	Malta	62	129	Mauritius	4
58	Chile	14.1	130	Guyana	3.6	58	Chile	61	130	Tanzania	4
59	Zaire	14.1	131	Cyprus	3.0	59	Malaysia	61	131	Guinea	NA
60	Algeria	14.1	132	Austria	2.8	60	Panama	59	132	Malawi	4
61	Equatorial Guinea	NA	133	Luxembourg	2.5	61	Cyprus	59	133	Uganda	NA
62	India	13.6	134	Jamaica	2.4	62	Argentina	58	134	Niger	3
63	South Africa	13.5	135	Malta	2.4	63	Turkey	56	135	Madagascar	3
64	Mauritania	13.4	136	Nigeria	2.4	64	Uruguay	NA	136	Bangladesh	3
65	Greece	13.4	137	Mexico	2.3	65	Botswana	52	137	Somalia	NA
66	Liberia	13.3	138	Brazil	NA	66	Albania	49	138	Ghana	2
67	Bahrain	13.1	139	Gambia, The	2.0	67	El Salvador	48	139	Nepal	2
68	Guatemala	13.0	140	Barbados	1.8	68	Morocco	48	140	Gambia, The	2
69	Haiti	12.4	141	Costa Rica	1.6	69	Trinidad & Tobago	47	141	Sierra Leone	NA
70	Gabon	12.4	142	Sao Tome & Principe	NA	70	Cape Verde	NA	142	Nigeria	1
71	Philippines	12.1	143	Mauritius	0.9	71	Iran	NA	143	Sao Tome & Principe	NA
72	United Kingdom	12.1	144	Iceland	0.0	72	Brazil	NA	144	Iceland	0

Country Rank in 1989, by Variable — continued

ME Per Soldier (dollars)

1	Qatar	NA	73	Burkina Faso	NA
2	Switzerland	229300	74	Benin	7091
3	Saudi Arabia	178400	75	Angola	NA
4	United States	135700	76	Tunisia	6821
5	Canada	123200	77	Thailand	6752
6	Japan	115000	78	India	6502
7	United Kingdom	108900	79	Niger	6472
8	Kuwait	96750	80	Rwanda	NA
9	Australia	88400	81	Senegal	6174
10	Soviet Union	84050	82	Morocco	6171
11	Sweden	78080	83	Uruguay	NA
12	Luxembourg	76010	84	Bolivia	6056
13	Denmark	70440	85	Korea, North	5769
14	New Zealand	68290	86	China - Mainland	5722
15	Norway	68030	87	Mexico	5680
16	Germany, West	66810	88	Cape Verde	NA
17	France	63650	89	El Salvador	5600
18	Netherlands	60370	90	Syria	5585
19	Oman	53500	91	Mali	5529
20	Germany East	53320	92	Venezuela	5425
21	Czechoslovakia	47780	93	Congo	NA
22	Finland	45390	94	Indonesia	5299
23	Poland	44240	95	Sudan	5217
24	Bulgaria	39340	96	Malawi	5027
25	Italy	38880	97	Haiti	5011
26	Libya	38470	98	Peru	NA
27	Bahrain	38380	99	Pakistan	4784
28	South Africa	37860	100	Mauritius	4767
29	Hungary	37280	101	Sri Lanka	4721
30	Belgium	35280	102	Cuba	4636
31	Ireland	34560	103	Zaire	NA
32	Un. Arab Emirates	34210	104	Turkey	4038
33	Romania	33490	105	Iran	NA
34	Israel	30080	106	Afghanistan	NA
35	Austria	29080	107	Zambia	3815
36	Spain	28070	108	Paraguay	3787
37	Trinidad & Tobago	28010	109	Albania	3626
38	Barbados	27560	110	Ecuador	3535
39	Singapore	26580	111	Central African Rep.	3510
40	China - Taiwan	21290	112	Bangladesh	3141
41	Brazil	NA	113	Burma	3054
42	Argentina	19550	114	Ethiopia	3053
43	Algeria	18360	115	Guatemala	3037
44	Ivory Coast	16210	116	Cyprus	2953
45	Iraq	NA	117	Jordan	2885
46	Greece	15410	118	Costa Rica	2770
47	Papua New Guinea	14920	119	Tanzania	2738
48	Lebanon	NA	120	Swaziland	2705
49	Gabon	14720	121	Equatorial Guinea	NA
50	Malta	14540	122	Burundi	2529
51	Korea, South	14080	123	Yemen (Aden)	NA
52	Portugal	14010	124	Mauritania	2514
53	Jamaica	12010	125	Dominican Rep.	2461
54	Kenya	10630	126	Uganda	NA
55	Botswana	10340	127	Guinea	NA
56	Panama	10070	128	Ghana	1906
57	Yemen (Sanaa)	10030	129	Guyana	1746
58	Suriname	9751	130	Madagascar	1676
59	Lesotho	NA	131	Mozambique	1652
60	Malaysia	9488	132	Vietnam	NA
61	Yugoslavia	9447	133	Nigeria	1221
62	Philippines	9053	134	Nicaragua	NA
63	Colombia	8330	135	Sierra Leone	NA
64	Chile	8314	136	Laos	NA
65	Liberia	8286	137	Cambodia	NA
66	Honduras	7895	138	Chad	NA
67	Mongolia	7848	139	Gambia, The	967
68	Egypt	7776	140	Nepal	945
69	Zimbabwe	7569	141	Guinea-Bissau	NA
70	Fiji	7470	142	Somalia	NA
71	Togo	7313	143	Sao Tome & Principe	NA
72	Cameroon	7179	144	Iceland	0

Armed Forces Per 1000 Persons (soldiers)

1	Jordan	60.5	73	Saudi Arabia	5.0
2	Iraq	55.3	74	Ethiopia	5.0
3	Korea, North	49.5	75	Thailand	5.0
4	Israel	44.0	76	Burma	4.9
5	Yemen (Aden)	34.9	77	Swaziland	4.9
6	Syria	33.3	78	Guatemala	4.9
7	Cuba	28.3	79	Pakistan	4.7
8	Libya	21.0	80	Guyana	4.6
9	Singapore	20.7	81	Fiji	4.6
10	Nicaragua	20.4	82	Mozambique	4.6
11	Un. Arab Emirates	20.3	83	Ecuador	4.5
12	Oman	20.3	84	Bolivia	4.4
13	Greece	20.1	85	Malta	4.3
14	Cyprus	19.9	86	Australia	4.2
15	China - Taiwan	18.6	87	Honduras	4.1
16	Bulgaria	16.7	88	Venezuela	3.9
17	Germany, East	15.9	89	Equatorial Guinea	3.9
18	Mongolia	15.5	90	New Zealand	3.8
19	Vietnam	15.4	91	Afghanistan	3.7
20	Korea, South	15.1	92	Ireland	3.7
21	Qatar	15.1	93	China - Mainland	3.5
22	Cambodia	14.5	94	Paraguay	3.5
23	Laos	14.1	95	Canada	3.4
24	Turkey	13.9	96	Argentina	3.0
25	Albania	13.5	97	Dominican Rep.	3.0
26	Angola	12.9	98	Colombia	2.8
27	Soviet Union	12.8	99	Sri Lanka	2.8
28	Iran	11.2	100	Liberia	2.7
29	Czechoslovakia	11.2	101	Costa Rica	2.7
30	Belgium	11.1	102	Luxembourg	2.6
31	Hungary	10.3	103	South Africa	2.6
32	Guinea-Bissau	10.3	104	Sudan	2.5
33	Suriname	10.2	105	Switzerland	2.5
34	Norway	10.2	106	Zambia	2.2
35	Bahrain	10.1	107	Brazil	2.1
36	Portugal	10.1	108	Guinea	2.1
37	Kuwait	9.9	109	Burundi	2.0
38	France	9.9	110	Japan	2.0
39	Yugoslavia	9.5	111	Senegal	1.9
40	Poland	9.3	112	Cameroon	1.9
41	Italy	9.3	113	Nepal	1.9
42	United States	9.0	114	Madagascar	1.8
43	Gabon	9.0	115	Central African Rep.	1.8
44	Romania	8.9	116	Gambia, The	1.8
45	Yemen (Sanaa)	8.9	117	Mexico	1.8
46	Uruguay	8.8	118	Philippines	1.7
47	Egypt	8.7	119	Trinidad & Tobago	1.7
48	El Salvador	8.7	120	Togo	1.7
49	Mauritania	8.6	121	Tanzania	1.6
50	Sao Tome & Principe	8.3	122	Indonesia	1.5
51	Cape Verde	8.2	123	India	1.5
52	Germany, West	8.1	124	Haiti	1.5
53	Finland	7.9	125	Uganda	1.4
54	Morocco	7.8	126	Zaire	1.4
55	Chile	7.4	127	Barbados	1.4
56	Sweden	7.3	128	Jamaica	1.2
57	Netherlands	7.1	129	Lesotho	1.2
58	Spain	7.1	130	Ghana	1.1
59	Somalia	6.9	131	Benin	1.0
60	Congo	6.8	132	Sierra Leone	1.0
61	Chad	6.7	133	Mali	0.9
62	Malaysia	6.4	134	Mauritius	0.9
63	Austria	6.3	135	Bangladesh	0.9
64	Denmark	6.0	136	Nigeria	0.9
65	Panama	5.9	137	Burkina Faso	0.9
66	United Kingdom	5.6	138	Papua New Guinea	0.9
67	Lebanon	5.4	139	Kenya	0.8
68	Peru	5.1	140	Rwanda	0.8
69	Algeria	5.1	141	Malawi	0.9
70	Zimbabwe	5.1	142	Ivory Coast	0.8
71	Tunisia	5.0	143	Niger	0.5
72	Botswana	5.0	144	Iceland	0.0

Country Rank in 1989, by Variable — continued

Arms Exports / Total Exports (percent)					Arms Imports / Total Imports (percent)						
1	Soviet Union	17.9	73	Equatorial Guinea	0.0	1	Cambodia	NA	73	Botswana	NA
2	Korea, North	NA	74	Ethiopia	0.0	2	Afghanistan	462.3 *	74	Togo	NA
3	Egypt	14.4	75	Fiji	0.0	3	Ethiopia	97.3 *	75	Zimbabwe	NA
4	Czechoslovakia	6.6	76	Finland	0.0	4	Nicaragua	78.2 *	76	China - Taiwan	0.8
5	Israel	5.8	77	Gabon	0.0	5	Syria	47.7 *	77	Yugoslavia	0.8
6	China - Mainland	3.9	78	Gambia, The	0.0	6	Vietnam	NA	78	Brazil	0.8
7	Mali	NA	79	Ghana	0.0	7	Laos	45.7 *	79	Soviet Union	0.8
8	United States	3.1	80	Greece	0.0	8	Yemen (Aden)	NA	80	Morocco	0.7
9	United Kingdom	2.0	81	Guatemala	0.0	9	Sao Tome & Principe	NA	81	Japan	0.7
10	Chile	2.0	82	Guinea	0.0	10	Yemen (Sanaa)	NA	82	Philippines	0.6
11	France	1.5	83	Guinea-Bissau	0.0	11	Angola	30.0	83	Korea, South	0.6
12	Poland	1.4	84	Guyana	0.0	12	Saudi Arabia	21.2	84	Guatemala	0.6
13	Sweden	1.1	85	Haiti	0.0	13	Guinea-Bissau	NA	85	New Zealand	0.6
14	Yugoslavia	1.1	86	Honduras	0.0	14	Equatorial Guinea	NA	86	Indonesia	0.6
15	Germany, East	NA	87	Iceland	0.0	15	India	17.1	87	South Africa	0.5
16	Bulgaria	1.0	88	India	0.0	16	Iraq	15.8	88	Switzerland	0.5
17	Libya	0.7	89	Iran	0.0	17	Libya	15.7	89	Panama	0.5
18	Argentina	0.6	90	Ireland	0.0	18	Cuba	14.8	90	Kenya	0.5
19	Romania	NA	91	Ivory Coast	0.0	19	Korea, North	NA	91	Netherlands	0.5
20	Jordan	0.5	92	Jamaica	0.0	20	Mozambique	NA	92	Tunisia	0.5
21	Pakistan	0.4	93	Kenya	0.0	21	Greece	12.4	93	Sri Lanka	0.5
22	Iraq	0.4	94	Kuwait	0.0	22	Iran	12.4	94	Senegal	0.4
23	Germany, West	0.4	95	Laos	0.0	23	Somalia	NA	95	Cameroon	NA
24	Canada	0.3	96	Lebanon	0.0	24	Burma	9.5	96	Denmark	0.4
25	Portugal	0.3	97	Lesotho	0.0	25	Mauritania	9.0	97	Lebanon	0.4
26	Spain	0.3	98	Liberia	0.0	26	Jordan	8.9	98	Mauritius	0.4
27	Nigeria	0.3	99	Madagascar	0.0	27	Madagascar	NA	99	United Kingdom	0.3
28	Hungary	0.3	100	Malawi	0.0	28	Un. Arab Emirates	8.5	100	United States	0.3
29	Australia	0.2	101	Malaysia	0.0	29	Egypt	8.1	101	Germany, West	0.3
30	Singapore	0.2	102	Malta	0.0	30	Kuwait	7.8	102	Portugal	0.3
31	Brazil	0.2	103	Mauritania	0.0	31	Peru	7.5	103	Malaysia	0.3
32	Austria	0.1	104	Mauritius	0.0	32	Turkey	7.0	104	Jamaica	0.3
33	Netherlands	0.1	105	Mongolia	0.0	33	Algeria	6.5	105	Austria	0.3
34	Switzerland	0.1	106	Morocco	0.0	34	Zambia	6.5	106	Singapore	0.2
35	Norway	0.1	107	Mozambique	0.0	35	Pakistan	6.4	107	Belgium	0.2
36	Cuba	0.1	108	Nepal	0.0	36	El Salvador	6.4	108	Dominican Rep.	0.2
37	Luxembourg	NA	109	New Zealand	0.0	37	Rwanda	6.0	109	Italy	0.2
38	Denmark	0.1	110	Nicaragua	0.0	38	Sudan	5.8	110	China - Mainland	0.2
39	Korea, South	0.1	111	Niger	0.0	39	Burundi	5.4	111	Luxembourg	NA
40	Un. Arab Emirates	NA	112	Oman	0.0	40	Israel	5.0	112	Romania	NA
41	Indonesia	0.1	113	Panama	0.0	41	Cape Verde	4.5	113	Hungary	0.2
42	Mexico	0.0	114	Papua New Guinea	0.0	42	Czechoslovakia	3.5	114	Canada	0.2
43	Italy	0.0	115	Paraguay	0.0	43	Ghana	NA	115	Sweden	0.1
44	Japan	0.0	116	Peru	0.0	44	Bangladesh	3.3	116	France	0.1
45	Belgium	0.0	117	Philippines	0.0	45	Gabon	3.2	117	Finland	0.1
46	Saudi Arabia	0.0	118	Qatar	0.0	46	Tanzania	3.1	118	Mexico	0.1
47	China - Taiwan	0.0	119	Rwanda	0.0	47	Uganda	3.1	119	Nigeria	0.1
48	Afghanistan	0.0	120	SaoTome & Principe	0.0	48	Honduras	3.1	120	Ireland	0.0
49	Albania	0.0	121	Senegal	0.0	49	Colombia	3.0	121	Albania	0.0
50	Algeria	0.0	122	Sierra Leone	0.0	50	Germany, East	NA	122	Barbados	0.0
51	Angola	0.0	123	Somalia	0.0	51	Oman	2.7	123	Benin	0.0
52	Bahrain	0.0	124	South Africa	0.0	52	Papua New Guinea	2.6	124	Central African Rep.	0.0
53	Bangladesh	0.0	125	Sri Lanka	0.0	53	Poland	2.6	125	Congo	0.0
54	Barbados	0.0	126	Sudan	0.0	54	Chad	NA	126	Costa Rica	0.0
55	Benin	0.0	127	Suriname	0.0	55	Guinea	NA	127	Fiji	0.0
56	Bolivia	0.0	128	Swaziland	0.0	56	Mali	NA	128	Gambia, The	0.0
57	Botswana	0.0	129	Syria	0.0	57	Bulgaria	1.9	129	Guyana	0.0
58	Burkina Faso	0.0	130	Tanzania	0.0	58	Chile	1.9	130	Haiti	0.0
59	Burma	0.0	131	Thailand	0.0	59	Burkina Faso	NA	131	Iceland	0.0
60	Burundi	0.0	132	Togo	0.0	60	Bahrain	1.8	132	Ivory Coast	0.0
61	Cambodia	0.0	133	Trinidad & Tobago	0.0	61	Cyprus	1.8	133	Lesotho	0.0
62	Cameroon	0.0	134	Tunisia	0.0	62	Uruguay	1.7	134	Liberia	0.0
63	Cape Verde	0.0	135	Turkey	0.0	63	Australia	1.5	135	Malta	0.0
64	Central African Rep.	0.0	136	Uganda	0.0	64	Norway	1.4	136	Mongolia	0.0
65	Chad	0.0	137	Uruguay	0.0	65	Bolivia	1.3	137	Nepal	0.0
66	Colombia	0.0	138	Venezuela	0.0	66	Ecuador	1.1	138	Paraguay	0.0
67	Congo	0.0	139	Vietnam	0.0	67	Niger	NA	139	Qatar	0.0
68	Costa Rica	0.0	140	Yemen (Aden)	0.0	68	Spain	1.1	140	Sierra Leone	0.0
69	Cyprus	0.0	141	Yemen (Sanaa)	0.0	69	Venezuela	1.0	141	Suriname	0.0
70	Dominican Rep.	0.0	142	Zaire	0.0	70	Malawi	1.0	142	Swaziland	0.0
71	Ecuador	0.0	143	Zambia	0.0	71	Thailand	1.0	143	Trinidad & Tobago	0.0
72	El Salvador	0.0	144	Zimbabwe	0.0	72	Argentina	1.0	144	Zaire	0.0

* This ratio is (likely to be) overstated. See Main Table II, footnote c.

Country Rank in 1989, by Variable — continued

GNP Per Capita (dollars)

1	Switzerland	27510	73	Jamaica	1318
2	Luxembourg	23410	74	Thailand	1246
3	Japan	22900	75	El Salvador	1217
4	Finland	22740	76	Tunisia	1212
5	Sweden	21900	77	Albania	1184
6	Norway	20920	78	Colombia	1139
7	United States	20910	79	Cameroon	1025
8	Canada	20240	80	Honduras	986
9	Iceland	19700	81	Yemen (Sanaa)	976
10	Denmark	19580	82	Paraguay	956
11	Germany, West	19520	83	Ecuador	942
12	France	17000	84	Guatemala	932
13	Austria	16430	85	Congo	922
14	Australia	16220	86	Dominican Rep.	905
15	Belgium	15620	87	Papua New Guinea	904
16	Kuwait	15610	88	Morocco	866
17	Netherlands	14980	89	Swaziland	790
18	Italy	14940	90	Cape Verde	775
19	Qatar	14850	91	Angola	727
20	United Kingdom	14580	92	Ivory Coast	705
21	Un. Arab Emirates	13110	93	Philippines	697
22	New Zealand	11910	94	Lebanon	NA
23	Singapore	10760	95	Bolivia	619
24	Israel	10340	96	Sudan	608
25	Germany, East	9669	97	Senegal	593
26	Spain	9471	98	Zambia	591
27	Soviet Union	9226	99	Zimbabwe	571
28	Ireland	8224	100	China - Mainland	547
29	Czechoslovakia	7876	101	Yemen (Aden)	509
30	China - Taiwan	7390	102	Mauritania	503
31	Barbados	6562	103	Lesotho	485
32	Cyprus	6431	104	Indonesia	479
33	Hungary	6119	105	Liberia	470
34	Bahrain	5966	106	Sri Lanka	409
35	Malta	5656	107	Burma	404
36	Saudi Arabia	5600	108	Haiti	391
37	Bulgaria	5530	109	Central African Rep.	388
38	Libya	5423	110	Sao Tome & Principe	368
39	Oman	5340	111	Togo	365
40	Greece	5286	112	Benin	362
41	Korea, South	4920	113	Guinea	360
42	Romania	4896	114	Ghana	350
43	Poland	4625	115	Equatorial Guinea	347
44	Portugal	4323	116	Kenya	338
45	Cuba	3375	117	Pakistan	330
46	Suriname	3371	118	India	321
47	Brazil	3090	119	Nicaragua	305
48	Trinidad & Tobago	2972	120	Guyana	305
49	Gabon	2944	121	Rwanda	295
50	Uruguay	2617	122	Burkina Faso	290
51	Iraq	NA	123	Niger	261
52	Yugoslavia	2474	124	Zaire	258
53	South Africa	2253	125	Mali	257
54	Mexico	2170	126	Gambia, The	255
55	Venezuela	2158	127	Nigeria	239
56	Malaysia	2099	128	Uganda	233
57	Mauritius	1910	129	Vietnam	219
58	Peru	1903	130	Chad	205
59	Botswana	1838	131	Madagascar	205
60	Algeria	1831	132	Afghanistan	NA
61	Chile	1809	133	Burundi	194
62	Panama	1741	134	Bangladesh	180
63	Argentina	1694	135	Malawi	177
64	Mongolia	NA	136	Somalia	172
65	Costa Rica	1658	137	Guinea-Bissau	171
66	Syria	1608	138	Sierra Leone	169
67	Fiji	1540	139	Laos	NA
68	Iran	1440	140	Nepal	150
69	Korea, North	1427	141	Cambodia	NA
70	Turkey	1380	142	Ethiopia	120
71	Jordan	1372	143	Tanzania	105
72	Egypt	1342	144	Mozambique	78

CGE Per Capita (dollars)

1	Norway	9963	73	Congo	345
2	Sweden	8791	74	Lebanon	NA
3	Denmark	8204	75	Turkey	327
4	Netherlands	8054	76	Papua New Guinea	319
5	Luxembourg	NA	77	Yemen (Sanaa)	299
6	Qatar	NA	78	Argentina	NA
7	Italy	7341	79	Morocco	NA
8	France	7315	80	Syria	266
9	Finland	6820	81	Peru	259
10	Austria	6474	82	Zimbabwe	257
11	Iceland	NA	83	Iran	NA
12	Germany, West	5714	84	Swaziland	242
13	Germany, East	5690	85	Guyana	222
14	Belgium	5426	86	Honduras	207
15	Switzerland	NA	87	Cameroon	206
16	Israel	5260	88	Senegal	190
17	United Kingdom	4992	89	Thailand	189
18	Kuwait	4835	90	Liberia	171
19	United States	4785	91	Ivory Coast	NA
20	Canada	4686	92	Yugoslavia	168
21	New Zealand	4616	93	Mauritania	161
22	Australia	3990	94	Dominican Rep.	147
23	Japan	NA	95	Colombia	143
24	Ireland	3481	96	Ecuador	137
25	Spain	3462	97	El Salvador	130
26	Bahrain	2967	98	Sri Lanka	129
27	Singapore	2908	99	Philippines	125
28	Libya	2768	100	Guatemala	114
29	Oman	2624	101	Guinea-Bissau	114
30	Malta	2560	102	Lesotho	113
31	Czechoslovakia	2464	103	Sudan	NA
32	Soviet Union	2355	104	China - Mainland	106
33	Saudi Arabia	2327	105	Bolivia	105
34	Greece	2306	106	Indonesia	98
35	Bulgaria	2208	107	Zambia	98
36	Barbados	2106	108	Central African Rep.	98
37	Cyprus	1936	109	Kenya	95
38	Hungary	1915	110	Pakistan	91
39	Portugal	1883	111	Gambia, The	89
40	Brazil	NA	112	Paraguay	NA
41	Romania	1769	113	Guinea	78
42	Poland	1752	114	Mali	NA
43	Un. Arab Emirates	1706	115	Laos	NA
44	Iraq	NA	116	Togo	75
45	Suriname	1387	117	Equatorial Guinea	74
46	China - Taiwan	1307	118	India	72
47	Cuba	1287	119	Nicaragua	70
48	Mongolia	NA	120	Haiti	60
49	Trinidad & Tobago	1065	121	Niger	NA
50	Gabon	1064	122	Ghana	NA
51	Korea, South	896	123	Ethiopia	50
52	Botswana	869	124	Vietnam	NA
53	Cape Verde	764	125	Burma	NA
54	South Africa	730	126	Malawi	49
55	Korea, North	NA	127	Rwanda	48
56	Algeria	NA	128	Nigeria	47
57	Egypt	627	129	Tanzania	44
58	Panama	NA	130	Zaire	43
59	Malaysia	609	131	Benin	37
60	Jamaica	NA	132	Sao Tome & Principe	NA
61	Jordan	535	133	Burundi	36
62	Mauritius	504	134	Burkina Faso	NA
63	Uruguay	487	135	Cambodia	NA
64	Costa Rica	472	136	Nepal	29
65	Tunisia	462	137	Afghanistan	NA
66	Fiji	NA	138	Bangladesh	21
67	Mexico	447	139	Uganda	NA
68	Chile	NA	140	Mozambique	NA
69	Albania	NA	141	Chad	NA
70	Venezuela	406	142	Somalia	NA
71	Angola	NA	143	Sierra Leone	NA
72	Yemen (Aden)	NA	144	Madagascar	11

Country Rank in 1989, by Variable — continued

CGE / GNP (percent)

1	Cape Verde	98.6	73	Fiji	NA
2	Guyana	73.0	74	Malaysia	29.0
3	Yemen (Aden)	NA	75	Costa Rica	28.5
4	Guinea-Bissau	66.7	76	Kenya	28.1
5	Mongolia	NA	77	Pakistan	27.5
6	Iraq	NA	78	Malawi	27.5
7	Brazil	NA	79	Singapore	27.0
8	Germany, East	58.9	80	Mauritius	26.4
9	Netherlands	53.8	81	Soviet Union	25.5
10	Libya	51.0	82	Central African Rep.	25.2
11	Israel	50.9	83	Australia	24.6
12	Korea, North	NA	84	Ivory Coast	NA
13	Bahrain	49.7	85	Chile	NA
14	Qatar	NA	86	Turkey	23.7
15	Oman	49.1	87	Lesotho	23.3
16	Italy	49.1	88	Canada	23.2
17	Angola	NA	89	Mozambique	NA
18	Lebanon	NA	90	Nicaragua	23.0
19	Norway	47.6	91	United States	22.9
20	Botswana	47.3	92	Vietnam	NA
21	Egypt	46.7	93	India	22.5
22	Laos	NA	94	Niger	NA
23	Jamaica	NA	95	Guinea	21.5
24	Malta	45.3	96	Equatorial Guinea	21.4
25	Zimbabwe	44.9	97	Cambodia	NA
26	Greece	43.6	98	Honduras	21.0
27	Portugal	43.6	99	Mexico	20.6
28	France	43.0	100	Indonesia	20.5
29	Ireland	42.3	101	Togo	20.5
30	Ethiopia	42.1	102	Cameroon	20.1
31	Denmark	41.9	103	Nigeria	19.8
32	Saudi Arabia	41.6	104	Switzerland	NA
33	Tanzania	41.4	105	China - Mainland	19.4
34	Suriname	41.1	106	Nepal	19.1
35	Sweden	40.1	107	Venezuela	18.8
36	Bulgaria	39.9	108	Uruguay	18.6
37	Austria	39.4	109	Burundi	18.5
38	Jordan	39.0	110	Korea South	18.2
39	New Zealand	38.8	111	Sudan	NA
40	Tunisia	38.2	112	Philippines	18.0
41	Cuba	38.2	113	China - Taiwan	17.7
42	Poland	37.9	114	Argentina	NA
43	Congo	37.4	115	Iran	NA
44	Albania	NA	116	Bolivia	17.0
45	Spain	36.6	117	Zaire	16.6
46	Liberia	36.3	118	Syria	16.6
47	Algeria	NA	119	Zambia	16.6
48	Romania	36.1	120	Japan	NA
49	Gabon	36.1	121	Rwanda	16.4
50	Panama	NA	122	Dominican Rep.	16.3
51	Trinidad & Tobago	35.8	123	Haiti	15.5
52	Papua New Guinea	35.3	124	Thailand	15.1
53	Gambia, The	35.1	125	Ghana	NA
54	Belgium	34.7	126	Ecuador	14.5
55	Luxembourg	NA	127	Peru	13.6
56	United Kingdom	34.2	128	Un. Arab Emirates	13.0
57	South Africa	32.4	129	Colombia	12.5
58	Barbados	32.1	130	Guatemala	12.3
59	Senegal	32.0	131	Burma	NA
60	Mauritania	32.0	132	Burkina Faso	NA
61	Sri Lanka	31.6	133	Bangladesh	10.7
62	Hungary	31.3	134	El Salvador	10.7
63	Czechoslovakia	31.3	135	Benin	10.3
64	Kuwait	31.0	136	Afghanistan	NA
65	Morocco	NA	137	Sao Tome & Principe	NA
66	Swaziland	30.7	138	Somalia	NA
67	Yemen (Sanaa)	30.6	139	Sierra Leone	NA
68	Iceland	NA	140	Paraguay	NA
69	Cyprus	30.1	141	Chad	NA
70	Finland	30.0	142	Uganda	NA
71	Mali	NA	143	Yugoslavia	6.8
72	Germany, West	29.3	144	Madagascar	5.2

List of Countries With 1989 Rank Per Variable

COUNTRY	ME	AF	AI	AE	GNP	CGE	POP	ME/ GNP	ME/ CGE	ME/ POP	ME/ AF	AF/ POP	AI/ TI	AE/ TE	GNP/ POP	CGE/ POP	CGE/ GNP	COUNTRY
Afghanistan	79	67	2	+	103	123	53	24	1	98	106	91	2	+	132	137	136	Afghanistan
Albania	86	75	+	+	97	90	108	50	75	66	109	25	+	+	77	69	44	Albania
Algeria	38	38	26	+	41	40	35	39	60	50	43	69	33	+	60	56	47	Algeria
Angola	63	43	19	+	82	68	73	11	25	51	75	26	11	+	91	71	17	Angola
Argentina	43	51	72	24	38	51	30	59	38	62	42	96	72	18	63	78	114	Argentina
Australia	22	60	22	21	12	15	48	87	91	29	9	86	63	29	14	22	83	Australia
Austria	52	70	57	30	23	19	77	127	132	41	35	63	105	32	13	10	37	Austria
Bahrain	82	124	70	+	104	84	135	29	67	27	27	35	60	+	34	26	13	Bahrain
Bangladesh	72	48	50	+	62	76	10	109	53	136	112	135	44	+	134	138	133	Bangladesh
Barbados	136	143	+	+	119	111	142	138	140	74	38	127	+	+	31	36	58	Barbados
Belgium	28	39	43	35	21	18	67	83	101	26	30	30	107	45	15	14	54	Belgium
Benin	122	125	+	+	120	135	96	102	39	120	74	131	+	+	112	131	135	Benin
Bolivia	83	86	93	+	94	106	86	46	27	80	84	84	65	+	95	105	116	Bolivia
Botswana	103	120	94	+	112	98	126	75	114	65	55	72	73	+	59	52	20	Botswana
Brazil	21	19	48	28	10	8	6	120	138	72	41	107	78	31	47	40	7	Brazil
Bulgaria	24	37	40	15	40	36	68	12	22	13	24	16	57	16	37	35	36	Bulgaria
Burkina Faso	108	115	95	+	107	122	70	94	46	123	73	137	59	+	122	134	132	Burkina Faso
Burma	65	31	82	+	64	79	24	55	18	95	113	76	24	+	107	125	131	Burma
Burundi	126	109	96	+	131	133	89	81	57	127	122	109	39	+	133	133	109	Burundi
Cambodia	96	50	28	+	133	131	84	16	5	94	137	22	1	+	141	135	97	Cambodia
Cameroon	88	92	108	+	67	73	60	123	105	99	72	112	95	+	79	87	102	Cameroon
Canada	13	54	45	10	9	10	31	99	92	23	5	95	114	24	8	20	88	Canada
Cape Verde	133	133	109	+	139	126	139	33	112	70	88	51	41	+	90	53	1	Cape Verde
Cen. Afr. Rep.	132	123	+	+	130	127	112	108	106	122	111	115	+	+	109	108	82	Cen. Afr. Rep.
Chad	123	84	97	+	132	140	93	67	12	121	138	61	54	+	130	141	141	Chad
Chile	60	52	51	16	59	56	56	61	58	58	64	55	58	10	61	68	85	Chile
China - Mainland	7	1	55	5	8	12	1	56	40	89	86	93	110	6	100	104	105	China - Mainland
China - Taiwan	17	17	33	39	22	32	41	37	20	25	40	15	76	47	30	46	113	China - Taiwan
Colombia	62	53	49	+	49	59	29	97	50	83	63	98	49	+	78	95	129	Colombia
Congo	99	103	+	+	116	104	118	52	79	75	93	60	+	+	85	73	43	Congo
Costa Rica	129	113	+	+	87	89	111	141	141	118	118	101	+	+	65	64	75	Costa Rica
Cuba	54	21	10	43	52	43	62	54	82	45	102	7	18	36	45	47	41	Cuba
Cyprus	114	106	73	+	90	91	134	132	131	61	116	14	61	+	32	37	69	Cyprus
Czechoslovakia	15	35	31	7	24	23	51	26	34	20	21	29	42	4	29	31	63	Czechoslovakia
Denmark	40	85	56	36	27	21	91	91	122	22	13	64	96	38	10	3	31	Denmark
Dominican Rep.	109	90	110	+	80	97	81	134	123	119	125	97	108	+	86	94	122	Dominican Rep.
Ecuador	85	73	83	+	68	88	64	106	74	91	110	83	66	+	83	96	126	Ecuador
Egypt	31	15	25	13	34	29	21	41	78	56	68	47	29	3	72	57	21	Egypt
El Salvador	76	74	62	+	81	107	90	53	15	67	89	48	36	+	75	97	134	El Salvador
Equat. Guinea	141	139	98	+	143	143	140	70	61	109	121	89	14	+	115	117	96	Equat. Guinea
Ethiopia	61	26	14	+	83	71	22	8	19	92	114	74	3	+	142	123	30	Ethiopia
Fiji	128	130	+	+	127	120	132	89	98	76	70	81	+	+	67	66	73	Fiji
Finland	45	81	84	+	26	28	92	111	119	30	22	53	117	+	4	9	70	Finland
France	3	11	44	4	5	5	17	57	93	14	17	38	116	11	12	8	28	France
Gabon	90	111	85	+	102	94	128	43	70	44	49	43	45	+	49	50	49	Gabon
Gambia, The	142	137	+	+	141	141	130	136	139	140	139	116	+	+	126	111	53	Gambia, The
Germany, East	12	25	18	14	20	13	49	22	55	9	20	17	50	15	25	13	8	Germany, East
Germany, West	5	14	16	6	4	6	14	76	88	19	16	52	101	23	11	12	72	Germany, West
Ghana	124	101	77	+	85	105	54	137	127	138	128	130	43	+	114	122	125	Ghana
Greece	34	30	4	+	39	33	66	34	65	32	46	13	21	+	40	34	26	Greece
Guatemala	91	76	99	+	73	99	69	110	68	96	115	78	84	+	84	100	130	Guatemala
Guinea	125	102	100	+	108	109	82	126	120	131	127	108	55	+	113	113	95	Guinea
Guinea-Bissau	140	110	101	+	142	138	129	79	128	128	141	32	13	+	137	101	4	Guinea-Bissau
Guyana	137	131	+	+	140	136	133	78	130	114	129	80	+	+	120	85	2	Guyana
Haiti	111	112	+	+	109	118	88	103	69	117	97	124	+	+	108	120	123	Haiti
Honduras	87	95	78	+	89	100	94	65	52	79	66	87	48	+	80	86	98	Honduras
Hungary	27	42	79	29	36	35	61	30	36	28	29	31	113	28	33	38	62	Hungary
Iceland	144	144	+	+	86	81	143	144	144	144	144	144	+	+	9	11	68	Iceland
India	16	4	3	+	13	17	2	69	62	111	78	123	15	+	118	118	93	India
Indonesia	48	22	60	40	29	38	5	105	95	115	94	122	86	41	104	106	100	Indonesia
Iran	37	10	8	+	32	44	20	68	43	71	105	28	22	+	68	83	115	Iran
Iraq	9	6	5	25	43	31	44	1	3	8	45	2	16	22	51	44	6	Iraq
Ireland	68	107	111	+	55	45	105	113	129	46	31	92	120	+	28	24	29	Ireland
Israel	25	33	21	8	42	34	97	9	28	2	34	4	40	5	24	16	11	Israel
Italy	8	12	38	26	6	4	15	84	124	31	25	41	109	43	18	7	16	Italy
Ivory Coast	93	114	+	+	72	78	58	114	108	108	44	142	+	+	92	91	84	Ivory Coast
Jamaica	118	134	112	+	101	86	116	128	134	97	53	128	104	+	73	60	23	Jamaica
Japan	6	27	7	20	2	3	7	130	111	36	6	110	81	44	3	23	120	Japan
Jordan	66	34	46	44	93	80	109	10	17	42	117	1	26	20	71	61	38	Jordan
Kenya	81	94	102	+	75	74	37	80	90	112	54	139	90	+	116	109	76	Kenya
Korea, North	23	5	27	11	54	41	40	4	13	34	85	3	19	2	69	55	12	Korea, North
Korea, South	14	9	36	31	15	25	23	45	32	37	51	20	83	39	41	51	110	Korea, South

List of Countries With 1989 Rank Per Variable — continued

COUNTRY	ME	AF	AI	AE	GNP	CGE	POP	ME/ GNP	ME/ CGE	ME/ POP	ME/ AF	AF/ POP	AI/ TI	AE/ TE	GNP/ POP	CGE/ POP	CGE/ GNP	COUNTRY
Kuwait	42	93	29	+	53	50	121	31	37	6	8	37	30	+	16	18	64	Kuwait
Laos	102	65	58	+	137	125	101	18	35	90	136	23	7	+	139	115	22	Laos
Lebanon	74	96	103	+	111	95	106	15	31	55	48	67	97	+	94	74	18	Lebanon
Lesotho	131	136	+	+	135	134	123	86	86	107	59	129	+	+	103	102	87	Lesotho
Liberia	107	117	+	+	125	115	114	42	66	84	65	100	+	+	105	90	46	Liberia
Libya	32	56	13	32	60	46	99	7	23	10	26	8	17	17	38	28	10	Libya
Luxembourg	100	140	104	45	71	67	138	133	133	38	12	102	111	37	2	5	55	Luxembourg
Madagascar	119	91	80	+	110	137	59	116	24	135	130	114	27	+	131	144	144	Madagascar
Malawi	120	118	113	+	121	116	71	88	96	132	96	141	70	+	135	126	78	Malawi
Malaysia	56	41	63	+	51	47	46	72	85	59	60	62	103	+	56	59	74	Malaysia
Mali	113	116	105	41	114	108	74	100	104	125	91	133	56	7	125	114	71	Mali
Malta	130	138	+	+	118	101	141	129	135	57	50	85	+	+	35	30	24	Malta
Mauritania	115	99	86	+	134	124	122	47	64	87	124	49	25	+	102	93	60	Mauritania
Mauritius	139	141	114	+	115	113	127	142	143	129	100	134	98	+	57	62	80	Mauritius
Mexico	58	36	87	42	16	24	11	140	137	110	87	117	118	42	54	67	99	Mexico
Mongolia	75	83	+	+	99	72	119	25	76	47	67	18	+	+	64	48	5	Mongolia
Morocco	55	32	74	+	61	55	34	36	44	68	82	54	80	+	88	79	65	Morocco
Mozambique	95	61	52	+	128	129	55	19	9	116	131	82	20	+	144	140	89	Mozambique
Nepal	121	82	+	+	105	112	43	125	110	139	140	113	+	+	140	136	106	Nepal
Netherlands	20	45	30	18	14	11	52	73	118	21	18	57	91	33	17	4	9	Netherlands
New Zealand	59	108	71	+	48	42	107	93	116	35	14	90	85	+	22	21	39	New Zealand
Nicaragua	98	59	34	+	129	130	103	23	16	82	134	10	4	+	119	119	90	Nicaragua
Niger	127	126	115	+	117	114	78	121	113	134	79	143	67	+	123	121	94	Niger
Nigeria	92	44	116	37	58	58	8	139	136	142	133	136	119	27	127	128	103	Nigeria
Norway	35	77	37	34	30	20	98	63	103	12	15	34	64	35	6	1	19	Norway
Oman	47	87	67	+	76	61	124	3	10	4	19	12	51	+	39	29	15	Oman
Pakistan	36	13	32	38	50	49	9	27	30	85	99	79	35	21	117	110	77	Pakistan
Panama	89	105	117	+	95	85	117	60	89	60	56	65	89	+	62	58	50	Panama
Pap. New Guin.	110	132	75	+	100	93	102	117	126	104	47	138	52	+	87	76	52	Pap. New Guin.
Paraguay	105	100	+	+	92	117	95	118	49	100	108	94	+	+	82	112	140	Paraguay
Peru	67	40	47	+	47	57	39	122	87	81	98	68	31	+	58	81	127	Peru
Philippines	57	46	64	+	45	52	13	90	71	93	62	118	82	+	93	99	112	Philippines
Poland	10	18	24	12	19	16	27	21	33	24	23	40	53	12	43	42	42	Poland
Portugal	51	47	68	33	44	37	63	64	99	43	52	36	102	25	44	39	27	Portugal
Qatar	46	119	+	+	78	64	136	2	6	1	1	21	+	+	19	6	14	Qatar
Romania	19	29	88	22	25	22	38	32	48	33	33	44	112	19	42	41	48	Romania
Rwanda	117	121	89	+	113	119	80	104	81	126	80	140	37	+	121	127	121	Rwanda
Sao Tome&Princ.	143	142	118	+	144	144	144	143	142	143	143	50	9	+	110	132	137	Sao Tome&Princ.
Saudi Arabia	11	57	1	46	28	26	50	6	14	7	3	73	12	46	36	33	32	Saudi Arabia
Senegal	97	104	119	+	91	87	79	101	109	106	81	111	94	+	97	88	59	Senegal
Sierra Leone	138	127	+	+	136	142	100	135	97	141	135	132	+	+	138	143	139	Sierra Leone
Singapore	49	66	53	23	56	53	113	40	42	18	39	9	106	30	23	27	79	Singapore
Somalia	134	72	81	+	126	139	85	124	56	137	142	59	23	+	136	142	138	Somalia
South Africa	30	49	59	+	31	30	26	44	63	49	28	103	87	+	53	54	57	South Africa
Soviet Union	1	2	15	1	3	2	3	13	7	5	10	27	79	1	27	32	81	Soviet Union
Spain	18	23	20	19	11	9	25	95	115	39	36	58	68	26	26	25	45	Spain
Sri Lanka	77	71	106	+	77	75	47	66	83	103	101	99	93	+	106	98	61	Sri Lanka
Sudan	71	62	65	+	65	69	32	92	73	102	95	104	38	+	96	103	111	Sudan
Suriname	116	128	+	+	122	110	137	71	102	48	58	33	+	+	46	45	34	Suriname
Swaziland	135	129	+	+	138	132	131	107	117	101	120	77	+	+	89	84	66	Swaziland
Sweden	26	63	66	9	17	14	72	82	107	16	11	56	115	13	5	2	35	Sweden
Switzerland	29	98	39	27	18	27	87	96	80	17	2	105	88	34	1	15	104	Switzerland
Syria	39	16	12	+	63	65	57	14	2	40	90	6	5	+	66	80	118	Syria
Tanzania	94	79	76	+	106	96	33	49	84	130	119	121	46	+	143	129	33	Tanzania
Thailand	44	24	41	+	35	48	19	77	45	78	77	75	71	+	74	89	124	Thailand
Togo	112	122	120	+	123	128	104	62	51	105	71	120	74	+	111	116	101	Togo
Trinidad & Tob.	106	135	+	+	98	92	125	112	125	69	37	119	+	+	48	49	51	Trinidad & Tob.
Tunisia	73	80	90	+	69	62	75	74	100	77	76	71	92	+	76	65	40	Tunisia
Turkey	33	8	11	+	33	39	18	51	47	63	104	24	32	+	70	75	86	Turkey
Uganda	104	89	91	+	96	121	45	115	41	133	126	125	47	+	128	139	142	Uganda
Un. Arab Emir.	50	78	17	47	57	63	120	38	11	11	32	11	28	40	21	43	128	Un. Arab Emir.
United Kingdom	4	20	23	3	7	7	16	48	72	15	7	66	99	9	20	17	56	United Kingdom
United States	2	3	6	2	1	1	4	35	26	3	4	42	100	8	7	19	91	United States
Uruguay	84	88	92	+	74	83	110	98	77	64	83	46	62	+	50	63	108	Uruguay
Venezuela	69	58	61	+	46	54	42	131	121	88	92	88	69	+	55	70	107	Venezuela
Vietnam	53	7	9	+	66	66	12	17	8	86	132	19	6	+	129	124	92	Vietnam
Yemen (Aden)	78	55	42	+	124	102	115	5	29	54	123	5	8	+	101	72	3	Yemen (Aden)
Yemen (Sanaa)	64	64	35	+	79	77	83	20	21	53	57	45	10	+	81	77	67	Yemen (Sanaa)
Yugoslavia	41	28	54	17	37	60	36	58	4	52	61	39	77	14	52	92	143	Yugoslavia
Zaire	80	68	+	+	70	82	28	85	59	124	103	126	+	+	124	130	117	Zaire
Zambia	101	97	69	+	88	103	76	119	94	113	107	106	34	+	98	107	119	Zambia
Zimbabwe	70	69	107	+	84	70	65	28	54	73	69	70	75	+	99	82	25	Zimbabwe

+ Tied for last place with a zero value.

Main Statistical Tables

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 By Region, Organization, and Country

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP
									GNP	CGE		PER CAPITA
	Billion dollars				Billion dollars		Billion dollars				Constant 1989 dollars	
YEAR	Current	Constant 1989	Thousands	Current	Constant 1989	Constant 1989	Millions	%	%		Soldiers	
	TOTALS ^a											
WORLD												
1979	528.7	849.9	26700	10170	16350	4424.0	4381.9	5.2	19.2	194	6.1	3732
1980	602.0	887.0	26720	11340	16710	4717.9	4457.6	5.3	18.8	199	6.0	3748
1981	681.6	916.2	27310	12620	16960	4911.9	4534.2	5.4	18.7	202	6.0	3741
1982	763.8	964.7	27230	13450	16980	5098.8	4613.6	5.7	18.9	209	5.9	3681
1983	821.2	998.6	27450	14280	17370	5226.6	4693.9	5.7	19.1	213	5.8	3701
1984	868.7	1018.4	28310	15420	18080	5306.0	4773.4	5.6	19.2	213	5.9	3787
1985	924.5	1052.5	28550	16370	18640	5562.4	4853.8	5.6	18.9	217	5.9	3840
1986	956.3	1061.2	28850	17270	19170	5672.5	4936.8	5.5	18.7	215	5.8	3882
1987	990.4	1065.2	28700	18420	19810	5752.3	5024.0	5.4	18.5	212	5.7	3944
1988	1015.9	1057.6	28490	19840	20650	5841.9	5111.9	5.1	18.1	207	5.6	4039
1989	1035.1	1035.1	28290	21270	21270	5947.3	5199.8	4.9	17.4	199	5.4	4091
DEVELOPED												
1979	429.2	690.0	9985	8422	13540	3628.5	1077.0	5.1	19.0	641	9.3	12570
1980	489.5	721.3	10050	9308	13710	3850.5	1085.7	5.3	18.7	664	9.3	12630
1981	552.7	743.0	10140	10350	13910	4015.5	1094.0	5.3	18.5	679	9.3	12720
1982	615.7	777.7	10230	11030	13930	4143.3	1102.1	5.6	18.8	706	9.3	12640
1983	663.3	806.6	10290	11750	14290	4255.7	1109.9	5.6	19.0	727	9.3	12880
1984	705.5	827.1	10330	12700	14890	4340.0	1117.8	5.6	19.1	740	9.2	13320
1985	758.6	863.5	10380	13460	15320	4514.4	1125.7	5.6	19.1	767	9.2	13610
1986	791.6	878.4	10400	14180	15740	4623.8	1133.8	5.6	19.0	775	9.2	13880
1987	826.5	889.0	10460	15070	16210	4674.4	1142.0	5.5	19.0	778	9.2	14200
1988	852.9	887.9	10380	16220	16880	4734.5	1150.2	5.3	18.8	772	9.0	14680
1989	867.4	867.4	10040	17370	17370	4787.7	1158.1	5.0	18.1	749	8.7	14990
DEVELOPING												
1979	99.5	160.0	16720	1751	2815	795.5	3304.9	5.7	20.1	48	5.1	852
1980	112.5	165.7	16680	2031	2992	867.4	3371.9	5.5	19.1	49	4.9	887
1981	128.9	173.2	17170	2270	3051	896.4	3440.2	5.7	19.3	50	5.0	887
1982	148.1	187.0	16990	2414	3050	955.5	3511.5	6.1	19.6	53	4.8	868
1983	157.9	192.0	17160	2530	3076	970.9	3584.0	6.2	19.8	54	4.8	858
1984	163.2	191.3	17980	2721	3190	966.1	3655.7	6.0	19.8	52	4.9	873
1985	166.0	188.9	18170	2915	3318	1048.0	3728.1	5.7	18.0	51	4.9	890
1986	164.7	182.7	18450	3092	3431	1048.7	3803.0	5.3	17.4	48	4.9	902
1987	163.9	176.2	18240	3350	3603	1077.9	3881.9	4.9	16.3	45	4.7	928
1988	163.0	169.7	18110	3620	3769	1107.4	3961.7	4.5	15.3	43	4.6	951
1989	167.7	167.7	18250	3908	3908	1159.6	4041.7	4.3	14.5	41	4.5	967

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Billion dollars			Billion dollars									Billion dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
			Thousands				Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars	
BY REGION ^a													
AFRICA													
1979	9.7	15.6	1267	183	295	81.7	436.2	5.3	19.1	36	2.9	676	
1980	10.7	15.8	1366	214	316	87.0	448.7	5.0	18.2	35	3.0	704	
1981	11.7	15.7	1427	236	317	91.2	461.2	4.9	17.2	34	3.1	687	
1982	12.1	15.3	1433	249	315	95.3	474.7	4.9	16.1	32	3.0	663	
1983	13.2	16.1	1462	258	314	98.0	489.1	5.1	16.4	33	3.0	642	
1984	14.1	16.6	1546	269	315	99.7	503.8	5.3	16.6	33	3.1	625	
1985	13.2	15.0	1610	285	324	102.5	519.1	4.6	14.6	29	3.1	625	
1986	13.7	15.3	1714	296	328	106.0	534.7	4.6	14.4	29	3.2	614	
1987	13.3	14.3	1751	308	331	107.8	550.8	4.3	13.3	26	3.2	601	
1988	14.1	14.7	1644	322	335	104.6	567.2	4.4	14.1	26	2.9	591	
1989	15.3	15.3	1659	342	342	104.2	584.1	4.5	14.7	26	2.8	586	
EAST ASIA													
1979	43.0	69.2	8424	1565	2516	515.1	1519.0	2.8	13.4	46	5.5	1656	
1980	46.0	67.8	8634	1780	2623	538.5	1540.7	2.6	12.6	44	5.6	1702	
1981	51.4	69.1	8957	2029	2727	555.3	1562.5	2.5	12.4	44	5.7	1745	
1982	56.9	71.8	8587	2241	2830	567.1	1586.1	2.5	12.7	45	5.4	1784	
1983	59.9	72.9	8347	2435	2962	589.1	1609.3	2.5	12.4	45	5.2	1840	
1984	62.3	73.0	8373	2685	3148	603.1	1630.9	2.3	12.1	45	5.1	1930	
1985	67.0	76.2	8367	2922	3327	628.6	1652.1	2.3	12.1	46	5.1	2014	
1986	70.3	78.0	8621	3118	3460	662.8	1675.2	2.3	11.8	47	5.1	2066	
1987	72.5	78.0	8101	3407	3664	672.6	1701.2	2.1	11.6	46	4.8	2154	
1988	76.7	79.8	8145	3766	3920	692.5	1727.2	2.0	11.5	46	4.7	2269	
1989	83.2	83.2	8432	4117	4117	725.3	1752.4	2.0	11.5	47	4.8	2349	
EUROPE, ALL													
1979	298.5	479.8	9241	4620	7427	2404.8	790.2	6.5	20.0	607	11.7	9400	
1980	335.5	494.4	9271	5102	7517	2527.8	795.5	6.6	19.6	621	11.7	9449	
1981	372.0	500.0	9335	5611	7542	2623.0	800.9	6.6	19.1	624	11.7	9417	
1982	407.0	514.0	9392	6040	7629	2718.8	806.0	6.7	18.9	638	11.7	9465	
1983	430.4	523.4	9448	6390	7770	2761.1	811.1	6.7	19.0	645	11.6	9580	
1984	451.5	529.3	9448	6770	7937	2827.6	816.3	6.7	18.7	648	11.6	9723	
1985	474.1	539.7	9451	7106	8090	2897.4	821.6	6.7	18.6	657	11.5	9846	
1986	490.4	544.2	9466	7501	8324	2991.3	826.9	6.5	18.2	658	11.4	10070	
1987	516.0	554.9	9526	7920	8518	3048.8	832.4	6.5	18.2	667	11.4	10230	
1988	534.5	556.5	9400	8462	8809	3056.0	837.8	6.3	18.2	664	11.2	10510	
1989	535.5	535.5	8963	9032	9032	3102.1	842.8	5.9	17.3	635	10.6	10720	
—NATO EUROPE													
1979	79.4	127.6	3139	2319	3728	1388.2	324.7	3.4	9.2	393	9.7	11480	
1980	89.9	132.5	3175	2562	3776	1468.3	326.5	3.5	9.0	406	9.7	11560	
1981	100.1	134.5	3221	2810	3777	1525.7	328.4	3.6	8.8	410	9.8	11500	
1982	109.4	138.2	3257	3010	3802	1590.4	330.1	3.6	8.7	419	9.9	11520	
1983	116.8	142.0	3284	3180	3868	1633.7	331.7	3.7	8.7	428	9.9	11660	
1984	121.9	142.9	3295	3382	3965	1672.6	333.4	3.6	8.5	428	9.9	11890	
1985	127.3	144.9	3316	3572	4066	1701.0	335.2	3.6	8.5	432	9.9	12130	
1986	130.3	144.6	3356	3766	4179	1738.7	337.2	3.5	8.3	429	10.0	12390	
1987	137.2	147.6	3378	3990	4291	1761.9	339.3	3.4	8.4	435	10.0	12650	
1988	140.4	146.2	3348	4279	4455	1773.2	341.5	3.3	8.2	428	9.8	13050	
1989	147.4	147.4	3284	4610	4610	1794.9	343.8	3.2	8.2	429	9.6	13410	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP			
	Billion dollars			Billion dollars				Billion dollars				GNP	CGE	Constant 1989 dollars	Constant 1989 dollars
	Current	Constant 1989		Current	Constant 1989			Constant 1989	Millions			%	%	Soldiers	
—WARSAW PACT															
1979	206.7	332.3	5232	1769	2844	756.7	372.9	11.7	43.9	891	14.0	7627			
1980	231.5	341.2	5245	1946	2867	791.7	375.7	11.9	43.1	908	14.0	7630			
1981	256.3	344.6	5259	2149	2889	821.0	378.6	11.9	42.0	910	13.9	7629			
1982	280.5	354.3	5271	2332	2945	840.1	381.5	12.0	42.2	929	13.8	7720			
1983	295.6	359.4	5302	2473	3007	826.1	384.5	12.0	43.5	935	13.8	7822			
1984	310.9	364.5	5323	2606	3056	843.6	387.5	11.9	43.2	941	13.7	7885			
1985	327.1	372.4	5334	2708	3082	876.8	390.5	12.1	42.5	954	13.7	7893			
1986	339.9	377.2	5343	2865	3179	931.1	393.5	11.9	40.5	958	13.6	8079			
1987	357.4	384.4	5351	3001	3228	955.5	396.4	11.9	40.2	970	13.5	8144			
1988	372.4	387.7	5280	3189	3320	963.5	399.1	11.7	40.2	972	13.2	8319			
1989	365.7	365.7	4952	3349	3349	959.5	401.3	10.9	38.1	911	12.3	8344			
—OTHER EUROPE															
1979	12.4	20.0	870	532	855	259.9	92.6	2.3	7.7	216	9.4	9234			
1980	14.1	20.8	851	594	875	267.8	93.3	2.4	7.8	223	9.1	9378			
1981	15.5	20.9	855	652	877	276.3	93.9	2.4	7.6	223	9.1	9338			
1982	17.0	21.5	864	699	883	288.3	94.4	2.4	7.5	228	9.1	9346			
1983	18.0	21.9	861	736	895	301.3	94.9	2.4	7.3	231	9.1	9436			
1984	18.7	21.9	830	782	917	311.3	95.4	2.4	7.0	230	8.7	9614			
1985	19.7	22.5	801	827	941	319.6	95.8	2.4	7.0	234	8.4	9822			
1986	20.2	22.4	767	870	965	321.4	96.3	2.3	7.0	233	8.0	10030			
1987	21.3	22.9	797	929	999	331.4	96.7	2.3	6.9	237	8.2	10320			
1988	21.7	22.6	772	994	1035	319.2	97.2	2.2	7.1	233	7.9	10640			
1989	22.4	22.4	726	1072	1072	347.7	97.7	2.1	6.4	229	7.4	10980			
LATIN AMERICA															
1979	7.2	11.5	1491	499	802	177.0	350.3	1.4	6.5	33	4.3	2291			
1980	8.5	12.5	1561	576	849	203.7	358.5	1.5	6.1	35	4.4	2367			
1981	9.2	12.4	1617	626	842	222.2	366.9	1.5	5.6	34	4.4	2294			
1982	11.9	15.1	1687	652	824	240.2	374.7	1.8	6.3	40	4.5	2199			
1983	11.4	13.8	1746	653	794	235.9	383.1	1.7	5.9	36	4.6	2073			
1984	12.4	14.5	1798	704	825	224.7	391.5	1.8	6.5	37	4.6	2107			
1985	12.4	14.1	1814	760	866	277.8	400.1	1.6	5.1	35	4.5	2164			
1986	13.9	15.4	1835	818	908	289.4	408.5	1.7	5.3	38	4.5	2223			
1987	15.0	16.2	1880	878	944	343.4	417.1	1.7	4.7	39	4.5	2264			
1988	14.7	15.3	1574	908	945	373.7	425.8	1.6	4.1	36	3.7	2220			
1989	14.5	14.5	1601	956	956	377.6	434.6	1.5	3.8	33	3.7	2199			
MIDDLE EAST															
1979	36.1	58.0	1998	281	451	210.1	129.2	12.9	27.6	449	15.5	3491			
1980	43.6	64.2	1944	355	523	245.6	133.8	12.3	26.2	480	14.5	3912			
1981	51.7	69.5	1883	408	548	244.5	138.6	12.7	28.4	502	13.6	3956			
1982	61.1	77.2	1909	403	509	264.4	143.4	15.2	29.2	538	13.3	3546			
1983	68.1	82.8	2040	396	481	268.3	148.2	17.2	30.8	558	13.8	3246			
1984	68.8	80.7	2531	400	469	246.1	153.2	17.2	32.8	527	16.5	3062			
1985	67.5	76.8	2541	398	453	245.4	158.2	17.0	31.3	486	16.1	2861			
1986	60.8	67.5	2503	372	412	199.7	163.4	16.4	33.8	413	15.3	2523			
1987	56.9	61.2	2699	387	417	166.7	168.7	14.7	36.7	362	16.0	2470			
1988	53.8	56.0	3224	408	424	169.4	174.2	13.2	33.1	322	18.5	2437			
1989	53.2	53.2	3203	444	444	166.0	179.8	12.0	32.1	296	17.8	2471			

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Billion dollars			Billion dollars									Billion dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
NORTH AMERICA													
1979	126.7	203.6	2112	2752	4424	929.2	248.8	4.6	21.9	818	8.5	17780	
1980	149.2	219.8	2132	3002	4423	1006.8	251.8	5.0	21.8	873	8.5	17570	
1981	175.5	235.8	2182	3357	4513	1061.9	254.5	5.2	22.2	927	8.6	17730	
1982	203.0	256.4	2249	3479	4395	1095.2	257.1	5.8	23.4	997	8.7	17090	
1983	224.9	273.5	2282	3743	4552	1147.6	259.6	6.0	23.8	1054	8.8	17530	
1984	245.1	287.3	2304	4144	4858	1166.7	262.0	5.9	24.6	1097	8.8	18540	
1985	274.7	312.8	2327	4416	5027	1260.7	264.5	6.2	24.8	1183	8.8	19010	
1986	290.4	322.3	2354	4655	5165	1264.2	267.0	6.2	25.5	1207	8.8	19350	
1987	298.2	320.7	2365	4973	5349	1253.2	269.6	6.0	25.6	1190	8.8	19840	
1988	303.6	316.0	2334	5370	5590	1285.4	272.3	5.7	24.6	1161	8.6	20530	
1989	314.9	314.9	2329	5732	5732	1313.4	275.0	5.5	24.0	1145	8.5	20840	
OCEANIA													
1979	3.4	5.4	88	148	238	68.2	21.1	2.3	8.0	258	4.2	11290	
1980	3.7	5.5	89	165	243	67.9	21.4	2.3	8.1	258	4.2	11380	
1981	4.6	6.1	89	186	250	71.5	21.8	2.5	8.6	282	4.1	11490	
1982	5.1	6.4	90	197	249	73.0	22.1	2.6	8.8	291	4.1	11260	
1983	5.6	6.8	91	205	250	78.8	22.5	2.7	8.7	303	4.1	11100	
1984	6.1	7.1	90	226	265	84.9	22.8	2.7	8.4	313	3.9	11640	
1985	6.6	7.5	90	245	279	89.2	23.1	2.7	8.4	325	3.9	12070	
1986	6.8	7.5	89	256	284	91.6	23.5	2.7	8.2	320	3.8	12090	
1987	7.4	7.9	89	272	292	91.3	23.8	2.7	8.7	334	3.7	12300	
1988	7.0	7.3	90	289	301	86.8	24.1	2.4	8.4	302	3.7	12470	
1989	7.1	7.1	89	314	314	83.3	24.5	2.2	8.5	289	3.6	12850	
SOUTH ASIA													
1979	4.2	6.7	2082	124	200	37.9	887.2	3.4	17.7	8	2.3	225	
1980	4.8	7.0	1724	144	212	40.6	907.2	3.3	17.3	8	1.9	234	
1981	5.6	7.6	1817	168	226	42.3	927.9	3.4	17.9	8	2.0	243	
1982	6.6	8.4	1878	185	233	44.8	949.3	3.6	18.7	9	2.0	246	
1983	7.7	9.4	2034	204	248	47.8	971.0	3.8	19.6	10	2.1	256	
1984	8.4	9.9	2223	220	257	53.3	992.9	3.8	18.5	10	2.2	259	
1985	9.1	10.4	2351	240	273	60.7	1015.1	3.8	17.1	10	2.3	269	
1986	9.9	11.0	2270	257	285	67.6	1037.6	3.9	16.3	11	2.2	275	
1987	11.1	12.0	2289	277	298	68.5	1060.3	4.0	17.5	11	2.2	281	
1988	11.5	12.0	2084	311	324	73.6	1083.3	3.7	16.3	11	1.9	299	
1989	11.5	11.5	2017	337	337	75.4	1106.6	3.4	15.2	10	1.8	305	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Billion dollars			Billion dollars		Billion dollars		Constant 1989 dollars				
YEAR	Current	Constant 1989		Thousands	Current	Constant 1989		Constant 1989	Millions	%	%	Constant 1989 dollars
	BY ORGANIZATION ^a											
NATO, ALL												
1979	206.0	331.2	5251	5071	8152	2317.4	573.5	4.1	14.3	577	9.2	14210
1980	239.1	352.2	5307	5565	8199	2475.0	578.4	4.3	14.2	609	9.2	14180
1981	275.5	370.4	5402	6167	8290	2587.6	582.9	4.5	14.3	635	9.3	14220
1982	312.4	394.6	5506	6490	8196	2685.5	587.3	4.8	14.7	672	9.4	13960
1983	341.7	415.5	5566	6923	8419	2781.2	591.4	4.9	14.9	703	9.4	14240
1984	366.9	430.2	5599	7526	8823	2839.3	595.4	4.9	15.2	722	9.4	14820
1985	402.0	457.6	5643	7988	9093	2961.8	599.7	5.0	15.5	763	9.4	15160
1986	420.7	466.8	5710	8421	9345	3002.9	604.2	5.0	15.5	773	9.5	15470
1987	435.4	468.3	5743	8963	9640	3015.1	608.9	4.9	15.5	769	9.4	15830
1988	444.0	462.2	5682	9650	10050	3058.7	613.8	4.6	15.1	753	9.3	16370
1989	462.3	462.3	5613	10340	10340	3108.3	618.8	4.5	14.9	747	9.1	16710
WARSAW PACT												
1979	206.7	332.3	5232	1769	2844	756.7	372.9	11.7	43.9	891	14.0	7627
1980	231.5	341.2	5245	1946	2867	791.7	375.7	11.9	43.1	908	14.0	7630
1981	256.3	344.6	5259	2149	2889	821.0	378.6	11.9	42.0	910	13.9	7629
1982	280.5	354.3	5271	2332	2945	840.1	381.5	12.0	42.2	929	13.8	7720
1983	295.6	359.4	5302	2473	3007	826.1	384.5	12.0	43.5	935	13.8	7822
1984	310.9	364.5	5323	2606	3056	843.6	387.5	11.9	43.2	941	13.7	7885
1985	327.1	372.4	5334	2708	3082	876.8	390.5	12.1	42.5	954	13.7	7893
1986	339.9	377.2	5343	2865	3179	931.1	393.5	11.9	40.5	958	13.6	8079
1987	357.4	384.4	5351	3001	3228	955.5	396.4	11.9	40.2	970	13.5	8144
1988	372.4	387.7	5280	3189	3320	963.5	399.1	11.7	40.2	972	13.2	8319
1989	365.7	365.7	4952	3349	3349	959.5	401.3	10.9	38.1	911	12.3	8344
OPEC												
1979	29.7	47.8	1627	337	542	195.5	345.2	8.8	24.5	139	4.7	1570
1980	35.8	52.7	1525	418	617	228.6	355.9	8.6	23.1	148	4.3	1732
1981	45.0	60.4	1454	469	630	231.7	366.8	9.6	26.1	165	4.0	1718
1982	50.9	64.3	1485	460	581	238.3	377.7	11.1	27.0	170	3.9	1539
1983	56.0	68.1	1541	452	550	237.1	387.6	12.4	28.7	176	4.0	1420
1984	55.9	65.5	2063	458	537	213.4	397.9	12.2	30.7	165	5.2	1349
1985	54.1	61.6	2077	462	526	220.8	408.9	11.7	27.9	151	5.1	1287
1986	49.5	54.9	2102	441	490	186.3	419.6	11.2	29.5	131	5.0	1167
1987	46.5	50.0	2207	457	492	158.9	431.0	10.2	31.5	116	5.1	1141
1988	44.8	46.6	2532	477	497	160.6	442.5	9.4	29.0	105	5.7	1123
1989	46.3	46.3	2491	519	519	156.9	454.3	8.9	29.5	102	5.5	1143
OECD												
1979	231.2	371.6	6128	6877	11060	2979.8	774.5	3.4	12.5	480	7.9	14280
1980	267.4	394.0	6177	7606	11210	3168.6	780.8	3.5	12.4	505	7.9	14350
1981	307.8	413.7	6281	8464	11380	3309.7	786.9	3.6	12.5	526	8.0	14460
1982	348.5	440.2	6396	8988	11350	3431.3	792.7	3.9	12.8	555	8.1	14320
1983	380.9	463.2	6452	9586	11660	3559.3	798.1	4.0	13.0	580	8.1	14610
1984	408.7	479.2	6453	10410	12210	3639.1	803.4	3.9	13.2	596	8.0	15190
1985	446.9	508.7	6467	11090	12630	3782.5	808.9	4.0	13.4	629	8.0	15610
1986	467.5	518.8	6529	11680	12960	3833.2	814.6	4.0	13.5	637	8.0	15910
1987	485.7	522.4	6591	12470	13410	3868.4	820.3	3.9	13.5	637	8.0	16350
1988	496.0	516.4	6510	13450	14010	3907.7	826.3	3.7	13.2	625	7.9	16950
1989	517.8	517.8	6399	14480	14480	3996.8	832.4	3.6	13.0	622	7.7	17400

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME — GNP	ME — CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars
BY COUNTRY												
Afghanistan												
1979	157 E	252 E	89	2583	4152	551	15.6	6.1	45.7	16	5.7	267
1980	167 E	245 E	43	2731	4024	762	15.0	6.1	32.2	16	2.9	269
1981	157 E	212 E	45	3076	4135	780	14.1	5.1	27.1	15	3.2	294
1982	147 E	186 E	55	3131 E	3955 E	587	13.6	4.7	31.7	14	4.0	290
1983	202 E	246 E	75	3142 E	3821 E	391 E	13.7	6.4	62.9	18	5.5	279
1984	279 E	327 E	60	3078 E	3609 E	508 E	13.8	9.1	64.4	24	4.3	261
1985	NA	NA	55	2918 E	3322 E	NA	13.9	NA	NA	NA	4.0	239
1986	NA	NA	60 E	2774 E	3079	NA	14.0	NA	NA	NA	4.3	220
1987	NA	NA	55 E	NA	NA	NA	14.2	NA	NA	NA	3.9	NA
1988	NA	NA	55	NA	NA	NA	14.5	NA	NA	NA	3.8	NA
1989	NA	NA	55	NA	NA	NA	14.8	NA	NA	NA	3.7	NA
Albania												
1979	NA	NA	45	NA	NA	NA	2.6	NA	NA	NA	17.3	NA
1980	NA	NA	46	NA	NA	NA	2.7	NA	NA	NA	17.2	NA
1981	134	180	41	NA	NA	1570	2.7	NA	11.5	66	15.1	NA
1982	134	169	42	NA	NA	NA	2.8	NA	NA	61	15.0	NA
1983	130	158	42	NA	NA	1520	2.8	NA	10.4	56	14.8	NA
1984	143	168	42	NA	NA	1524	2.9	NA	11.0	58	14.3	NA
1985	143	163	42	2700	3074	1491	3.0	5.3	10.9	55	14.1	1037
1986	NA	NA	42	2800	3107	NA	3.0	NA	NA	NA	13.9	1028
1987	151 E	162 E	42	2940 E	3162 E	1463 E	3.1	5.1	11.1	53	13.7	1026
1988	157 E	163 E	42	3087 E	3214 E	1434 E	3.1	5.1	11.4	52	13.3	1021
1989	157 E	157 E	43	3800 E	3800 E	NA	3.2	4.1	NA	49	13.5	1184
Algeria												
	E,b	E,b										
1979	846	1361	88	21650	34800	9508	18.3	3.9	14.3	74	4.8	1905
1980	940	1385	101	23940	35270	10070	18.9	3.9	13.8	73	5.4	1870
1981	1383	1859	101	27000	36300	11480	19.5	5.1	16.2	95	5.2	1863
1982	1426	1802	120	30580	38620	13890	20.1	4.7	13.0	89	6.0	1919
1983	1137	1383	130	33610	40880	15720	20.8	3.4	8.8	66	6.2	1965
1984	1242	1456	170	36790	43130	17440	21.5	3.4	8.3	68	7.9	2007
1985	1040	1183	170	40020	45550	18840	22.2	2.6	6.3	53	7.7	2054
1986	1271	1411	180	41530	46090	18850	22.8	3.1	7.5	62	7.9	2018
1987	1264	1359	170	42590	45800	17790	23.5	3.0	7.6	58	7.2	1950
1988	1595	1660	126	42390	44130	17480	24.1	3.8	9.5	69	5.2	1831
1989	2313	2313	126	45290	45290	NA	24.7	5.1	NA	94	5.1	1831
Angola												
1979	NA	NA	47	2048	3292	NA	6.5	NA	NA	NA	7.2	507
1980	NA	NA	47	2360	3477	NA	6.8	NA	NA	NA	6.9	512
1981	NA	NA	53	2534	3406	NA	7.0	NA	NA	NA	7.6	490
1982	NA	NA	54	2843	3591	2729 E	7.1	NA	NA	NA	7.6	505
1983	535 E	651 E	54	3037	3693	2264 E	7.3	17.6	28.8	90	7.4	509
1984	NA	NA	60 E	3799	4454	NA	7.4	NA	NA	NA	8.1	602
1985	NA	NA	66 E	4018	4575	NA	7.6	NA	NA	NA	8.7	604
1986	1127 E	1250 E	70 E	4710	5227	NA	7.7	23.9	NA	161	9.0	674
1987	NA	NA	74 E	5581	6003	NA	7.9	NA	NA	NA	9.4	759
1988	NA	NA	107	5861	6101	3322 E	8.1	NA	NA	NA	13.2	754
1989	NA	NA	107	6031	6031	NA	8.3	NA	NA	NA	12.9	727

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars
Argentina												
1979	1269	2039	155	39960	64230	12360	27.8	3.2	16.5	73	5.6	2312
1980	1559	2296	155	43870	64630	13570	28.2	3.6	16.9	81	5.5	2289
1981	1647	2214	155	43370	58300	14980	28.7	3.8	14.8	77	5.4	2033
1982	2793	3527	175	43080	54410	13620	29.1	6.5	25.9	121	6.0	1869
1983	2112	2569	175	45720	55600	17180	29.5	4.6	14.9	87	5.9	1883
1984	2347 E	2751 E	174	48670	57060	12240	29.9	4.8	22.5	92	5.8	1906
1985	1847 E	2103 E	129	48480	55190	17000	30.4	3.8	12.4	69	4.3	1818
1986	2075 E	2302 E	104	53360	59210	14470	30.8	3.9	15.9	75	3.4	1926
1987	2017	2169	118	56240	60490	14540	31.1	3.6	14.9	70	3.8	1942
1988	1989	2070	95	56460	58780	9364	31.5	3.5	22.1	66	3.0	1864
1989	1858	1858	95	54080	54080	NA	31.9	3.4	NA	58	3.0	1694
Australia												
1979	2969	4774	70	124700	200500	52660	14.4	2.4	9.1	331	4.9	13900
1980	3226	4753	71	139400	205400	51850	14.6	2.3	9.2	325	4.9	14050
1981	3931	5285	72	157100	211200	54110	14.9	2.5	9.8	354	4.8	14150
1982	4408	5568	73	166400	210200	55430	15.2	2.6	10.0	367	4.8	13850
1983	4924	5988	73	172900	210300	60770	15.4	2.8	9.9	389	4.7	13660
1984	5362	6286	71	191700	224700	65980	15.6	2.8	9.5	404	4.6	14420
1985	5856	6666	70	207500	236200	70320	15.8	2.8	9.5	422	4.4	14960
1986	5946	6599	71	217300	241100	72050	16.0	2.7	9.2	412	4.4	15050
1987	6543	7038	70	232700	250300	72040	16.2	2.8	9.8	433	4.3	15410
1988	6093	6342	71	247600	257800	69160	16.5	2.5	9.2	385	4.3	15650
1989	6153	6153	70	270800	270800	66620 E	16.7	2.3	9.2	368	4.2	16220
Austria												
1979	760	1222	40	63620	102300	39700	7.5	1.2	3.1	162	5.3	13550
1980	820	1208	40	71450	105300	40670	7.5	1.1	3.0	160	5.3	13950
1981	891	1197	40	78110	105000	41660	7.6	1.1	2.9	158	5.3	13880
1982	1057 E	1336 E	40	84090	106200	42730	7.6	1.3	3.1	176	5.3	14020
1983	1194 E	1452 E	50	89080	108300	44520	7.6	1.3	3.3	192	6.6	14350
1984	1255 E	1472 E	40	93720	109900	44680	7.6	1.3	3.3	195	5.3	14550
1985	1322 E	1505 E	40	99040	112700	45390	7.6	1.3	3.3	199	5.3	14920
1986	1402 E	1556 E	39	102400	113700	47170	7.6	1.4	3.3	206	5.2	15020
1987	1323	1423	70	107700	115800	47340	7.6	1.2	3.0	188	9.2	15290
1988	1310	1364	55	115900	120600	49320	7.6	1.1	2.8	180	7.2	15880
1989	1402	1402	48	125200	125200	49340	7.6	1.1	2.8	184	6.3	16430
Bahrain												
					E							
1979	143	231	2	2230	3584	1207	0.3	6.4	19.1	686	6.0	10670
1980	157	232	2	2957	4357	1480	0.3	5.3	15.7	668	5.8	12530
1981	215	289	2	3429	4609	1523	0.4	6.3	19.0	794	5.5	12680
1982	281	354	2	3546	4478	1754	0.4	7.9	20.2	932	5.3	11780
1983	166	202	2	3574	4347	1898	0.4	4.6	10.6	507	5.0	10930
1984	148	173	3	3754	4401	1703	0.4	3.9	10.2	417	7.2	10590
1985	151	171	3	3414	3886	1598	0.4	4.4	10.7	396	6.9	8977
1986	161	178	4 E	2887	3203	1511	0.4	5.6	11.8	396	7.8	7122
1987	160	173	4 E	2884	3102	1534	0.5	5.6	11.2	369	8.6	6642
1988	187	195	5	2913	3032	967	0.5	6.4	20.2	402	10.3	6256
1989	196	196	5	2999 E	2999	1491	0.5	6.5	13.1	389	10.1	5966

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Thousands	Current	Constant 1989	Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars	
Bangladesh													
1979	129	208	120	8994	14460	1947	85.5	1.4	10.7	2	1.4	169	
1980	146	215	71	9970	14690	1712	88.1	1.5	12.6	2	0.8	167	
1981	177	238	77	11640	15650	2518	90.7	1.5	9.4	3	0.8	173	
1982	213	269	77	12420	15690	2271	93.5	1.7	11.9	3	0.8	168	
1983	288	351	81	13350	16230	2002	96.2	2.2	17.5	4	0.8	169	
1984	275	323	91	14490	16990	2023	98.8	1.9	16.0	3	0.9	172	
1985	262	298	91	15460	17600	2294	101.4	1.7	13.0	3	0.9	174	
1986	283	314	95	16610	18430	NA	103.8	1.7	NA	3	0.9	178	
1987	326	351	100 E	17810	19150	NA	106.3	1.8	NA	3	0.9	180	
1988	NA	NA	102 E	18780	19550	NA	108.8	NA	NA	NA	0.9	180	
1989	323	323	103	20020	20020	2139	111.3	1.6	15.1	3	0.9	180	
Barbados													
1979	3	5	2	883	1419	420	0.2	0.4	1.3	22	8.0	5711	
1980	12	17	1	1014	1494	476	0.3	1.1	3.6	67	4.0	5928	
1981	12	17	1	1073	1442	486	0.3	1.1	3.4	66	4.0	5727	
1982	9	11	1	1081	1366	446	0.3	0.8	2.5	45	4.0	5418	
1983	10	12	1	1112	1352	430	0.3	0.9	2.8	47	4.0	5352	
1984	12	14	1	1198	1404	466	0.3	1.0	2.9	54	3.9	5545	
1985	13	14	1	1244	1416	485	0.3	1.0	3.0	57	3.9	5580	
1986	9	10	1	1393	1546	514	0.3	0.6	1.8	37	2.0	6082	
1987	8	9	1	1440	1549	580	0.3	0.6	1.6	36	2.0	6091	
1988	11	11	NA	1579	1644	601	0.3	0.7	1.9	44	NA	6464	
1989	10	10	0	1669	1669	536	0.3	0.6	1.8	38	1.4	6562	
Belgium													
1979	2580	4148	107	79010	127000	64130	9.8	3.3	6.5	422	10.9	12910	
1980	2951	4348	108	89420	131800	67340	9.8	3.3	6.5	442	11.0	13380	
1981	3351	4504	110	97060	130500	73290	9.9	3.5	6.1	457	11.1	13240	
1982	3500	4420	109	104200	131600	74140	9.9	3.4	6.0	448	11.0	13350	
1983	3560	4329	109	108600	132100	75280	9.9	3.3	5.7	439	11.1	13400	
1984	3567	4181	107	115200	135000	79320	9.9	3.1	5.3	424	10.9	13700	
1985	3592	4089	107	119400	135900	77760	9.9	3.0	5.3	415	10.9	13780	
1986	3752	4163	107	124900	138600	75870	9.9	3.0	5.5	422	10.8	14060	
1987	3879	4172	109	131700	141700	74540	9.9	2.9	5.6	423	11.0	14350	
1988	3811	3968	110	141800	147600	75860	9.9	2.7	5.2	401	11.1	14930	
1989	3881	3881	110	154600	154600	53690 E	9.9	2.5	7.2	392	11.1	15620	
Benin													
1979	14	23	4	791	1272	290	3.4	1.8	8.0	7	1.2	379	
1980	19	27	4	919	1354	277	3.4	2.0	9.9	8	1.2	393	
1981	34	45	6	1099	1478	309	3.5	3.0	14.6	13	1.7	417	
1982	NA	NA	6	1256	1587	402	3.6	NA	NA	NA	1.6	436	
1983	36	44	6	1267	1540	NA	3.7	2.8	NA	12	1.6	411	
1984	35	41	6	1339	1570	398	3.9	2.6	10.2	11	1.6	406	
1985	NA	NA	6	1451	1652	NA	4.0	NA	NA	NA	1.5	415	
1986	30	33	4	1476	1638	NA	4.1	2.0	NA	8	1.0	399	
1987	NA	NA	4	1464	1575	303 E	4.2	NA	NA	NA	0.9	371	
1988	34	36	5	1551	1615	202	4.4	2.2	17.7	8	1.1	369	
1989	33	33	5	1637	1637	168	4.5	2.0	19.4	7	1.0	362	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars
Bolivia												
1979	65	105	20	2842	4568	630	5.3	2.3	16.6	20	3.8	862
1980	83	122	24	3017	4446	679	5.4	2.7	18.0	22	4.4	818
1981	108	145	26	3318	4460	639	5.6	3.3	22.7	26	4.7	800
1982	59	75	26	3338	4217	1009	5.7	1.8	7.4	13	4.5	738
1983	41	49	27	3257	3961	460	5.9	1.2	10.7	8	4.6	675
1984	73	86	28	3392	3976	1588	6.0	2.2	5.4	14	4.7	661
1985	NA	NA	28	3442	3918	NA	6.2	NA	NA	NA	4.5	635
1986	124 E	138 E	30 E	3456	3835	611	6.3	3.6	22.6	22	4.7	606
1987	141 E	152 E	30 E	3658	3934	573	6.5	3.9	26.6	23	4.6	606
1988	157 E	163 E	28	3929	4090	653	6.7	4.0	25.0	25	4.2	614
1989	182 E	182 E	30	4226	4226	717	6.8	4.3	25.3	27	4.4	619
Botswana												
1979	22	36	2	475	764	360	0.9	4.7	9.9	41	2.3	883
1980	24	35	3	603	888	411	0.9	3.9	8.5	39	3.3	984
1981	26	34	3	752	1011	437	0.9	3.4	7.9	37	3.2	1079
1982	24	30	3	799	1010	527	1.0	3.0	5.8	32	3.1	1046
1983	28	34	3	1001	1217	553	1.0	2.8	6.2	34	3.0	1223
1984	38	45	3	1193	1399	748	1.0	3.2	6.0	43	2.9	1364
1985	38	43	3	1272	1448	743	1.1	3.0	5.8	41	2.8	1369
1986	54	60	4	1475	1637	812	1.1	3.7	7.4	55	3.7	1502
1987	102	110	4	1626	1749	1013	1.1	6.3	10.9	98	3.6	1557
1988	115	119	4	1844	1920	1138	1.2	6.2	10.5	103	3.5	1660
1989	62 E	62 E	6	2188	2188	1035 E	1.2	2.8	6.0	52	5.0	1838
Brazil												
1979	1655	2661	450	219800	353400	83900	119.9	0.8	3.2	22	3.8	2948
1980	1899	2799	450	260600	384000	99090	122.9	0.7	2.8	23	3.7	3124
1981	1955	2627	450	270300	363300	102500	126.1	0.7	2.6	21	3.6	2882
1982	2666	3367	460	285700	360900	104700	129.1	0.9	3.2	26	3.6	2795
1983	2531	3078	460	285000	346600	111700	132.2	0.9	2.8	23	3.5	2622
1984	2561	3002	459	311200	364900	108500	135.1	0.8	2.8	22	3.4	2700
1985	2793	3180	496	348600	396900	154600	138.1	0.8	2.1	23	3.6	2874
1986	3597	3992	527	388400	431100	160200	141.0	0.9	2.5	28	3.7	3058
1987	4185	4502	541	419000	450700	212000	143.9	1.0	2.1	31	3.8	3133
1988	5731	5966	319	430500	448200	256000	146.8	1.3	2.3	41	2.2	3054
1989	NA	NA	319	462300	462300	NA	149.6	NA	NA	NA	2.1	3090
Bulgaria												
	E	E						C	C			
1979	3570	5739	187	28870	46400	17320	8.8	12.4	33.1	651	21.2	5266
1980	3993	5883	188	30570	45040	16930	8.8	13.1	34.8	665	21.2	5093
1981	4416	5936	188	34420	46270	19470	8.9	12.8	30.5	669	21.2	5217
1982	5152	6507	188	37810	47760	20160	8.9	13.6	32.3	732	21.1	5371
1983	5343	6498	189	38540	46870	19470	8.9	13.9	33.4	729	21.2	5261
1984	5510	6460	189	41270	48380	20000	8.9	13.4	32.3	724	21.2	5419
1985	5808	6612	189	41220	46920	20320	8.9	14.1	32.5	739	21.2	5246
1986	6215	6897	190	43410	48180	23850	9.0	14.3	28.9	770	21.2	5378
1987	6451	6938	191	44870	48260	23540	9.0	14.4	29.5	773	21.3	5379
1988	5868	6109	160	47970	49940	19690	9.0	12.2	31.0	680	17.8	5560
1989	5885	5885	150	49590	49590	19800	9.0	11.9	29.7	656	16.7	5530

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				GNP	CGE	PER CAPITA		
	Current	Constant 1989		Current	Constant 1989	Constant 1989		%	%	Constant 1989 dollars		Constant 1989 dollars
Burkina Faso (formerly Upper Volta)												
1979	22	35	4	1037	1668	209	6.8	2.1	16.5	5	0.6	246
1980	24	35	5	1144	1686	198	6.9	2.1	17.7	5	0.7	243
1981	28	38	8	1304	1753	220	7.1	2.2	17.3	5	1.1	247
1982	32	41	9	1517	1917	229	7.3	2.1	17.8	6	1.2	263
1983	33	40	9	1582	1923	193	7.5	2.1	20.7	5	1.2	258
1984	34	40	9	1616	1894	225	7.7	2.1	17.7	5	1.2	247
1985	35	40	9	1836	2090	212	7.9	1.9	18.7	5	1.1	266
1986	53	59	9 E	2048	2273	267	8.1	2.6	22.1	7	1.1	281
1987	45	49	9	2156	2319	281	8.3	2.1	17.3	6	1.1	279
1988	52	54	8	2437	2537	307	8.6	2.1	17.5	6	0.9	297
1989	NA	NA	8	2552	2552	NA	8.8	NA	NA	NA	0.9	290
Burma												
1979	296	476	212	8284	13320	1955	32.8	3.6	24.4	15	6.5	406
1980	340	502	179	9754	14370	2287	33.5	3.5	21.9	15	5.3	429
1981	407	547	210	11370	15290	2456	34.2	3.6	22.3	16	6.1	446
1982	412	520	210	12770	16130	2695	35.0	3.2	19.3	15	6.0	461
1983	429	522	210	13730	16700	2621	35.7	3.1	19.9	15	5.9	468
1984	442	518	210	14880	17450	2708	36.5	3.0	19.1	14	5.8	479
1985	483	550	210	15750	17930	2800	37.2	3.1	19.6	15	5.6	482
1986	476 E	528 E	210 E	15980	17730	2845	38.0	3.0	18.6	14	5.5	466
1987	482 E	518 E	210 E	15880	17080	2326	38.8	3.0	22.3	13	5.4	440
1988	436 E	454 E	186	14590	15190	1847	39.6	3.0	24.6	11	4.7	383
1989	611 E	611 E	200	16330	16330	NA	40.4	3.7	NA	15	4.9	404
Burundi												
1979	12	20	7	434	698	163	4.0	2.9	12.3	5	1.7	174
1980	19	28	7	481	709	155	4.1	3.9	17.8	7	1.7	171
1981	24	32	7	591	795	196	4.2	4.0	16.2	8	1.7	189
1982	23	28	7	607	766	192	4.3	3.7	14.8	7	1.6	176
1983	25	30	7	675	821	193	4.5	3.7	15.7	7	1.5	181
1984	23	27	8 E	698	818	112	4.7	3.3	23.8	6	1.7	175
1985	24	27	9 E	802	914	129	4.8	2.9	20.8	6	1.9	190
1986	29	32	10 E	841	933	136	5.0	3.4	23.3	6	2.0	188
1987	30	33	10 E	921	991	156	5.1	3.3	21.0	6	1.9	193
1988	NA	NA	11	1001	1043	166	5.3	NA	NA	NA	2.1	197
1989	28	28	11	1058	1058	195	5.5	2.6	14.2	5	2.0	194
Cambodia												
1979	NA	NA	NA	NA	NA	NA	5.8	NA	NA	NA	NA	NA
1980	NA	NA	35	NA	NA	NA	5.7	NA	NA	NA	6.1	NA
1981	NA	NA	20	600 E	807 E	269 E	5.8	NA	NA	NA	3.5	140
1982	NA	NA	20	NA	NA	NA	5.9	NA	NA	NA	3.4	NA
1983	NA	NA	20	NA	NA	NA	6.0	NA	NA	NA	3.3	NA
1984	NA	NA	30	NA	NA	NA	6.1	NA	NA	NA	4.9	NA
1985	NA	NA	35	NA	NA	NA	6.2	NA	NA	NA	5.6	NA
1986	NA	NA	40 E	NA	NA	NA	6.4	NA	NA	NA	6.3	NA
1987	NA	NA	50 E	NA	NA	NA	6.5	NA	NA	NA	7.7	NA
1988	NA	NA	60	NA	NA	NA	6.7	NA	NA	NA	9.0	NA
1989	NA	NA	99	NA	NA	NA	6.8	NA	NA	NA	14.5	NA

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989					Constant 1989	Millions	%
Cameroon												
1979	67	107	11	4489	7217	1179	8.3	1.5	9.1	13	1.3	867
1980	79	116	11	5555	8185	1282	8.6	1.4	9.1	14	1.3	954
1981	72	97	14	6877	9244	1915	8.8	1.0	5.0	11	1.6	1049
1982	82	104	14	7735	9770	2018	9.0	1.1	5.1	12	1.6	1086
1983	174	212	15	8665	10540	2576	9.2	2.0	8.2	23	1.6	1142
1984	183	214	15	9491	11130	2700	9.5	1.9	7.9	23	1.6	1174
1985	209	238	15	10520	11980	2849	9.7	2.0	8.3	24	1.5	1230
1986	244 E	270 E	15	11770	13060	2993	10.0	2.1	9.0	27	1.5	1303
1987	224	241	15 E	11720	12600	2876	10.3	1.9	8.4	23	1.5	1224
1988	160	166	21	11260	11720	NA	10.6	1.4	NA	16	1.9	1109
1989	148	148	21	11100	11100	2232	10.8	1.3	6.6	14	1.9	1025
Canada												
1979	4377	7036	79	244000	392200	85720	23.8	1.8	8.2	296	3.3	16490
1980	5176	7626	82	270200	398000	89900	24.1	1.9	8.5	317	3.4	16540
1981	5563	7477	81	304800	409800	95960	24.4	1.8	7.8	307	3.3	16820
1982	6632	8377	81	313400	395900	102900	24.6	2.1	8.1	340	3.3	16090
1983	6918	8413	81	337200	410100	106600	24.8	2.1	7.9	339	3.3	16530
1984	8031	9415	82	371600	435700	115300	25.0	2.2	8.2	377	3.3	17430
1985	8943	10180	83	401300	456900	118000	25.2	2.2	8.6	404	3.3	18140
1986	9509	10550	85	423100	469500	114800	25.4	2.2	9.2	416	3.4	18500
1987	10040	10800	86	457500	492000	115800	25.6	2.2	9.3	421	3.4	19190
1988	10500	10930	88	496500	516800	121400	25.9	2.1	9.0	422	3.4	19930
1989	10840	10840	88	531000	531000	123000	26.2	2.0	8.8	413	3.4	20240
Cape Verde												
1979	NA	NA	4	75	120	NA	0.3	NA	NA	NA	13.7	412
1980	12	18	4	117	172	107	0.3	10.4	16.8	61	13.5	583
1981	15	20	4	135	181	147	0.3	10.9	13.5	66	13.3	602
1982	NA	NA	4	149	188	NA	0.3	NA	NA	NA	13.0	612
1983	NA	NA	4	167	204	NA	0.3	NA	NA	NA	12.8	651
1984	NA	NA	6	180	212	NA	0.3	NA	NA	NA	18.8	662
1985	NA	NA	6	203	231	NA	0.3	NA	NA	NA	18.3	706
1986	NA	NA	4	216	240	NA	0.3	NA	NA	NA	11.9	714
1987	NA	NA	4	239	257	NA	0.3	NA	NA	NA	11.6	747
1988	NA	NA	3	257	268	NA	0.4	NA	NA	NA	8.5	757
1989	NA	NA	3	282	282	278 E	0.4	NA	NA	NA	8.2	775
Central African Republic												
1979	13	20	4	631	1014	187	2.2	2.0	10.9	9	1.8	457
1980	14	20	4	663	976	176	2.3	2.0	11.3	9	1.8	430
1981	16	21	4	713	958	212	2.3	2.2	10.1	9	1.7	413
1982	16	20	5	798	1008	NA	2.4	2.0	NA	8	2.1	425
1983	15	18	4	772	939	NA	2.4	1.9	NA	7	1.6	387
1984	NA	NA	5	871	1021	251	2.5	NA	NA	NA	2.0	408
1985	NA	NA	5	928	1057	296	2.6	NA	NA	NA	1.9	411
1986	NA	NA	5	957	1062	278	2.6	NA	NA	NA	1.9	405
1987	17 E	18 E	5	957	1030	283	2.7	1.8	6.4	7	1.9	385
1988	NA	NA	5	1005	1046	268	2.7	NA	NA	NA	1.9	382
1989	18	18	5	1088	1088	274 E	2.8	1.7	6.6	6	1.8	388

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Current	Constant 1989	Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars		
Chad													
1979	16	25	NA	395	635	87	4.1	4.0	29.0	6	NA	156	
1980	NA	NA	NA	407	600	NA	4.0	NA	NA	NA	NA	149	
1981	NA	NA	NA	453	609	NA	4.1	NA	NA	NA	NA	149	
1982	NA	NA	NA	508	641	NA	4.3	NA	NA	NA	NA	150	
1983	7	8	NA	608	739	46 E	4.4	1.1	18.1	2	NA	167	
1984	9	10	16	637	747	44 E	4.4	1.4	23.0	2	3.6	169	
1985	14	16	16	805	916	49 E	4.4	1.7	32.3	4	3.6	207	
1986	29	32	22	788	875	86	4.5	3.6	37.1	7	4.9	194	
1987	34	36	30	785	845	90	4.6	4.3	40.1	8	6.5	182	
1988	NA	NA	33	954	993	83	4.8	NA	NA	NA	6.9	208	
1989	NA	NA	33	1002	1002	NA	4.9	NA	NA	NA	6.7	205	
Chile													
1979	387	622	111	10720	17240	3758	10.9	3.6	16.6	57	10.2	1578	
1980	449	662	116	12570	18520	3853	11.1	3.6	17.2	60	10.5	1670	
1981	538	723	116	14320	19250	4329	11.3	3.8	16.7	64	10.3	1706	
1982	536	677	116	12720	16060	3908	11.5	4.2	17.3	59	10.1	1398	
1983	549	667	126	13110	15950	3829	11.7	4.2	17.4	57	10.8	1364	
1984	591	693	123	14130	16570	4134	11.9	4.2	16.8	58	10.4	1395	
1985	619	704	124	15240	17350	4417	12.1	4.1	15.9	58	10.3	1438	
1986	596	662	127	16530	18340	4322	12.3	3.6	15.3	54	10.3	1496	
1987	820 E	882 E	127	18400	19790	4439	12.5	4.5	19.9	71	10.1	1588	
1988	803 E	836 E	96	20220	21050	6600	12.7	4.0	12.7	66	7.6	1661	
1989	790 E	790 E	95	23300	23300	NA	12.9	3.4	NA	61	7.4	1809	
China													
—Mainland													
1979	16770	26950	4600	160500	258100	82090	971.8	10.4	32.8	28	4.7	266	
1980	16370	24120	4650	186400	274600	74420	983.4	8.8	32.4	25	4.7	279	
1981	17590	23640	4750	214300	288000	67210	994.9	8.2	35.2	24	4.8	289	
1982	18830	23780	4350	247000	312000	69330	1008.2	7.6	34.3	24	4.3	309	
1983	19100	23220	4100	282200	343100	76490	1020.9	6.8	30.4	23	4.0	336	
1984	19280	22600	4100	332400	389700	86740	1032.0	5.8	26.1	22	4.0	378	
1985	19850	22600	4100	386300	439800	94900	1042.9	5.1	23.8	22	3.9	422	
1986	19800	21970	4030	427700	474600	113800	1055.6	4.6	19.3	21	3.8	450	
1987	20480	22030	3530	486400	523100	113100	1071.3	4.2	19.5	21	3.3	488	
1988	21830	22720	3783	559100	582000	113900	1087.2	3.9	20.0	21	3.5	535	
1989	22330	22330	3903	603500	603500	117100	1102.4	3.7	19.1	20	3.5	547	
—Taiwan													
1979	2824	4539	468	42540	68390	15190	17.5	6.6	29.9	260	26.8	3919	
1980	3222	4748	465	49720	73250	16950	17.8	6.5	28.0	266	26.1	4104	
1981	3691	4962	461	57630	77470	NA	18.2	6.4	NA	273	25.3	4260	
1982	4886	6171	457	63820	80610	13180	18.5	7.7	46.8	333	24.7	4353	
1983	5604	6815	454	72020	87580	14090	18.8	7.8	48.4	362	24.1	4651	
1984	5326	6244	470	83360	97730	13330	19.1	6.4	46.8	326	24.6	5110	
1985	6377 E	7260 E	440	90620	103200	14520 E	19.4	7.0	50.0	374	22.7	5317	
1986	6790 E	7535 E	390	104600	116100	15070 E	19.6	6.5	50.0	384	19.9	5911	
1987	5498 E	5913 E	365	120800	129900	14240 E	19.9	4.6	41.5	298	18.4	6537	
1988	6607 E	6877 E	390	134600	140100	21940	20.1	4.9	31.3	342	19.4	6969	
1989	8060 E	8060 E	379	150200	150200	26560	20.3	5.4	30.3	397	18.6	7390	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				Million dollars	GNP	CGE		PER CAPITA
YEAR	Current	Constant 1989		Thousands	Current			Constant 1989	Constant 1989	Millions		%
Colombia												
1979	165	265	60	17050	27410	3438	26.0	1.0	7.7	10	2.3	1053
1980	208	306	60	19420	28620	3952	26.6	1.1	7.7	12	2.3	1077
1981	219	294	65	21650	29110	4277	27.2	1.0	6.9	11	2.4	1072
1982	344	434	70	23050	29120	4752	27.8	1.5	9.1	16	2.5	1049
1983	322	392	70	24230	29460	4688	28.4	1.3	8.4	14	2.5	1038
1984	364	427	70	25730	30160	4778	29.0	1.4	8.9	15	2.4	1039
1985	424 E	482 E	66	27250	31020	4798	29.7	1.6	10.1	16	2.2	1046
1986	425 E	472 E	76 E	29230	32440	4642	30.3	1.5	10.2	16	2.5	1070
1987	495 E	533 E	86 E	31770	34170	5012	31.0	1.6	10.6	17	2.8	1102
1988	614 E	640 E	76	34050	35440	4454	31.7	1.8	14.4	20	2.4	1118
1989	758 E	758 E	91	36890	36890	4627	32.4	2.1	16.4	23	2.8	1139
Congo												
1979	NA	NA	16	706	1135	NA	1.6	NA	NA	NA	10.2	726
1980	35	51	16	882	1299	713	1.6	4.0	7.2	32	9.9	802
1981	40	54	14	1170	1572	673	1.7	3.5	8.1	32	8.3	936
1982	63	79	11	1506	1902	1036	1.7	4.2	7.6	45	6.3	1092
1983	61	74	11	1645	2001	848	1.8	3.7	8.7	41	6.1	1107
1984	NA	NA	15	1791	2099	994	1.9	NA	NA	NA	8.0	1115
1985	73 E	84 E	15	1819	2070	909	1.9	4.0	9.2	43	7.7	1069
1986	115 E	128 E	13	1780	1975	1136	2.0	6.5	11.2	64	6.5	991
1987	95 E	102 E	14	1844	1983	817	2.1	5.1	12.5	50	6.8	966
1988	NA	NA	15	1900	1978	861	2.1	NA	NA	NA	7.0	936
1989	NA	NA	15	2008	2008	752	2.2	NA	NA	NA	6.8	922
Costa Rica												
1979	18	29	6	2582	4151	1079	2.3	0.7	2.7	13	2.6	1832
1980	19	28	6	2802	4129	1093	2.3	0.7	2.5	12	2.6	1790
1981	18	25	6	2936	3947	922	2.4	0.6	2.7	10	2.5	1668
1982	18	23	6	2780	3511	772	2.4	0.6	3.0	9	2.5	1442
1983	24	30	7	3038	3694	981	2.5	0.8	3.0	12	2.8	1474
1984	26	31	8	3444	4038	1017	2.6	0.8	3.0	12	3.1	1573
1985	24	27	8	3597	4095	969	2.6	0.7	2.8	10	3.0	1551
1986	24	27	8	3888	4314	1223	2.7	0.6	2.2	10	2.9	1587
1987	25 E	27 E	8	4176	4491	1325	2.8	0.6	2.0	10	2.9	1606
1988	21	22	8	4433	4615	1249	2.9	0.5	1.8	8	2.8	1605
1989	22	22	8	4899	4899	1394	3.0	0.5	1.6	8	2.7	1658
Cote d'Ivoire (see Ivory Coast)												
Cuba												
	d	d		E	E							
1979	1160	1865	210	16600	26690	NA	9.7	7.0	NA	192	21.6	2748
1980	1140	1680	220	17630	25980	NA	9.7	6.5	NA	174	22.8	2691
1981	1200	1613	225	20840	28010	NA	9.7	5.8	NA	166	23.2	2884
1982	1330	1680	230	22770	28760	NA	9.8	5.8	NA	172	23.5	2938
1983	1470	1788	250	25230	30680	NA	9.9	5.8	NA	181	25.3	3104
1984	1386	1625	297	26990	31640	NA	10.0	5.1	NA	163	29.8	3170
1985	1335	1520	297	29520	33610	NA	10.1	4.5	NA	151	29.4	3332
1986	1307	1450	297 E	31420	34870	NA	10.2	4.2	NA	142	29.2	3422
1987	1306	1405	297 E	33700	36250	NA	10.3	3.9	NA	137	28.9	3523
1988	1350	1405	297	34720	36140	NA	10.4	3.9	NA	135	28.6	3477
1989	1377	1377	297	35460	35460	13530	10.5	3.9	10.2	131	28.3	3375

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989	Constant 1989					Millions	%
Cyprus												
1979	31	51	15	1597	2567	718	0.6	2.0	7.0	81	24.2	4137
1980	26	38	16	1846	2721	859	0.6	1.4	4.5	61	25.5	4342
1981	41	55	16	2070	2782	784	0.6	2.0	7.0	87	25.2	4389
1982	40	51	17	2333	2947	855	0.6	1.7	5.9	79	26.5	4600
1983	42	52	10	2528	3074	1003	0.6	1.7	5.1	80	15.4	4738
1984	42	50	10	2858	3351	1044	0.7	1.5	4.8	76	15.2	5097
1985	39	44	13	3087	3515	1078	0.7	1.2	4.1	66	19.5	5283
1986	28	31	13	3283	3643	1104	0.7	0.9	2.8	46	19.3	5412
1987	34	37	13	3623	3896	1175	0.7	0.9	3.1	54	19.1	5727
1988	41	43	13	4063	4229	1269	0.7	1.0	3.4	63	18.9	6151
1989	41	41	14	4468	4468	1345	0.7	0.9	3.0	59	19.9	6431
Czechoslovakia												
	E	E						C	C			
1979	4599	7393	187	63740	102500	31430	15.2	7.2	23.5	487	12.3	6750
1980	5249	7734	190	71160	104900	31970	15.3	7.4	24.2	507	12.5	6874
1981	5846	7858	194	77700	104500	33770	15.3	7.5	23.3	513	12.7	6818
1982	6779	8562	198	84230	106400	32370	15.4	8.0	26.5	557	12.9	6922
1983	7206	8763	202	88830	108000	33450	15.4	8.1	26.2	569	13.1	7008
1984	7536	8835	206	94330	110600	33470	15.5	8.0	26.4	572	13.3	7154
1985	7998	9105	210	97790	111300	34390	15.5	8.2	26.5	587	13.5	7182
1986	8460	9388	214	102400	113600	34520	15.5	8.3	27.2	604	13.8	7313
1987	8840	9508	215	106600	114600	35490	15.6	8.3	26.8	611	13.8	7362
1988	9131	9505	211	117100	121900	38260	15.6	7.8	24.8	609	13.5	7812
1989	8361	8361	175	123200	123200	38540	15.6	6.8	21.7	534	11.2	7876
Denmark												
1979	1273	2046	33	53840	86550	31870	5.1	2.4	6.4	400	6.4	16910
1980	1454	2143	33	58150	85690	35000	5.1	2.5	6.1	418	6.4	16730
1981	1637	2201	33	62800	84420	36970	5.1	2.6	6.0	430	6.4	16480
1982	1786	2256	32	68340	86320	39430	5.1	2.6	5.7	441	6.2	16870
1983	1856	2257	30	72940	88700	40890	5.1	2.5	5.5	441	5.9	17340
1984	1891	2217	31	78470	92000	41790	5.1	2.4	5.3	434	6.1	18000
1985	1909	2173	29	84250	95910	41570	5.1	2.3	5.2	425	5.7	18750
1986	1870	2076	28	89640	99470	39780	5.1	2.1	5.2	405	5.5	19430
1987	2019	2171	28	92050	99010	39700	5.1	2.2	5.5	423	5.5	19310
1988	2135	2222	30	95050	98940	41380	5.1	2.2	5.4	433	5.8	19290
1989	2184	2184	31	100400	100400	42090	5.1	2.2	5.2	426	6.0	19580
Dominican Republic												
1979	57	92	19	3145	5056	961	5.6	1.8	9.5	16	3.4	901
1980	48	70	24	3447	5078	902	5.8	1.4	7.8	12	4.1	869
1981	57	76	24	3816	5130	863	6.0	1.5	8.9	13	4.0	857
1982	59	74	25	4296	5426	755	6.1	1.4	9.8	12	4.1	886
1983	59	72	23	4653	5658	827	6.3	1.3	8.7	11	3.7	904
1984	56	66	22	4890	5733	791	6.4	1.1	8.3	10	3.4	897
1985	57	65	22	4781	5442	817	6.5	1.2	8.0	10	3.4	833
1986	67	75	21	5077	5634	840	6.7	1.3	8.9	11	3.1	844
1987	77	83	21	5545	5963	1144 E	6.8	1.4	7.3	12	3.1	875
1988	60	63	20	5735	5970	1219	7.0	1.1	5.1	9	2.9	858
1989	52	52	21	6422	6422	1043 E	7.1	0.8	5.0	7	3.0	905

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars		Million dollars						
YEAR	Current	Constant 1989		Current	Constant 1989	Constant 1989						
Ecuador	E,b	E,b										
1979	176	282	35	4741	7622	837	7.9	3.7	33.7	36	4.4	966
1980	175	258	35	5387	7937	1186	8.1	3.2	21.7	32	4.3	977
1981	207	278	34	6118	8225	1398	8.4	3.4	19.9	33	4.1	984
1982	223	282	36	6437	8131	1362	8.6	3.5	20.7	33	4.2	945
1983	217	263	39	6492	7895	1130	8.8	3.3	23.3	30	4.4	893
1984	179	210	39	6872	8056	1161	9.1	2.6	18.1	23	4.3	888
1985	208	237	43	7532	8575	1397	9.3	2.8	16.9	25	4.6	922
1986	228	253	44	7951	8823	1511	9.5	2.9	16.7	26	4.6	925
1987	229	246	44	7698	8280	1375	9.8	3.0	17.9	25	4.5	847
1988	220	229	46	9264	9644	1368	10.0	2.4	16.7	23	4.6	962
1989	163	163	46	9668	9668	1402	10.3	1.7	11.6	16	4.5	942
Egypt	E,b	E,b										
1979	3227	5187	447	25720	41350	23000	40.6	12.5	22.6	128	11.0	1019
1980	2923	4306	447	30610	45100	27350	41.7	9.5	15.7	103	10.7	1082
1981	3154	4240	447	34520	46400	26470	42.9	9.1	16.0	99	10.4	1082
1982	6192	7820	447	40630	51320	35230	44.0	15.2	22.2	178	10.2	1165
1983	6072	7384	447	45440	55260	32930	45.1	13.4	22.4	164	9.9	1226
1984	6844	8024	466	49960	58570	34380	46.2	13.7	23.3	174	10.1	1269
1985	6785	7724	466	53040	60380	34900	47.3	12.8	22.1	163	9.9	1277
1986	6460	7168	400	55250	61310	36730	48.4	11.7	19.5	148	8.3	1267
1987	6664	7167	450	59480	63970	32100	49.6	11.2	22.3	145	9.1	1290
1988	5559	5786	452	64920	67580	33760	50.8	8.6	17.1	114	8.9	1331
1989	3499	3499	450	69780	69780	32590	52.0	5.0	10.7	67	8.7	1342
El Salvador												
1979	98	157	14	4515	7258	1082	4.6	2.2	14.5	34	3.0	1580
1980	120	177	16	4466	6580	1144	4.7	2.7	15.5	38	3.4	1413
1981	158	213	23	4445	5975	1229	4.6	3.6	17.3	46	5.0	1295
1982	184	232	28	4426	5591	1140	4.6	4.2	20.4	51	6.1	1220
1983	189 E	230 E	32	4631	5631	1010	4.6	4.1	22.8	50	6.9	1215
1984	301 E	353 E	45	4914	5761	1138	4.7	6.1	31.0	75	9.6	1223
1985	276 E	314 E	48	5161	5876	1082	4.8	5.3	29.1	66	10.0	1225
1986	268	298	48	5324	5908	845	4.9	5.0	35.2	61	9.8	1208
1987	258 E	277 E	49	5647	6073	783	5.0	4.6	35.4	56	9.8	1216
1988	237 E	247 E	45	6017	6263	709	5.1	3.9	34.9	48	8.8	1228
1989	252 E	252 E	45	6335	6335	675	5.2	4.0	37.3	48	8.6	1217
Equatorial Guinea												
1979	NA	NA	2	67	108	NA	0.2	NA	NA	NA	9.0	489
1980	NA	NA	2	NA	NA	NA	0.3	NA	NA	NA	7.8	NA
1981	NA	NA	2	NA	NA	NA	0.3	NA	NA	NA	7.4	NA
1982	NA	NA	2	NA	NA	NA	0.3	NA	NA	NA	7.0	NA
1983	NA	NA	2	NA	NA	NA	0.3	NA	NA	NA	6.7	NA
1984	NA	NA	3	NA	NA	NA	0.3	NA	NA	NA	9.5	NA
1985	NA	NA	3	96	109	NA	0.3	NA	NA	NA	9.2	336
1986	NA	NA	2	99	110	NA	0.3	NA	NA	NA	6.0	329
1987	NA	NA	2	107	115	NA	0.3	NA	NA	NA	5.9	337
1988	NA	NA	1	119	124	27	0.4	NA	NA	NA	4.0	354
1989	NA	NA	1	125	125	27	0.4	NA	NA	NA	3.9	347

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Constant 1989 dollars	Soldiers	Constant 1989 dollars											
Ethiopia													
1979	254	408	250	2926	4704	1096	38.1	8.7	37.3	11	6.6	123	
1980	321	473	250	3342	4924	1245	38.6	9.6	38.0	12	6.5	128	
1981	331 E	445 E	240	3728	5012	1306	39.2	8.9	34.1	11	6.1	128	
1982	357 E	451 E	240	4030	5090	1457	40.1	8.9	30.9	11	6.0	127	
1983	363 E	441 E	240	4396	5345	2018	41.2	8.2	21.8	11	5.8	130	
1984	389 E	456 E	190	4452	5220	1655	42.4	8.7	27.5	11	4.5	123	
1985	382 E	435 E	240	4253	4842	1857	43.5	9.0	23.4	10	5.5	111	
1986	388	430	300	4661	5172	1914	44.7	8.3	22.5	10	6.7	116	
1987	432	464	300	5245	5641	1991	46.3	8.2	23.3	10	6.5	122	
1988	NA	NA	250	5596	5825	2242	48.0	NA	NA	NA	5.2	121	
1989	763	763	250	5959	5959	2507	49.8	12.8	30.4	15	5.0	120	
Fiji													
1979	6	10	1	681	1095	285	0.6	1.0	3.7	17	1.6	1770	
1980	6	9	2	731	1077	282	0.6	0.9	3.3	15	3.2	1708	
1981	8	11	2	858	1153	339	0.6	0.9	3.2	17	3.1	1793	
1982	11	14	2	841	1062	330	0.7	1.3	4.2	21	3.1	1621	
1983	12	14	NA	835	1015	309	0.7	1.4	4.6	21	NA	1520	
1984	13	15	3	939	1101	328	0.7	1.4	4.6	22	4.4	1616	
1985	12	13	4	926	1054	312	0.7	1.3	4.3	19	5.8	1517	
1986	12	13	3	1037	1151	335	0.7	1.2	4.0	19	3.8	1624	
1987	22	24	3	985	1059	317	0.7	2.3	7.6	33	3.7	1462	
1988	24	25	4	995	1036	286	0.7	2.4	8.8	34	4.7	1399	
1989	26	26	4	1164	1164	NA	0.8	2.2	NA	35	4.6	1540	
Finland													
1979	701	1127	36	49360	79350	24140	4.8	1.4	4.7	237	7.6	16650	
1980	909	1339	36	56730	83580	25220	4.8	1.6	5.3	280	7.5	17490	
1981	1005	1351	36	62960	84630	25510	4.8	1.6	5.3	281	7.5	17630	
1982	1230	1554	36	69280	87510	27360	4.8	1.8	5.7	322	7.5	18130	
1983	1317	1601	40	74150	90170	29020	4.9	1.8	5.5	330	8.2	18570	
1984	1369	1605	40	79100	92730	28440	4.9	1.7	5.6	329	8.2	19000	
1985	1435	1633	40 E	84440	96130	30220	4.9	1.7	5.4	333	8.2	19610	
1986	1608	1784	37	88960	98720	31630	4.9	1.8	5.6	363	7.4	20070	
1987	1574	1693	37	94810	102000	32910	4.9	1.7	5.1	343	7.4	20670	
1988	1687	1756	40	103100	107400	33710	4.9	1.6	5.2	355	8.1	21710	
1989	1788	1788	39	112800	112800	33850	5.0	1.6	5.3	360	7.9	22740	
France													
1979	18710	30080	578	483100	776600	302600	53.6	3.9	9.9	561	10.8	14490	
1980	21230	31270	575	536200	790000	314200	53.9	4.0	10.0	581	10.7	14660	
1981	24260	32610	575	593900	798300	340200	54.1	4.1	9.6	602	10.6	14740	
1982	26370	33310	578	646400	816400	368600	54.4	4.1	9.0	612	10.6	15000	
1983	27830	33840	578	673700	819300	370200	54.6	4.1	9.1	619	10.6	14990	
1984	28760	33710	571	706300	828000	376200	54.9	4.1	9.0	614	10.4	15070	
1985	29600	33690	563	740900	843500	382900	55.2	4.0	8.8	611	10.2	15290	
1986	30500	33840	558	779200	864700	389600	55.4	3.9	8.7	611	10.1	15610	
1987	32530	34980	559	823600	885800	386800	55.6	3.9	9.0	629	10.0	15920	
1988	33490	34860	558	884200	920500	401300	55.9	3.8	8.7	624	10.0	16470	
1989	35260	35260	554	954100	954100	410500	56.1	3.7	8.6	628	9.9	17000	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Gabon													
1979	51	82	5	1887	3034	1486	0.8	2.7	5.5	104	6.4	3866	
1980	66	97	5	2129	3137	1150	0.8	3.1	8.4	121	6.2	3893	
1981	58	78	7	2245	3018	1304	0.9	2.6	6.0	92	8.2	3542	
1982	65	82	7	2464	3112	1299	0.9	2.6	6.3	91	7.8	3454	
1983	61	75	7	2596	3157	1407	0.9	2.4	5.3	79	7.4	3346	
1984	54	63	7	2638	3093	1298	1.0	2.0	4.9	64	7.1	3155	
1985	81	92	7	2897	3297	1389	1.0	2.8	6.6	91	6.9	3262	
1986	149 E	166 E	9	3311	3674	2167 E	1.0	4.5	7.6	161	8.7	3561	
1987	128	137	9	2786	2997	NA	1.0	4.6	NA	132	8.6	2872	
1988	163 E	170 E	8	2882	3000	1108	1.1	5.7	15.3	161	7.4	2853	
1989	140 E	140 E	10	3119	3119	1127	1.1	4.5	12.4	132	9.0	2944	
Gambia, The													
1979	NA	NA	0	103	165	52	0.6	NA	NA	NA	0	263	
1980	NA	NA	0	101	149	49	0.6	NA	NA	NA	0	232	
1981	1	2	1	120	162	55	0.7	1.2	3.6	3	1.5	245	
1982	NA	NA	1	138	174	59	0.7	NA	NA	NA	1.5	258	
1983	NA	NA	1	140	171	NA	0.7	NA	NA	NA	1.4	247	
1984	NA	NA	1	148	173	NA	0.7	NA	NA	NA	1.4	244	
1985	NA	NA	1	143	162	NA	0.7	NA	NA	NA	1.4	222	
1986	NA	NA	1	148	164	NA	0.8	NA	NA	NA	1.3	218	
1987	1 E	1 E	1	170	183	NA	0.8	0.7	NA	2	1.3	236	
1988	NA	NA	1	190	197	NA	0.8	NA	NA	NA	1.3	247	
1989	1 E	1 E	2	210	210	74 E	0.8	0.7	2.0	2	1.8	255	
Germany, East													
	E	E						C	C				
1979	6339	10190	228	80470	129400	60480	16.7	7.9	16.9	609	13.6	7725	
1980	7040	10370	228	89570	132000	63470	16.7	7.9	16.3	620	13.6	7885	
1981	7933	10660	231	100300	134800	65790	16.7	7.9	16.2	637	13.8	8053	
1982	9102	11500	234	106300	134200	70210	16.7	8.6	16.4	689	14.0	8040	
1983	9682	11770	236	112600	136900	73680	16.7	8.6	16.0	705	14.1	8198	
1984	10280	12050	240	120000	140700	76870	16.7	8.6	15.7	722	14.4	8433	
1985	10810	12310	242	127400	145000	83270	16.7	8.5	14.8	739	14.5	8707	
1986	11400	12650	242	132600	147200	83270	16.6	8.6	15.2	760	14.6	8846	
1987	12110	13030	241	139100	149600	86660	16.6	8.7	15.0	783	14.5	8993	
1988	12770	13290	242	151300	157500	91540	16.6	8.4	14.5	800	14.6	9472	
1989	13970	13970	262	159400	159400	93780	16.5	8.8	14.9	848	15.9	9669	
Germany, West													
1979	20140	32370	492	619300	995500	289000	61.3	3.3	11.2	528	8.0	16230	
1980	22400	33000	490	685600	1010000	307900	61.6	3.3	10.7	536	8.0	16410	
1981	25390	34130	493	751600	1010000	318800	61.7	3.4	10.7	553	8.0	16380	
1982	26900	33980	495	792200	1001000	320500	61.6	3.4	10.6	551	8.0	16230	
1983	28190	34280	496	838400	1020000	319800	61.4	3.4	10.7	558	8.1	16600	
1984	29060	34070	487	898100	1053000	331400	61.2	3.2	10.3	557	8.0	17210	
1985	29980	34130	495	942900	1073000	332900	61.0	3.2	10.3	559	8.1	17590	
1986	30590	33950	495	989700	1098000	332700	61.1	3.1	10.2	556	8.1	17980	
1987	31570	33960	495	1038000	1117000	339200	61.2	3.0	10.0	555	8.1	18240	
1988	32300	33630	495	1112000	1158000	351400	61.5	2.9	9.6	547	8.1	18830	
1989	33600	33600	503	1207000	1207000	353200	61.8	2.8	9.5	544	8.1	19520	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Constant 1989	Million dollars	Million dollars		GNP	CGE			
	Current	Constant 1989						%	%			
Ghana												
1979	18	29	15	2647	4255	666	10.6	0.7	4.3	3	1.4	400
1980	12	17	14	2885	4251	474	10.7	0.4	3.7	2	1.3	396
1981	21	28	9	3058	4110	453	10.9	0.7	6.1	3	0.8	378
1982	21	26	9	3028	3825	430	11.1	0.7	6.1	2	0.8	346
1983	11 E	13 E	8	3007	3657	304	11.8	0.4	4.3	1	0.7	310
1984	20	24	15	3375	3956	407	12.5	0.6	5.8	2	1.2	317
1985	37	42	15	3639	4143	588	12.9	1.0	7.2	3	1.2	322
1986	36	40	9	3913	4342	638	13.4	0.9	6.3	3	0.7	324
1987	39	42	11	4228	4548	671	13.8	0.9	6.2	3	0.8	329
1988	21	22	16	4649	4839	703	14.2	0.4	3.1	2	1.1	340
1989	30 E	30 E	16	5134	5134	NA	14.7	0.6	NA	2	1.1	350
Greece												
1979	1778	2859	187	29160	46880	15410	9.5	6.1	18.6	299	19.5	4909
1980	1779	2621	186	32420	47770	16530	9.6	5.5	15.9	272	19.3	4954
1981	2403	3230	188	35470	47690	18690	9.7	6.8	17.3	332	19.3	4901
1982	2526	3191	186	37720	47650	24480	9.8	6.7	13.0	326	19.0	4867
1983	2424	2948	177	38970	47390	20640	9.8	6.2	14.3	299	18.0	4813
1984	2945	3453	197	41230	48340	24210	9.9	7.1	14.3	349	19.9	4885
1985	3052	3474	201	43430	49440	25210	9.9	7.0	13.8	350	20.2	4977
1986	2791	3097	202	44630	49520	18440	10.0	6.3	16.8	311	20.3	4970
1987	2926	3148	199	46110	49590	19390	10.0	6.3	16.2	315	19.9	4964
1988	3170	3300	199	49640	51680	21240	10.0	6.4	15.5	330	19.9	5166
1989	3097	3097	201	52930	52930	23090	10.0	5.9	13.4	309	20.1	5286
Guatemala												
1979	56	90	21	4720	7588	898	6.7	1.2	10.1	14	3.1	1137
1980	74	109	21	5308	7822	1194	6.9	1.4	9.1	16	3.1	1140
1981	78	105	27	5837	7846	1323	7.1	1.3	8.0	15	3.8	1106
1982	114 E	144 E	30	5980	7553	1141	7.3	1.9	12.6	20	4.1	1034
1983	125 E	152 E	40	6057	7366	982	7.5	2.1	15.5	20	5.3	984
1984	121 E	142 E	40	6254	7332	811	7.7	1.9	17.5	19	5.2	954
1985	106	121	43	6456	7349	713	7.9	1.6	17.0	15	5.4	929
1986	82	91	43	6575	7296	736	8.1	1.2	12.3	11	5.3	897
1987	127	136	43	7027	7558	874	8.4	1.8	15.6	16	5.1	904
1988	127	133	36	7579	7890	986	8.6	1.7	13.4	15	4.2	919
1989	131	131	43	8208	8208	1007	8.8	1.6	13.0	15	4.9	932
Guinea												
1979	NA	NA	18	1583	2546 E	1252	5.4	NA	NA	NA	3.3	473
1980	NA	NA	28	1759	2592 E	1162	5.5	NA	NA	NA	5.1	473
1981	94 E	126 E	28	1911	2569 E	1234	5.6	4.9	10.2	23	5.0	459
1982	NA	NA	28	2038	2573 E	1169	5.7	NA	NA	NA	4.9	451
1983	69 E	84 E	28	2122	2581 E	1063	5.8	3.3	7.9	14	4.8	443
1984	70 E	82 E	28	2226	2609 E	NA	6.1	3.1	NA	13	4.6	430
1985	NA	NA	28	2407	2740 E	NA	6.4	NA	NA	NA	4.4	430
1986	NA	NA	24	2157	2394	450	6.6	NA	NA	NA	3.7	364
1987	NA	NA	24	2287	2459	532	6.7	NA	NA	NA	3.6	365
1988	29	30	15	2458	2558	599	6.9	1.2	5.1	4	2.2	370
1989	NA	NA	15	2550	2550	549	7.1	NA	NA	NA	2.1	360

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Thousands	Current					Constant 1989	Constant 1989	Millions
Guinea-Bissau												
1979	3	5	5	85	136	73	0.8	4.0	7.4	7	6.5	176
1980	4	6	4	78	115	85	0.8	5.6	7.6	8	5.1	146
1981	4	6	12	101	136	73	0.8	4.1	7.6	7	14.9	168
1982	5	6	9	111	141	76	0.8	4.6	8.4	8	10.9	170
1983	9	11	9	114	138	68	0.8	7.9	16.1	13	10.6	164
1984	5	6	11	125	146	86	0.9	4.0	6.9	7	12.7	169
1985	4	5	11	135	154	96	0.9	3.0	4.7	5	12.4	173
1986	4	4	11	134	148	61	0.9	2.7	6.6	4	12.1	163
1987	3	4	11	143	154	90	0.9	2.4	4.1	4	11.8	165
1988	NA	NA	10	154	160	86	1.0	NA	NA	NA	10.5	168
1989	NA	NA	10	167	167	111	1.0	NA	NA	NA	10.3	171
Guyana												
1979	16	26	7	465	748	427	0.8	3.5	6.1	35	9.4	988
1980	20	30	7	510	752	525	0.8	4.0	5.7	39	9.4	990
1981	24	33	7	552	742	580	0.8	4.4	5.6	43	9.2	975
1982	29	37	7	506	639	717 E	0.8	5.8	5.1	48	9.2	838
1983	24	30	7	455	553	490 E	0.8	5.4	6.0	39	9.2	726
1984	25	30	7	451	529	500 E	0.8	5.6	5.9	39	9.2	694
1985	39	44	7	449	511	539 E	0.8	8.7	8.3	58	9.2	672
1986	NA	NA	6	435	483	572 E	0.8	NA	NA	NA	7.4	635
1987	NA	NA	5	202	217	204 E	0.8	NA	NA	NA	6.6	286
1988	10	10	4	233	243	214 E	0.8	4.3	4.9	14	4.6	321
1989	6	6	4	230	230	168 E	0.8	2.7	3.6	8	4.6	305
Haiti												
1979	18	29	7	1452	2334	443	5.4	1.2	6.6	5	1.3	433
1980	28	41	7	1708	2516	441	5.5	1.6	9.3	8	1.3	460
1981	35	47	8	1823	2451	496	5.6	1.9	9.4	8	1.4	441
1982	34	43	8	1872	2365	590	5.2	1.8	7.3	8	1.5	458
1983	31	37	8	1961	2384	619	5.3	1.6	6.1	7	1.5	453
1984	33	38	6	2037	2388	474	5.4	1.6	8.1	7	1.1	445
1985	32	37	6	2102	2393	489	5.5	1.5	7.5	7	1.1	436
1986	NA	NA	8	2176	2415	427	5.6	NA	NA	NA	1.3	431
1987	42 E	45 E	8	2229	2398	465	5.7	1.9	9.6	8	1.3	418
1988	35 E	37 E	8	2270	2363	364	5.9	1.6	10.1	6	1.4	403
1989	45 E	45 E	9	2344	2344	363	6.0	1.9	12.4	8	1.5	391
Honduras												
1979	56	90	14	2355	3786	786	3.5	2.4	11.4	25	4.0	1076
1980	56 E,b	82 E,b	14	2588	3814	916	3.6	2.2	9.0	23	3.9	1052
1981	50 E,b	67 E,b	17	2903	3903	858	3.7	1.7	7.8	18	4.5	1043
1982	61 E,b	77 E,b	17	2977	3760	938	3.8	2.1	8.2	20	4.4	977
1983	82 E,b	100 E,b	19	3130	3807	918	3.9	2.6	10.9	25	4.8	965
1984	131 E,b	153 E,b	20	3329	3903	1042	4.1	3.9	14.7	38	4.9	963
1985	128 E,b	146 E,b	21	3534	4024	1043	4.2	3.6	14.0	35	5.0	966
1986	134 E,b	149 E,b	22	3666	4068	943	4.3	3.7	15.8	35	5.1	951
1987	140 E,b	150 E,b	22	4029	4334	900	4.4	3.5	16.7	34	4.9	987
1988	124 E,b	129 E,b	19	4339	4517	890	4.5	2.9	14.5	29	4.2	1003
1989	150 E	150 E	19	4622	4622	969 E	4.7	3.2	15.5	32	4.1	986

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			GNP	CGE			PER CAPITA				
	Current	Constant 1989		Current	Constant 1989			Constant 1989	Millions			%
Hungary	E	E						C	C			
1979	2499	4017	121	35700	57390	29070	10.7	7.0	13.8	376	11.3	5364
1980	2832	4173	120	39310	57930	27630	10.7	7.2	15.1	390	11.2	5408
1981	3072	4129	119	43430	58380	30010	10.7	7.1	13.8	386	11.2	5450
1982	3489	4407	119	47870	60460	29020	10.7	7.3	15.2	412	11.1	5647
1983	3628	4412	118	49210	59850	30300	10.7	7.4	14.6	413	11.0	5599
1984	3690	4326	118	52360	61380	29680	10.7	7.0	14.6	406	11.0	5754
1985	3782	4305	117	52580	59850	28060	10.6	7.2	15.3	404	11.0	5621
1986	3915	4345	116	55130	61180	27490	10.6	7.1	15.8	409	10.9	5755
1987	4055	4361	116	57850	62220	26780	10.6	7.0	16.3	411	10.9	5863
1988	4396	4576	117	63340	65930	27320	10.6	6.9	16.7	432	11.0	6222
1989	4064	4064	109	64740	64740	20260	10.6	6.3	20.1	384	10.3	6119
Iceland												
1979	0	0	0	2433	3911	1179	0.2	0	0	0	0	17320
1980	0	0	0	2803	4130	1174	0.2	0	0	0	0	18100
1981	0	0	0	3176	4269	1234	0.2	0	0	0	0	18500
1982	0	0	0	3426	4327	1384	0.2	0	0	0	0	18490
1983	0	0	0	3391	4123	1281	0.2	0	0	0	0	17390
1984	0	0	0	3628	4254	1295	0.2	0	0	0	0	17760
1985	0	0	0	3884	4422	1402	0.2	0	0	0	0	18320
1986	0	0	0	4312	4785	1559	0.2	0	0	0	0	19690
1987	0	0	0	4885	5254	1507	0.2	0	0	0	0	21470
1988	0	0	0	4984	5188	1536	0.2	0	0	0	0	20760
1989	0	0	0	5000	5000	NA	0.3	0	NA	0	0	19700
India												
1979	3192	5132	1286	96770	155600	28610	674.5	3.3	17.9	8	1.9	231
1980	3608	5316	1104	112400	165500	30890	689.0	3.2	17.2	8	1.6	240
1981	4311	5795	1104	130900	175900	31670	704.2	3.3	18.3	8	1.6	250
1982	5092	6431	1120	143900	181700	34540	719.8	3.5	18.6	9	1.6	252
1983	5683	6911	1250	160100	194700	37080	735.6	3.5	18.6	9	1.7	265
1984	6272	7353	1380	172000	201600	41980	751.5	3.6	17.5	10	1.8	268
1985	6662	7584	1515	188200	214200	48370	767.6	3.5	15.7	10	2.0	279
1986	7302	8103	1492	201900	224100	53720	783.8	3.6	15.1	10	1.9	286
1987	8275	8900	1502	217700	234100	54340	800.1	3.8	16.4	11	1.9	293
1988	8377	8721	1362	246200	256300	59140	816.6	3.4	14.7	11	1.7	314
1989	8174	8174	1257	267400	267400	60120	833.2	3.1	13.6	10	1.5	321
Indonesia												
1979	957	1538	250	29410	47270	11240	151.4	3.3	13.7	10	1.7	312
1980	1093	1611	250	35100	51720	12690	154.9	3.1	12.7	10	1.6	334
1981	1349	1813	265	42060	56540	14950	158.5	3.2	12.1	11	1.7	357
1982	1449	1830	280	45910	57990	13630	162.0	3.2	13.4	11	1.7	358
1983	1342	1632	280	51820	63010	14730	165.6	2.6	11.1	10	1.7	381
1984	1461	1713	281	57620	67550	13800	169.1	2.5	12.4	10	1.7	399
1985	1446	1646	281	61070	69520	15910	172.7	2.4	10.3	10	1.6	403
1986	1567	1739	278	66720	74040	18740	176.2	2.3	9.3	10	1.6	420
1987	1373	1477	281	72620	78110	16950	179.7	1.9	8.7	8	1.6	435
1988	1402	1460	284	79810	83080	17380	183.2	1.8	8.4	8	1.6	453
1989	1510	1510	285	89370	89370	18340	186.7	1.7	8.2	8	1.5	479

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
YEAR	Current	Constant 1989		Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers
Iran	E,b	E,b		E	E	E						
1979	3388	5446	415	42870	68920	21700	37.7	7.9	25.1	145	11.0	1830
1980	2624	3867	305	37750	55620	19680	39.1	7.0	19.7	99	7.8	1422
1981	3064	4119	260	44910	60360	19900	40.7	6.8	20.7	101	6.4	1483
1982	3488	4405	240	54190	68440	21700	42.3	6.4	21.7	104	5.7	1618
1983	NA	NA	240	62320	75780	18480	43.9	NA	NA	NA	5.5	1726
1984	NA	NA	335	66580	78060	17420	45.5	NA	NA	NA	7.4	1715
1985	NA	NA	345	71050	80880	13790	47.1	NA	NA	NA	7.3	1716
1986	NA	NA	345 E	66780	74110	13510	48.8	NA	NA	NA	7.1	1519
1987	NA	NA	350 E	67880	73010	12980	50.4	NA	NA	NA	6.9	1447
1988	NA	NA	654	71340	74260	NA	52.1	NA	NA	NA	12.6	1425
1989	NA	NA	604	77540	77540	NA	53.9	NA	NA	NA	11.2	1440
Iraq	E,b	E,b			E				e			
1979	5414	8704	444	42370	68120	35000	12.8	12.8	24.9	682	34.8	5335
1980	NA	NA	430	55570	81880	48300	13.2	NA	NA	NA	32.5	6188
1981	NA	NA	392	36570	49150	37240	13.7	NA	NA	NA	28.6	3587
1982	NA	NA	404	40800	51540	33280	14.2	NA	NA	NA	28.5	3636
1983	NA	NA	434	39710 E	48290	NA	14.7	NA	NA	NA	29.6	3296
1984	NA	NA	788	42360 E	49660	NA	15.2	NA	NA	NA	52.0	3276
1985	NA	NA	788	41250 E	46960	NA	15.7	NA	NA	NA	50.2	2992
1986	NA	NA	800	34930 E	38760	NA	16.2	NA	NA	NA	49.2	2386
1987	NA	NA	900	35780 E	38490	NA	16.8	NA	NA	NA	53.5	2287
1988	NA	NA	1000	39630 E	41250	NA	17.4	NA	NA	NA	57.4	2367
1989	NA	NA	1000	NA	NA	NA	18.1	NA	NA	NA	55.3	NA
Ireland												
1979	234	376	14	15410	24770	11920	3.4	1.5	3.2	112	4.2	7354
1980	286	421	19	17260	25430	13490	3.4	1.7	3.1	124	5.6	7478
1981	308	414	19	19420	26100	14640	3.4	1.6	2.8	120	5.5	7579
1982	397	501	21	20520	25910	15790	3.5	1.9	3.2	144	6.0	7446
1983	386	469	18	20970	25500	15690	3.5	1.8	3.0	134	5.1	7277
1984	396	464	13	22260	26090	15780	3.5	1.8	2.9	131	3.7	7394
1985	419	477	14	23110	26310	16330	3.5	1.8	2.9	135	4.0	7431
1986	426	473	14	23430	26010	15920	3.5	1.8	3.0	133	3.9	7345
1987	415	446	14	25530	27460	16240	3.5	1.6	2.7	126	4.0	7757
1988	431	448	13	26700	27790	13020	3.5	1.6	3.4	127	3.7	7874
1989	449	449	13	28900	28900	12230	3.5	1.6	3.7	128	3.7	8224
Israel												
1979	5734	9218	181	19670	31620	25230	3.7	29.2	36.5	2523	49.5	8655
1980	6654	9805	196	23080	34010	26630	3.7	28.8	36.8	2623	52.4	9100
1981	6160	8281	201	26870	36120	28960	3.8	22.9	28.6	2178	52.9	9502
1982	6026	7611	205	29120	36790	28540	3.9	20.7	26.7	1972	53.1	9534
1983	6924	8420	205	31320	38090	36110	3.9	22.1	23.3	2144	52.2	9697
1984	7869	9225	205	32100	37630	35290	4.0	24.5	26.1	2303	51.2	9394
1985	7027	7999	195	34370	39130	29420	4.1	20.4	27.2	1963	47.8	9602
1986	6431	7137	180	36970	41020	25520	4.1	17.4	28.0	1725	43.5	9913
1987	5829	6269	180	40710	43780	25880	4.2	14.3	24.2	1491	42.8	10410
1988	5585	5814	191	42940	44700	25230	4.3	13.0	23.0	1360	44.7	10460
1989	5745	5745	191	44890	44890	22840	4.3	12.8	25.2	1323	44.0	10340

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Thousands	Current	Constant 1989			Constant 1989	Millions	%	%
Italy												
1979	8781	14120	490	421500	677500	266400	56.4	2.1	5.3	250	8.7	12020
1980	10110	14900	500	479000	705700	300000	56.5	2.1	5.0	264	8.9	12500
1981	11250	15120	505	526500	707800	302400	56.5	2.1	5.0	268	8.9	12530
1982	12740	16090	517	561100	708600	314300	56.6	2.3	5.1	284	9.1	12510
1983	13490	16400	498	589300	716600	344300	56.8	2.3	4.8	289	8.8	12610
1984	14330	16790	508	629800	738300	356100	57.0	2.3	4.7	295	8.9	12950
1985	15320	17440	531	665500	757600	362900	57.1	2.3	4.8	305	9.3	13260
1986	15780	17510	529	699200	775900	403500	57.2	2.3	4.3	306	9.2	13550
1987	18190	19560	531	743900	800100	418000	57.3	2.4	4.7	341	9.3	13950
1988	19790	20600	533	800600	833400	400500	57.4	2.5	5.1	359	9.3	14510
1989	20720	20720	533	860000	860000	422500	57.6	2.4	4.9	360	9.3	14940
Ivory Coast												
1979	114 E	184 E	6	4798	7714	2813	8.1	2.4	6.5	23	0.7	953
1980	96 E	141 E	6	5724	8434	3011	8.4	1.7	4.7	17	0.7	1002
1981	106 E	142 E	7 E	6438	8654	3018 E	8.8	1.6	4.7	16	0.8	989
1982	118 E	149 E	7 E	6824	8618	2980 E	9.1	1.7	5.0	16	0.8	947
1983	83 E	101 E	8 E	6849	8329	2556 E	9.5	1.2	4.0	11	0.8	880
1984	93	109	8 E	6985	8188	2787	9.8	1.3	3.9	11	0.8	832
1985	92	105	8 E	7365	8385	NA	10.2	1.2	NA	10	0.8	819
1986	110 E	122 E	8	8037	8919	2459 E	10.7	1.4	4.9	11	0.8	837
1987	152	163	8	8255	8879	NA	11.1	1.8	NA	15	0.7	801
1988	173	180	8	8714	9072	1959	11.5	2.0	9.2	16	0.7	787
1989	130	130	8	8460	8460	NA	12.0	1.5	NA	11	0.7	705
Jamaica												
1979	19	30	1	2086	3353	1412	2.2	0.9	2.1	14	0.5	1519
1980	20	30	2	2127	3135	1500	2.2	0.9	2.0	13	0.9	1406
1981	29	39	2	2434	3271	1566	2.3	1.2	2.5	17	0.9	1449
1982	40	51	2	2634	3327	1558	2.3	1.5	3.3	22	0.9	1448
1983	35	42	3	2838	3452	1425	2.3	1.2	3.0	18	1.3	1486
1984	22	26	2	2727	3197	1370	2.3	0.8	1.9	11	0.9	1362
1985	23	26	2	2575	2932	1426	2.4	0.9	1.8	11	0.8	1236
1986	NA	NA	3	2710	3008	1246	2.4	NA	NA	NA	1.3	1256
1987	30	32	3	2940	3162	NA	2.4	1.0	NA	13	1.2	1310
1988	34	36	3	2986	3108	1602	2.4	1.1	2.2	15	1.2	1277
1989	36	36	3	3231	3231	NA	2.5	1.1	NA	15	1.2	1318
Japan												
1979	11020	17710	239	1167000	1876000	343200	115.9	0.9	5.2	153	2.1	16190
1980	12330	18170	242	1328000	1956000	366400	116.8	0.9	5.0	156	2.1	16750
1981	14100	18950	241	1509000	2028000	382700	117.6	0.9	5.0	161	2.0	17240
1982	15870	20040	243	1655000	2090000	392400	118.5	1.0	5.1	169	2.1	17650
1983	17420	21190	241	1775000	2158000	405800	119.3	1.0	5.2	178	2.0	18090
1984	19020	22300	241	1934000	2268000	411200	120.0	1.0	5.4	186	2.0	18890
1985	20650	23510	241	2090000	2379000	419400	120.8	1.0	5.6	195	2.0	19700
1986	22170	24610	245	2197000	2438000	424800	121.5	1.0	5.8	203	2.0	20070
1987	24120	25940	244	2368000	2547000	438500	122.1	1.0	5.9	212	2.0	20860
1988	26100	27170	245	2586000	2692000	451900	122.7	1.0	6.0	222	2.0	21950
1989	28410	28410	247	2820000	2820000	NA	123.2	1.0	NA	231	2.0	22900

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
YEAR	Current	Constant 1989		Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers
Jordan									e			
1979	417 E	670 E	67	1406	2259	1700 E	2.1	29.6	39.4	322	32.3	1088
1980	421 E	621 E	65	1806	2661	1735 E	2.2	23.3	35.8	286	30.0	1227
1981	445 E	599 E	66	2112	2839	1750 E	2.3	21.1	34.2	265	29.2	1255
1982	485 E	613 E	68	2417	3053	1796 E	2.4	20.1	34.1	260	28.8	1295
1983	544 E	661 E	72	3477	4228	1884 E	2.5	15.6	35.1	270	29.3	1723
1984	555 E	651 E	78	3661	4292	1553	2.6	15.2	41.9	255	30.5	1681
1985	602 E	686 E	81	3778	4300	1698	2.7	15.9	40.4	258	30.4	1616
1986	633 E	702 E	86	3981	4418	1785	2.8	15.9	39.3	253	31.0	1593
1987	666 E	716 E	100	4224	4543	1925	2.9	15.8	37.2	248	34.6	1573
1988	640 E	666 E	165	4201	4373	1882	3.0	15.2	35.4	221	54.8	1453
1989	548	548	190	4306	4306	1678	3.1	12.7	32.7	175	60.5	1372
Kampuchea (see Cambodia)												
Kenya												
1979	155	248	13	3284	5280	1542	16.0	4.7	16.1	15	0.8	329
1980	163	240	13	3809	5613	1571	16.7	4.3	15.3	14	0.8	336
1981	130	174	17	4340	5833	1746	17.3	3.0	10.0	10	1.0	336
1982	177	223	19	4651	5874	1805	18.0	3.8	12.4	12	1.1	326
1983	176	214	18	4935	6001	1592	18.7	3.6	13.5	11	1.0	321
1984	169	198	19	5194	6090	1590	19.4	3.2	12.4	10	1.0	313
1985	129	147	19	5570	6341	1737	20.2	2.3	8.4	7	0.9	314
1986	138	153	20	6122	6794	1756	21.0	2.2	8.7	7	1.0	324
1987	178	191	21	6681	7185	2145	21.8	2.7	8.9	9	0.9	330
1988	249	259	20	7279	7577	2141	22.6	3.4	12.1	11	0.9	335
1989	210 E	210 E	20	7931	7931	2226	23.5	2.7	9.5	9	0.8	338
Korea, North	E	E		E	E							
1979	4180	6720	692	20900	33600	NA	17.7	20	NA	380	39.1	1900
1980	4380	6454	700	21900	32270	NA	18.0	20	NA	359	38.9	1793
1981	4540	6103	768	22700	30510	NA	18.3	20	NA	333	41.9	1666
1982	4700	5936	782	23500	29680	NA	18.6	20	NA	319	42.0	1594
1983	4880	5934	784	24400	29670	NA	18.9	20	NA	313	41.4	1567
1984	5060	5932	784	25300	29660	NA	19.3	20	NA	308	40.7	1539
1985	5260	5988	784	26300	29940	NA	19.6	20	NA	305	40.0	1527
1986	5440	6037	838	27200	30180	NA	19.9	20	NA	303	42.0	1513
1987	5640	6066	838	28200	30330	NA	20.3	20	NA	299	41.3	1495
1988	5840	6079	842	29200	30400	NA	20.6	20	NA	294	40.8	1472
1989	6000	6000	1040	30000	30000	NA	21.0	20	NA	285	49.5	1427
Korea, South												
1979	3117	5011	638	59990	96440	18790	37.5	5.2	26.7	134	17.0	2569
1980	3821	5629	600	62340	91850	19200	38.1	6.1	29.3	148	15.7	2409
1981	4501	6050	606	72380	97290	21770	38.7	6.2	27.8	156	15.6	2512
1982	5004	6321	601	82550	104300	23260	39.3	6.1	27.2	161	15.3	2651
1983	5327	6478	602	96550	117400	23210	39.9	5.5	27.9	162	15.1	2940
1984	5580	6542	602	109400	128300	24620	40.5	5.1	26.6	161	14.9	3167
1985	6109	6955	600	120600	137200	26130	41.1	5.1	26.6	169	14.6	3343
1986	6745	7485	604	139700	155000	27270	41.5	4.8	27.5	180	14.5	3731
1987	7120	7658	604	162500	174800	30080	42.0	4.4	25.5	182	14.4	4163
1988	8030	8359	626	188400	196100	33130	42.4	4.3	25.2	197	14.8	4630
1989	9100	9100	647	210100	210100	38240	42.7	4.3	23.8	213	15.1	4920

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Kuwait													
					E								
1979	766	1231	11	26250	42210	8930	1.3	2.9	13.8	953	8.5	32680	
1980	892	1314	12	30810	45400	10770	1.4	2.9	12.2	959	8.8	33140	
1981	858	1153	12	31050	41740	11790	1.4	2.8	9.8	805	8.4	29150	
1982	1120	1414	13	26960	34060	13020	1.5	4.2	10.9	944	8.7	22740	
1983	1399	1701	13	25820	31400	12790	1.6	5.4	13.3	1086	8.3	20050	
1984	1430	1676	15	26720	31330	12160	1.6	5.3	13.8	1024	9.2	19130	
1985	1525	1736	16	24870	28310	11920	1.7	6.1	14.6	1014	9.3	16530	
1986	1300	1443	18	24430	27110	11240	1.8	5.3	12.8	805	10.0	15120	
1987	1263	1358	20	26070	28040	9687	1.9	4.8	14.0	724	10.7	14940	
1988	1273	1325	15	25750	26800	9560	2.0	4.9	13.9	676	7.7	13680	
1989	1964	1964	20	31880	31880	9875	2.0	6.2	19.9	962	9.9	15610	
Laos													
1979	50	80	46	NA	NA	277 E	3.3	NA	29.1	25	14.1	NA	
1980	NA	NA	55	NA	NA	NA	3.3	NA	NA	NA	16.7	NA	
1981	NA	NA	46	NA	NA	NA	3.3	NA	NA	NA	13.8	NA	
1982	NA	NA	46	460 E	581 E	NA	3.4	NA	NA	NA	13.5	171	
1983	NA	NA	46	NA	NA	NA	3.5	NA	NA	NA	13.2	NA	
1984	55 E	64 E	46	525 E	615 E	302 E	3.5	10.5	21.3	18	13.0	174	
1985	55 E	63 E	46	NA	NA	NA	3.6	NA	NA	17	12.8	NA	
1986	NA	NA	48	NA	NA	NA	3.7	NA	NA	NA	12.9	NA	
1987	NA	NA	50	NA	NA	NA	3.8	NA	NA	NA	13.3	NA	
1988	NA	NA	56	NA	NA	302	3.8	NA	NA	NA	14.4	NA	
1989	NA	NA	56	NA	NA	NA	3.9	NA	NA	NA	14.1	NA	
Lebanon													
1979	331	532	18	5600	9003	2237	3.1	5.9	23.8	169	5.7	2866	
1980	380	560	18	6538	9633	2509	3.1	5.8	22.3	178	5.7	3070	
1981	345	464	20	7094	9536	1968	3.1	4.9	23.6	148	6.4	3033	
1982	320	404	21	6418	8106	2446	3.2	5.0	16.5	128	6.6	2564	
1983	459	558	20	5608	6819 E	2790	3.2	8.2	20.0	176	6.3	2146	
1984	432	507	19	4270 E	5006 E	2202	3.2	10.1	23.0	159	6.0	1568	
1985	NA	NA	21	2594 E	2953 E	NA	3.2	NA	NA	NA	6.6	921	
1986	NA	NA	36	2697 E	2993 E	NA	3.2	NA	NA	NA	11.2	929	
1987	NA	NA	37	1780 E	1915 E	1273 E	3.2	NA	NA	NA	11.4	591	
1988	NA	NA	20	NA	NA	NA	3.3	NA	NA	NA	6.1	NA	
1989	NA	NA	18	NA	NA	NA	3.3	NA	NA	NA	5.5	NA	
Lesotho													
1979	6	10	1	393	632	195 E	1.3	1.6	5.2	8	0.8	481	
1980	NA	NA	1	419	618	190 E	1.3	NA	NA	NA	0.7	459	
1981	10	14	2	482	648	213 E	1.4	2.2	6.6	10	1.4	469	
1982	NA	NA	2	588	743	169	1.4	NA	NA	NA	1.4	524	
1983	11	13	2	598	727	174	1.5	1.8	7.6	9	1.4	499	
1984	13	15	2	642	753	202	1.5	2.0	7.6	10	1.0	504	
1985	15	17	2	642	730	186	1.5	2.4	9.4	11	1.0	476	
1986	18	19	2	653	725	NA	1.6	2.7	NA	12	1.3	459	
1987	15	16	2	681	733	NA	1.6	2.2	NA	10	1.2	452	
1988	NA	NA	2	752	783	147	1.7	NA	NA	NA	1.2	471	
1989	NA	NA	2	830	830	193	1.7	NA	NA	NA	1.2	485	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Liberia													
1979	8	13	7	903	1451	503	1.8	0.9	2.5	7	3.8	788	
1980	14	20	7	937	1381	396	1.9	1.5	5.2	11	3.7	727	
1981	34	46	5	1008	1355	445	2.0	3.4	10.3	23	2.5	690	
1982	48	61	5	1007	1272	478	2.0	4.8	12.7	30	2.5	627	
1983	28	34	5	997	1212	457	2.1	2.8	7.5	16	2.4	579	
1984	23	27	6	994	1165	382	2.2	2.3	7.0	12	2.8	539	
1985	29	33	6	1064	1212	372	2.2	2.7	8.8	15	2.7	542	
1986	37 E	41 E	6	1064	1181	346	2.3	3.5	11.8	18	2.6	511	
1987	41 E	44 E	6	1087	1169	311	2.4	3.8	14.2	18	2.5	490	
1988	41 E	43 E	7	1057 E	1100 E	248	2.5	3.9	17.3	17	2.8	446	
1989	58 E	58 E	7	1200 E	1200 E	435	2.6	4.8	13.3	23	2.7	470	
Libya	E,b	E,b			E								
1979	3342	5373	51	25380	40810	12830	2.9	13.2	41.9	1876	17.8	14250	
1980	3092	4555	53	35110	51730	17120	3.0	8.8	26.6	1502	17.5	17060	
1981	NA	NA	55	31350	42140	NA	3.2	NA	NA	NA	17.3	13230	
1982	3576	4517	55	28490	35980	13720	3.4	12.6	32.9	1348	16.4	10740	
1983	4255	5174	68	27760	33760	16170 E	3.5	15.3	32.0	1478	19.4	9646	
1984	5047	5917	90	24650	28900	14790 E	3.6	20.5	40.0	1628	24.8	7953	
1985	NA	NA	91	27000	30740	NA	3.7	NA	NA	NA	24.7	8344	
1986	NA	NA	91 E	22080	24500	11960 E	3.7	NA	NA	NA	24.4	6575	
1987	2774	2984	91 E	23180	24930	NA	3.8	12.0	NA	776	23.7	6482	
1988	NA	NA	86	20490	21330	NA	4.0	NA	NA	NA	21.7	5375	
1989	3309	3309	86	22200	22200	11330	4.1	14.9	29.2	808	21.0	5423	
Luxembourg													
1979	31	50	1	3663	5889	2372	0.4	0.9	2.1	139	3.3	16220	
1980	39	58	1	4119	6068	2447	0.4	0.9	2.4	158	2.7	16650	
1981	45	60	1	4658	6262	2546	0.4	1.0	2.4	164	3.0	17140	
1982	47	60	1	5507	6956	2596	0.4	0.9	2.3	164	3.3	19030	
1983	51	62	1	5998	7295	2744	0.4	0.8	2.3	169	2.7	19950	
1984	53	63	1	6483	7601	2587	0.4	0.8	2.4	171	2.7	20770	
1985	54	62	1	6938	7898	2630	0.4	0.8	2.4	169	2.7	21540	
1986	58	64	1	7243	8038	2725	0.4	0.8	2.4	174	2.7	21820	
1987	67	72	1	7486	8051	2844	0.4	0.9	2.5	195	2.7	21710	
1988	79	82	1	8121	8454	3004	0.4	1.0	2.7	218	2.7	22570	
1989	76	76	1	8879	8879	NA	0.4	0.9	NA	200	2.6	23410	
Madagascar													
1979	52	83	20	1507	2423	583	8.5	3.4	14.3	10	2.4	286	
1980	55	80	20	1645	2423	594	8.7	3.3	13.5	9	2.3	279	
1981	52 E	71 E	28	1605	2158	682 E	9.0	3.3	10.3	8	3.1	241	
1982	NA	NA	28	1672	2112	485 E	9.2	NA	NA	NA	3.0	229	
1983	31 E	38 E	29	1745	2122	372 E	9.5	1.8	10.2	4	3.1	224	
1984	38 E	45 E	28	1808	2119	435 E	9.8	2.1	10.3	5	2.9	217	
1985	36 E	41 E	27	1891	2153	517 E	10.1	1.9	8.0	4	2.7	213	
1986	37 E	41 E	26	1970	2186	502 E	10.4	1.9	8.2	4	2.5	210	
1987	37 E	40 E	26	2016	2168	NA	10.7	1.8	NA	4	2.4	202	
1988	32 E	33 E	21	2164	2253	168	11.1	1.5	19.8	3	1.9	204	
1989	35 E	35 E	21	2340	2340	122	11.4	1.5	28.9	3	1.8	205	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Thousands	Current	Constant 1989	Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars	
Malawi													
1979	37	59	3	782	1258	435	5.8	4.7	13.5	10	0.5	215	
1980	40	58	4	821	1209	519	6.0	4.8	11.3	10	0.7	201	
1981	28	37	6	861	1158	443	6.2	3.2	8.4	6	1.0	187	
1982	22	28	6	948	1197	375	6.4	2.4	7.5	4	0.9	187	
1983	19	23	6	1028	1250	379	6.6	1.9	6.2	4	0.9	189	
1984	19	22	6	1134	1330	383	6.8	1.7	5.7	3	0.9	195	
1985	24	27	6	1223	1392	467	7.0	2.0	5.8	4	0.9	198	
1986	30	33	7	1257	1395	502	7.3	2.4	6.6	5	1.0	191	
1987	24	26	7	1330	1431	465	7.8	1.8	5.6	3	0.9	184	
1988	36	38	7	1421	1479	434	8.3	2.6	8.7	5	0.8	178	
1989	35	35	7	1559	1559	428	8.8	2.3	8.2	4	0.8	177	
Malaysia													
1979	490	787	82	12740	20480	5481	13.4	3.8	14.4	59	6.1	1524	
1980	664	978	83	15120	22280	7474	13.8	4.4	13.1	71	6.0	1619	
1981	1068	1436	90	17820	23950	10520	14.1	6.0	13.7	102	6.4	1699	
1982	1182	1493	95	19840	25050	11220	14.4	6.0	13.3	103	6.6	1735	
1983	1094 E	1330 E	105	21400	26020	10070	14.8	5.1	13.2	90	7.1	1759	
1984	910 E	1067 E	105	23680	27760	9628	15.2	3.8	11.1	70	6.9	1831	
1985	910 E	1036 E	106 E	24100	27440	9678	15.5	3.8	10.7	67	6.8	1765	
1986	1065 E	1182 E	106 E	25370	28150	11830	15.9	4.2	10.0	74	6.6	1766	
1987	1242	1335	106 E	27590	29670	10140	16.3	4.5	13.2	82	6.5	1817	
1988	832	866	108	31200	32480	9273	16.7	2.7	9.3	52	6.5	1942	
1989	1039	1039	110	35970	35970	10430	17.1	2.9	10.0	61	6.4	2099	
Mali													
1979	22	36	5	917	1473	209	6.6	2.4	17.0	5	0.8	224	
1980	24	35	7	983	1448	329	6.7	2.4	10.5	5	1.0	216	
1981	26	35	8	1106	1486	356	6.8	2.4	9.9	5	1.2	219	
1982	31	39	8	1262	1594	463	6.9	2.4	8.4	6	1.2	231	
1983	31	38	8	1236	1503	486	7.0	2.5	7.9	5	1.1	214	
1984	32	37	8	1302	1527	480	7.2	2.4	7.8	5	1.1	213	
1985	38	44	8	1334	1519	539	7.3	2.9	8.1	6	1.1	208	
1986	41	45	8	1626	1804	555	7.5	2.5	8.1	6	1.1	242	
1987	40	43	8	1697	1826	513	7.6	2.4	8.4	6	1.1	240	
1988	42	43	8	1797	1870	550	7.8	2.3	7.9	6	1.0	240	
1989	41	41	8	2048	2048	NA	8.0	2.0	NA	5	0.9	257	
Malta													
1979	NA	NA	6	857	1377	NA	0.3	NA	NA	NA	17.3	3971	
1980	5	8	1	1028	1515	499	0.4	0.5	1.6	22	2.7	4162	
1981	8	11	1	1174	1578	587	0.4	0.7	1.8	29	2.7	4340	
1982	12	16	1	1290	1630	638	0.4	1.0	2.5	43	2.8	4524	
1983	15	18	1	1307	1589	617	0.4	1.1	2.9	49	2.8	4412	
1984	13	16	1	1381	1619	613	0.4	1.0	2.6	43	2.8	4494	
1985	16	18	1	1442	1642	690	0.4	1.1	2.6	49	2.8	4529	
1986	17	19	1	1514	1680	651	0.3	1.1	2.8	54	2.3	4914	
1987	20	22	1	1626	1748	680	0.3	1.3	3.2	64	2.3	5080	
1988	19	20	1	1813	1887	696	0.3	1.1	2.9	58	3.5	5438	
1989	22	22	2	1981	1981	897 E	0.4	1.1	2.4	62	4.3	5656	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP	
									GNP	CGE		PER CAPITA	PER CAPITA
	Million dollars				Million dollars			Million dollars				Constant 1989 dollars	
YEAR	Current	Constant 1989	Thousands	Current	Constant 1989	Constant 1989	Millions	%	%		Soldiers	Constant 1989 dollars	
Mauritania													
1979	61	99	8	521	837	339	1.4	11.8	29.1	69	5.6	589	
1980	65	95	8	605	892	394	1.5	10.7	24.2	66	5.5	612	
1981	55	74	12	700	941	388	1.5	7.8	19.0	49	8.0	630	
1982	55	69	16	705	891	371	1.5	7.7	18.6	45	10.4	581	
1983	50	61	16	778	946	293	1.6	6.5	20.9	39	10.2	600	
1984	NA	NA	16 E	763	894	NA	1.6	NA	NA	NA	9.9	552	
1985	52 E	59 E	16	801	911	237 E	1.7	6.5	25.0	36	9.6	547	
1986	48	53	16	860	955	NA	1.7	5.5	NA	31	9.3	557	
1987	35	37	16	780	839	NA	1.8	4.4	NA	21	9.1	475	
1988	NA	NA	14	847	882	NA	1.8	NA	NA	NA	7.4	485	
1989	40	40	16	943	943	301	1.9	4.3	13.4	22	8.6	503	
Mauritius													
1979	1	2	0	832	1337	405	0.9	0.2	0.5	2	0	1412	
1980	2	3	0	814	1199	376	1.0	0.2	0.7	3	0	1245	
1981	6	8	0	921	1238	419	1.0	0.7	2.0	8	0	1265	
1982	3	3	0	1019	1287	421	1.0	0.3	0.8	3	0	1297	
1983	3	3	1	1063	1293	417	1.0	0.3	0.8	3	1.0	1290	
1984	3	4	1	1151	1349	387	1.0	0.3	0.9	4	1.0	1333	
1985	3	3	1	1274	1450	395	1.0	0.2	0.8	3	1.0	1419	
1986	3	3	1	1436	1593	395	1.0	0.2	0.8	3	1.0	1543	
1987	3	3	1	1669	1795	427	1.0	0.2	0.8	3	1.0	1722	
1988	4	4	1	1861	1938	498	1.1	0.2	0.8	4	1.0	1841	
1989	5	5	1	2029	2029	535	1.1	0.2	0.9	4	0.9	1910	
Mexico													
1979	450	723	120	97700	157100	27040	67.9	0.5	2.7	11	1.8	2312	
1980	456	671	120	114100	168100	31330	69.6	0.4	2.1	10	1.7	2415	
1981	671	901	125	135000	181400	39540	71.4	0.5	2.3	13	1.8	2541	
1982	686	866	130	139700	176400	56760	73.2	0.5	1.5	12	1.8	2411	
1983	714	868	130	137800	167600	45660	74.9	0.5	1.9	12	1.7	2237	
1984	970	1137	129	149000	174700	43180	76.7	0.7	2.6	15	1.7	2278	
1985	1049	1194	140	159200	181200	47440	78.5	0.7	2.5	15	1.8	2310	
1986	967	1073	141 E	155400	172500	53200	80.3	0.6	2.0	13	1.8	2148	
1987	937	1008	141 E	164700	177100	57890	82.2	0.6	1.7	12	1.7	2155	
1988	962	1002	154	174100	181300	52010	84.1	0.6	1.9	12	1.8	2155	
1989	875	875	154	186700	186700	38420	86.0	0.5	2.3	10	1.8	2170	
Mongolia													
	E	E											
1979	160	257	36	NA	NA	NA	1.6	NA	NA	159	22.3	NA	
1980	201	296	36	NA	NA	NA	1.7	NA	NA	178	21.7	NA	
1981	198	266	35	NA	NA	NA	1.7	NA	NA	156	20.5	NA	
1982	198	250	36	NA	NA	NA	1.8	NA	NA	142	20.5	NA	
1983	201	244	38	NA	NA	NA	1.8	NA	NA	135	21.1	NA	
1984	195	229	38	NA	NA	NA	1.9	NA	NA	123	20.5	NA	
1985	192	219	38	NA	NA	NA	1.9	NA	NA	115	19.9	NA	
1986	249	276	40	NA	NA	NA	2.0	NA	NA	141	20.4	NA	
1987	274	295	32	NA	NA	NA	2.0	NA	NA	146	15.9	NA	
1988	281	293	NA	NA	NA	NA	2.1	NA	NA	141	NA	NA	
1989	259	259	33	NA	NA	NA	2.1	NA	NA	122	15.5	NA	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Thousands			Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars	
Morocco													
1979	520	836	98	8980	14440	5226	20.0	5.8	16.0	42	4.9	720	
1980	763 E	1124 E	117	10650	15690	5398	20.5	7.2	20.8	55	5.7	764	
1981	830 E	1116 E	120	11180	15030	6183	21.0	7.4	18.0	53	5.7	714	
1982	1089 E	1376 E	125	13110	16550	6520	21.5	8.3	21.1	64	5.8	768	
1983	1074 E	1306 E	135	13500	16420	5584	22.0	8.0	23.4	59	6.1	745	
1984	NA	NA	149	14610	17130	5345	22.5	NA	NA	NA	6.6	761	
1985	NA	NA	165	15770	17950	5844	23.0	NA	NA	NA	7.2	780	
1986	1078 E	1196 E	185 E	17840	19800	5989	23.5	6.0	20.0	51	7.9	842	
1987	1102 E	1185 E	200	17900	19260	5615	24.0	6.2	21.1	49	8.3	802	
1988	1102 E	1147 E	195	20250	21080	NA	24.5	5.4	NA	47	7.9	859	
1989	1203 E	1203 E	195	21740	21740	NA	25.1	5.5	NA	48	7.8	866	
Mozambique													
1979	47	75	30	835 E	1343 E	NA	11.8	5.6	NA	6	2.5	114	
1980	57	84	30	934	1376	303	12.1	6.1	27.8	7	2.5	114	
1981	72	97	30	1023	1375	327	12.4	7.1	29.7	8	2.4	111	
1982	72	91	30	1030	1301	312	12.8	7.0	29.1	7	2.4	102	
1983	NA	NA	32	922	1122	NA	13.1	NA	NA	NA	2.4	86	
1984	NA	NA	34	990	1161	NA	13.4	NA	NA	NA	2.5	86	
1985	68	77	35	919	1046	204 E	13.8	7.4	38.0	6	2.5	76	
1986	NA	NA	65	941	1045	NA	14.1	NA	NA	NA	4.6	74	
1987	74	79	65	918	988	230	14.1	8.0	34.6	6	4.6	70	
1988	92	96	65	961	1000	236	14.0	9.6	40.7	7	4.6	71	
1989	107	107	65	1106	1106	NA	14.2	9.7	NA	8	4.6	78	
Myanmar (see Burma)													
Nepal													
1979	10	16	25	1173	1886	243	14.6	0.8	6.6	1	1.7	129	
1980	12	17	21	1255	1849	258	15.0	0.9	6.7	1	1.4	123	
1981	14	19	24	1491	2004	285	15.4	0.9	6.5	1	1.6	130	
1982	15	19	24	1644	2076	343	15.8	0.9	5.4	1	1.5	132	
1983	19	23	25	1658	2016	399	16.1	1.1	5.8	1	1.5	125	
1984	21	25	25	1877	2201	394	16.5	1.1	6.3	2	1.5	133	
1985	23	26	25	2050	2334	422	17.0	1.1	6.2	2	1.5	138	
1986	26	29	25	2192	2432	443	17.4	1.2	6.5	2	1.4	140	
1987	28	30	30	2335	2512	467	17.8	1.2	6.5	2	1.7	141	
1988	29	31	35	2656	2765	538	18.2	1.1	5.7	2	1.9	152	
1989	33	33	35	2811	2811	535	18.7	1.2	6.2	2	1.9	150	
Netherlands													
1979	3772	6064	107	117600	189100	100500	14.0	3.2	6.0	432	7.6	13480	
1980	4048	5965	107	129900	191400	105200	14.1	3.1	5.7	422	7.6	13530	
1981	4533	6094	108	141200	189800	108900	14.2	3.2	5.6	428	7.6	13330	
1982	4799	6062	106	148400	187400	111100	14.3	3.2	5.5	424	7.4	13090	
1983	4984	6061	104	156500	190400	114100	14.4	3.2	5.3	422	7.2	13260	
1984	5323	6240	103	166700	195500	115700	14.4	3.2	5.4	433	7.1	13550	
1985	5433	6185	103	176400	200800	114000	14.5	3.1	5.4	427	7.1	13860	
1986	5675	6298	106	185100	205400	111400	14.6	3.1	5.7	432	7.3	14100	
1987	5949	6398	106	193200	207800	116500	14.7	3.1	5.5	436	7.2	14170	
1988	6070	6319	107	205000	213400	118600	14.8	3.0	5.3	428	7.2	14460	
1989	6399	6399	106	222500	222500	119600	14.8	2.9	5.4	431	7.1	14980	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
YEAR	Current	Constant 1989		Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers
New Zealand												
1979	377	606	13	20600	33120	14260	3.1	1.8	4.3	195	4.2	10650
1980	480	707	13	22800	33600	14720	3.1	2.1	4.8	227	4.2	10790
1981	590	793	12	25820	34700	15870	3.1	2.3	5.0	254	3.8	11110
1982	642	811	12	27840	35170	16100	3.2	2.3	5.0	257	3.8	11140
1983	639	778	13	29060	35340	16660	3.2	2.2	4.7	243	4.1	11050
1984	674	790	13	31170	36540	17610	3.2	2.2	4.5	245	4.0	11320
1985	694	790	13	33940	38640	17520	3.2	2.0	4.5	243	4.0	11900
1986	770	854	12	34300	38060	18100	3.2	2.2	4.7	263	3.8	11720
1987	768	827	13	35220	37880	17870	3.3	2.2	4.6	254	3.9	11630
1988	838	872	13	37190	38710	16310	3.3	2.3	5.3	267	3.9	11840
1989	847	847	12	39090	39090	15150 E	3.3	2.2	5.6	258	3.8	11910
Nicaragua												
1979	24	39	6	752	1208	270	2.7	3.3	14.6	15	2.2	451
1980	53 E	78 E	24	862	1269	416	2.8	6.2	18.8	28	8.6	454
1981	74 E	100 E	39	1006	1352	564	2.9	7.4	17.6	34	13.5	468
1982	119 E	151 E	41	1059	1337	704	3.0	11.3	21.4	51	13.8	451
1983	130 E	159 E	46	1159	1410	1010	3.0	11.3	15.7	52	15.2	465
1984	166 E	195 E	67	1136	1331	934	3.1	14.6	20.9	63	21.6	430
1985	192 E	218 E	74	1114	1268	834	3.3	17.2	26.2	66	22.5	385
1986	NA	NA	75	1032	1145	664	3.4	NA	NA	NA	22.2	340
1987	NA	NA	80	1182	1272	NA	3.4	NA	NA	NA	23.2	369
1988	NA	NA	74	1094	1139	594	3.5	NA	NA	NA	21.0	323
1989	NA	NA	74	1106	1106	254	3.6	NA	NA	NA	20.4	305
Niger												
1979	10	16	3	1307	2100	363	5.4	0.8	4.5	3	0.6	390
1980	11	16	3	1532	2257	439	5.6	0.7	3.6	3	0.5	405
1981	12 E	16 E	6	1701	2286	422 E	5.8	0.7	3.9	3	1.0	396
1982	11 E	14 E	5	1743	2202	490 E	6.0	0.6	2.9	2	0.8	369
1983	12 E	15 E	5	1766	2147	354 E	6.2	0.7	4.1	2	0.8	347
1984	11 E	13 E	5 E	1555	1823	314 E	6.4	0.7	4.2	2	0.8	284
1985	14 E	16 E	5 E	1689	1923	321 E	6.6	0.8	5.0	2	0.8	290
1986	15 E	17 E	4	1852	2056	292 E	6.9	0.8	5.7	2	0.6	299
1987	NA	NA	5	1818	1955	NA	7.1	NA	NA	NA	0.7	275
1988	19	19	4	1970	2050	463	7.4	1.0	4.2	3	0.6	279
1989	27	27	4	1987	1987	NA	7.6	1.3	NA	3	0.5	261
Nigeria												
1979	413	663	164	17110	27510	5081	87.2	2.4	13.1	8	1.9	316
1980	447	658	150	18880	27810	4860	90.0	2.4	13.5	7	1.7	309
1981	455	612	144	19820	26640	4471	93.0	2.3	13.7	7	1.5	287
1982	397	501	144	21310	26920	4227	95.9	1.9	11.9	5	1.5	281
1983	358	435	144	21020	25560	3909	97.7	1.7	11.1	4	1.5	262
1984	333	390	144	20130	23600	3444	99.9	1.7	11.3	4	1.4	236
1985	294	335	134	22350	25450	3552	102.8	1.3	9.4	3	1.3	248
1986	247	274	138	23960	26590	5087	105.4	1.0	5.4	3	1.3	252
1987	184	198	138	23540	25320	7400	108.6	0.8	2.7	2	1.3	233
1988	201	210	107	25210	26240	8221	111.9	0.8	2.6	2	1.0	235
1989	130	130	107	27520	27520	5460	115.3	0.5	2.4	1	0.9	239

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989	Constant 1989		Millions	%	%	Constant 1989 dollars	Soldiers
Norway												
1979	1242	1996	40	38660	62150	29250	4.1	3.2	6.8	490	9.8	15260
1980	1320	1945	40	44140	65040	29090	4.1	3.0	6.7	476	9.7	15920
1981	1458	1960	39	48830	65640	27840	4.1	3.0	7.0	478	9.4	16010
1982	1630	2059	40	52010	65690	28360	4.1	3.1	7.3	500	9.7	15960
1983	1806	2196	41	56700	68950	29780	4.1	3.2	7.4	532	9.9	16700
1984	1802	2112	39	62370	73120	31000	4.1	2.9	6.8	510	9.4	17660
1985	2152	2450	36	68350	77810	32700	4.2	3.1	7.5	590	8.7	18740
1986	2328	2583	38	73260	81290	36830	4.2	3.2	7.0	620	9.1	19510
1987	2622	2820	38	78310	84230	39060	4.2	3.3	7.2	674	9.1	20120
1988	2680	2790	40	81240	84570	40330	4.2	3.3	6.9	663	9.5	20090
1989	2925	2925	43	88510	88510	42160	4.2	3.3	6.9	691	10.2	20920
Oman												
					E							
1979	700	1125	13	2997	4817	2373	0.9	23.3	47.4	1204	13.9	5155
1980	1059	1560	15	4795	7065	3142	1.0	22.1	49.6	1585	15.2	7181
1981	1357	1825	15	5902	7934	3767	1.0	23.0	48.4	1761	14.5	7655
1982	1512	1909	15	6197	7827	4021	1.1	24.4	47.5	1754	13.8	7188
1983	1744	2121	20	6320	7685	4323	1.1	27.6	49.1	1860	17.5	6738
1984	1894	2220	25	7013	8222	4760	1.2	27.0	46.6	1865	21.0	6905
1985	1937	2205	25	7950	9051	5216	1.2	24.4	42.3	1780	20.2	7305
1986	1731	1920	26 E	6397	7099	4604	1.3	27.1	41.7	1494	20.2	5522
1987	1518	1632	27 E	7294	7845	3764	1.3	20.8	43.4	1225	20.3	5889
1988	1350	1405	27	7178	7472	3725	1.4	18.8	37.7	1018	19.3	5414
1989	1552	1552	29	7635	7635	3752	1.4	20.3	41.4	1085	20.3	5340
Pakistan												
1979	645	1036	544	11910	19140	4800	82.4	5.4	21.6	13	6.6	232
1980	777	1145	467	14310	21090	4848	85.2	5.4	23.6	13	5.5	247
1981	938	1261	549	16990	22840	5311	88.4	5.5	23.7	14	6.2	258
1982	1113	1406	584	19240	24300	5174	91.3	5.8	27.2	15	6.4	266
1983	1454	1768	584	21250	25840	6099	93.8	6.8	29.0	19	6.2	275
1984	1495	1752	646	23170	27160	6493	96.5	6.5	27.0	18	6.7	282
1985	1748	1990	644	25570	29100	7071	99.3	6.8	28.1	20	6.5	293
1986	1937	2149	573	27580	30610	8569	102.3	7.0	25.1	21	5.6	299
1987	2098	2257	572	30240	32520	8766	105.4	6.9	25.7	21	5.4	309
1988	2309	2404	484	33680	35060	8876	108.5	6.9	27.1	22	4.5	323
1989	2488	2488	520	36810	36810	10130	111.7	6.8	24.5	22	4.7	330
Panama												
1979	26 E	43 E	8	2399	3857	1538	1.9	1.1	2.8	22	4.2	2014
1980	NA	NA	8	2889	4256	1514	2.0	NA	NA	NA	4.1	2175
1981	39 E	52 E	9	3323	4467	1695	2.0	1.2	3.1	26	4.5	2236
1982	56 E	71 E	10	3694	4665	2019	2.0	1.5	3.5	35	4.9	2284
1983	82 E	99 E	10	3824	4651	1834	2.1	2.1	5.4	48	4.8	2228
1984	92 E	108 E	11	3994	4682	1904	2.1	2.3	5.7	51	5.2	2195
1985	94 E	107 E	12	4266	4856	1773	2.2	2.2	6.0	49	5.5	2227
1986	98 E	109 E	12	4552	5051	1932	2.2	2.2	5.7	49	5.4	2267
1987	100	107	12	4804	5167	1935	2.3	2.1	5.6	47	5.4	2270
1988	101	105	11	4049	4215	1445	2.3	2.5	7.3	45	4.7	1813
1989	141	141	14	4134	4134	NA	2.4	3.4	NA	59	5.9	1741

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars
Papua New Guinea												
1979	25	40	4	1869	3005	983	2.9	1.3	4.1	14	1.4	1033
1980	31	46	3	1970	2903	1056	3.0	1.6	4.3	15	1.0	970
1981	34	46	3	2160	2904	1188	3.1	1.6	3.9	15	1.0	946
1982	35	45	3	2274	2873	1130	3.1	1.6	4.0	14	1.0	912
1983	34	41	3	2420	2942	1035	3.2	1.4	4.0	13	0.9	911
1984	40	47	3	2564	3005	1014	3.3	1.6	4.7	14	0.9	908
1985	40	46	3	2734	3112	1014	3.4	1.5	4.5	13	0.9	917
1986	43	47	3	2918	3238	1082	3.5	1.5	4.4	14	0.9	932
1987	44	47	3	3062	3293	1054	3.6	1.4	4.5	13	0.9	925
1988	46 E	48 E	3	3278	3413	1038	3.6	1.4	4.6	13	0.9	936
1989	48	48	3	3375	3375	1192	3.7	1.4	4.0	13	0.9	904
Paraguay												
1979	27	44	15	1857	2985	327	3.3	1.5	13.4	13	4.6	914
1980	32	48	15	2334	3439	357	3.4	1.4	13.3	14	4.4	1018
1981	42	56	15	2788	3747	424	3.5	1.5	13.2	16	4.3	1073
1982	51 E	64 E	16	2915	3682	401	3.6	1.7	16.0	18	4.4	1019
1983	69 E	84 E	16	2809	3416	375	3.7	2.5	22.4	22	4.3	915
1984	48 E	56 E	17	2991	3507	390	3.9	1.6	14.5	15	4.4	908
1985	37 E	43 E	14	3180	3620	357	4.0	1.2	11.9	11	3.5	907
1986	NA	NA	16	3222	3575	312	4.1	NA	NA	NA	3.9	868
1987	37 E	40 E	16	3449	3709	362	4.3	1.1	11.0	9	3.8	872
1988	55 E	57 E	16	3811	3967	368	4.4	1.4	15.6	13	3.6	905
1989	61	61	16	4323	4323	NA	4.5	1.4	NA	13	3.5	956
Peru												
1979	935	1503	125	25330	40720	7079	16.8	3.7	21.2	89	7.4	2417
1980	1457	2147	151	29300	43180	10080	17.3	5.0	21.3	124	8.7	2497
1981	1432	1926	157	33810	45450	10160	17.8	4.2	19.0	108	8.8	2560
1982	1673	2113	164	36120	45620	9550	18.2	4.6	22.1	116	9.0	2502
1983	1562	1899	167	32270	39250	8959	18.7	4.8	21.2	102	8.9	2098
1984	1963 E	2301 E	135	34950	40970	8676	19.2	5.6	26.5	120	7.0	2137
1985	2356 E	2682 E	128	36430	41470	8448	19.6	6.5	31.7	137	6.5	2113
1986	2801 E	3109 E	127	41840	46430	9118	20.1	6.7	34.1	155	6.3	2312
1987	2450 E	2635 E	127	46840	50380	9545	20.5	5.2	27.6	128	6.2	2453
1988	NA	NA	111	43280	45050	6395	21.0	NA	NA	NA	5.3	2146
1989	NA	NA	110	40820	40820	5554	21.4	NA	NA	NA	5.1	1903
Philippines												
1979	518	833	156	22610	36350	4947	49.5	2.3	16.8	17	3.2	734
1980	501	738	155	25900	38170	5448	50.9	1.9	13.5	15	3.0	750
1981	534	718	156	29340	39440	6222	52.2	1.8	11.5	14	3.0	756
1982	527	665	157	31820	40190	6279	53.5	1.7	10.6	12	2.9	751
1983	539	656	157	33450	40680	5700	54.9	1.6	11.5	12	2.9	741
1984	387	454	157	32200	37750	4781	56.2	1.2	9.5	8	2.8	671
1985	405	461	157	31810	36220	4854	57.6	1.3	9.5	8	2.7	629
1986	627	695	161	33240	36890	6595	59.0	1.9	10.5	12	2.7	626
1987	648	697	161	36330	39080	6664	60.3	1.8	10.5	12	2.7	648
1988	675	702	105	40010	41650	6890	61.7	1.7	10.2	11	1.7	675
1989	960	960	106	43960	43960	7912	63.0	2.2	12.1	15	1.7	697

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989	Constant 1989		Millions	%	%	Constant 1989 dollars	Soldiers
Poland	E	E						C	C			
1979	8538	13730	399	101700	163500	57440	35.3	8.4	23.9	389	11.3	4639
1980	9644	14210	408	108100	159300	61180	35.6	8.9	23.2	399	11.5	4477
1981	10490	14100	414	112300	150900	62200	35.9	9.3	22.7	393	11.5	4204
1982	12440	15710	420	118300	149500	42060	36.2	10.5	37.3	434	11.6	4126
1983	12730	15480	426	129000	156900	36680	36.6	9.9	42.2	423	11.7	4291
1984	13670	16030	434	138700	162700	40610	36.9	9.9	39.5	434	11.8	4408
1985	14670	16700	439	144400	164300	41050	37.2	10.2	40.7	449	11.8	4417
1986	15230	16900	443	152800	169600	40240	37.5	10.0	42.0	451	11.8	4528
1987	15450	16620	441	155400	167100	35690	37.7	9.9	46.6	441	11.7	4437
1988	15350	15980	430	170900	177900	35160	37.8	9.0	45.5	423	11.4	4709
1989	15480	15480	350	174700	174700	66160	37.8	8.9	23.4	410	9.3	4625
Portugal												
1979	739	1189	81	20920	33640	12930	9.7	3.5	9.2	122	8.3	3459
1980	858	1265	88	23770	35030	14600	9.8	3.6	8.7	129	9.0	3583
1981	949	1276	88	25840	34730	16270	9.9	3.7	7.8	130	9.0	3526
1982	1017	1285	91	28020	35390	16100	9.9	3.6	8.0	129	9.1	3566
1983	1028	1250	93	29050	35330	16790	10.0	3.5	7.4	125	9.3	3532
1984	1020	1195	100	29370	34430	15950	10.1	3.5	7.5	119	9.9	3414
1985	1051	1196	102	31470	35820	18360	10.2	3.3	6.5	118	10.0	3525
1986	1124	1248	101	34280	38050	19200	10.2	3.3	6.5	122	9.9	3727
1987	1183	1272	105	37520	40350	18660	10.2	3.2	6.8	124	10.2	3937
1988	1338	1393	104	40520	42180	19080	10.3	3.3	7.3	135	10.1	4100
1989	1457	1457	104	44620	44620	19440	10.3	3.3	7.5	141	10.1	4323
Qatar					E							
1979	475	763	5	5356	8611	3652	0.2	8.9	20.9	3536	23.2	39900
1980	604	891	6	8409	12390	4427	0.2	7.2	20.1	3861	26.0	53720
1981	NA	NA	6	9196	12360	5444	0.2	NA	NA	NA	24.7	50980
1982	NA	NA	6	8145	10290	4379	0.3	NA	NA	NA	23.5	40350
1983	NA	NA	6	6927	8423	4500 E	0.3	NA	NA	NA	20.9	29360
1984	NA	NA	6	7239	8487	4670 E	0.3	NA	NA	NA	18.9	26690
1985	NA	NA	7 E	6722	7652	4895 E	0.3	NA	NA	NA	20.1	21950
1986	NA	NA	9 E	5677	6300	5105 E	0.4	NA	NA	NA	24.0	16800
1987	NA	NA	11	5923	6371	3620 E	0.4	NA	NA	NA	27.2	15740
1988	NA	NA	7	6030	6277	3539 E	0.4	NA	NA	NA	16.1	14460
1989	NA	NA	7	6870	6870	NA	0.5	NA	NA	NA	15.1	14850
Romania	E	E						C	C			
1979	4252	6835	210	68590	110300	51370	22.0	6.2	13.3	310	9.5	5001
1980	4587	6759	211	74990	110500	43840	22.2	6.1	15.4	304	9.5	4977
1981	4987	6704	212	81750	109900	38490	22.4	6.1	17.4	300	9.5	4916
1982	5683	7178	213	87040	109900	29970	22.5	6.5	24.0	319	9.5	4891
1983	6273	7628	232	89640	109000	25720	22.6	7.0	29.7	338	10.3	4834
1984	6514	7637	236	96620	113300	27530	22.6	6.7	27.7	338	10.4	5007
1985	6840	7787	237	99330	113100	39010	22.7	6.9	20.0	343	10.4	4977
1986	7059	7833	238	103600	114900	41510	22.8	6.8	18.9	343	10.4	5037
1987	7485	8050	248	104600	112500	37470	22.9	7.2	21.5	351	10.8	4906
1988	7004	7291	220	112300	117000	39120	23.0	6.2	18.6	316	9.5	5076
1989	6916	6916	207	113400	113400	40970	23.2	6.1	16.9	299	8.9	4896

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP	
	Million dollars			Million dollars				Million dollars	GNP	CGE		PER CAPITA	PER CAPITA
	Current	Constant 1989		Current	Constant 1989			Constant 1989	Millions	%		%	Constant 1989 dollars
Rwanda													
1979	19	30	4	1049	1687	247	5.1	1.8	12.1	6	0.8	331	
1980	24	35	5	1269	1869	271	5.3	1.9	12.9	7	0.9	354	
1981	26	34	5	1540	2070	297	5.5	1.7	11.6	6	0.9	378	
1982	NA	NA	5	1645	2078	319	5.7	NA	NA	NA	0.9	365	
1983	40	49	5	1804	2193	347	5.9	2.2	14.0	8	0.8	371	
1984	NA	NA	5	1793	2102	NA	6.1	NA	NA	NA	0.8	343	
1985	33 E	38 E	5	1928	2195	404 E	6.3	1.7	9.4	6	0.8	346	
1986	NA	NA	5	2084	2313	NA	6.6	NA	NA	NA	0.8	352	
1987	42	45	5	2144	2305	377	6.8	2.0	12.0	7	0.7	338	
1988	35 E	37 E	5	2218	2309	365	7.1	1.6	10.0	5	0.7	327	
1989	NA	NA	6	2160	2160	355	7.3	NA	NA	NA	0.8	295	
Sao Tome & Principe													
1979	0	1	NA	31	49	26	0.1	1.3	2.5	7	NA	537	
1980	1	1	NA	38	56	37	0.1	1.6	2.5	10	NA	597	
1981	NA	NA	2	30	41	30 E	0.1	NA	NA	NA	20.7	421	
1982	NA	NA	2	38	48	NA	0.1	NA	NA	NA	20.2	485	
1983	NA	NA	2	37	45	NA	0.1	NA	NA	NA	19.6	439	
1984	NA	NA	2	37	44	NA	0.1	NA	NA	NA	19.1	418	
1985	NA	NA	2	37	42	NA	0.1	NA	NA	NA	18.6	389	
1986	NA	NA	1	39	44	NA	0.1	NA	NA	NA	9.0	394	
1987	NA	NA	1	40	43	12	0.1	NA	NA	NA	8.8	377	
1988	NA	NA	1	42	44	7	0.1	NA	NA	NA	8.5	374	
1989	NA	NA	1	45	45	NA	0.1	NA	NA	NA	8.3	368	
Saudi Arabia													
1979	12390	19910	79	68410	110000	72900	9.5	18.1	27.3	2103	8.3	11610	
1980	14990	22090	79	104800	154400	82620	10.1	14.3	26.7	2176	7.8	15210	
1981	18410	24750	79	151700	203900	87940	10.8	12.1	28.1	2293	7.3	18890	
1982	22040	27830	80	129500	163600	100500	11.4	17.0	27.7	2436	7.0	14310	
1983	24800	30160	80	112700	137100	101800	12.1	22.0	29.6	2495	6.6	11340	
1984	20400	23910	80 E	103500	121300	82450	12.8	19.7	29.0	1872	6.3	9496	
1985	21340	24290	80 E	94140	107200	89960	13.5	22.7	27.0	1803	5.9	7954	
1986	17290	19190	80 E	82860	91950	59960	14.2	20.9	32.0	1353	5.6	6482	
1987	16210 E	17430 E	80 E	83420	89730	37650 E	14.9	19.4	46.3	1170	5.4	6020	
1988	13600	14160	84	85320	88820	39220 E	15.6	15.9	36.1	906	5.3	5681	
1989	14690	14690	82	91670	91670	38100 E	16.4	16.0	38.5	897	5.0	5600	
Senegal													
1979	79	127	8	2218	3565	707	5.6	3.6	18.0	23	1.4	640	
1980	94	139	8	2339	3446	831	5.7	4.0	16.7	24	1.4	601	
1981	80	108	14	2521	3388	925	5.9	3.2	11.6	18	2.4	574	
1982	87	110	18	3087	3899	1126	6.1	2.8	9.8	18	3.0	642	
1983	89	108	18	3300	4013	1122	6.3	2.7	9.6	17	2.9	641	
1984	88 E	103 E	18	3226	3782	1180	6.4	2.7	8.7	16	2.8	587	
1985	95 E	108 E	18	3433	3908	1226 E	6.6	2.8	8.8	16	2.7	589	
1986	99 E	110 E	18	3696	4101	1476 E	6.8	2.7	7.5	16	2.6	600	
1987	88 E	94 E	18	3971	4271	1405 E	7.0	2.2	6.7	13	2.6	606	
1988	89 E	92 E	14	4318	4495	1488 E	7.3	2.1	6.2	13	2.0	619	
1989	90 E	90 E	15	4441	4441	1419	7.5	2.0	6.3	12	1.9	593	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME GNP	ME CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers
Sierra Leone												
1979	6	10	2	392	630	199	3.3	1.6	5.1	3	0.6	194
1980	5	7	2	446	658	202	3.3	1.1	3.5	2	0.6	198
1981	7	9	4	523	703	199	3.4	1.3	4.8	3	1.2	208
1982	6	8	4	564	712	164	3.5	1.2	5.0	2	1.2	206
1983	6	7	6	580	706	170	3.5	1.0	4.0	2	1.7	200
1984	5	5	4	610	716	126	3.6	0.7	4.2	1	1.1	199
1985	5 E	5 E	4	609	694	104	3.7	0.7	5.0	1	1.1	188
1986	NA	NA	4	545	605	NA	3.8	NA	NA	NA	1.1	160
1987	6 E	6 E	6	650	699	NA	3.9	0.9	NA	2	1.6	181
1988	5 E	5 E	4	672	699	69	4.0	0.7	7.0	1	1.0	177
1989	NA	NA	4	686	686	NA	4.1	NA	NA	NA	1.0	169
Singapore												
1979	427	687	57	8772	14100	3251	2.4	4.9	21.1	288	23.9	5916
1980	533	785	50	10170	14990	3768	2.4	5.2	20.8	325	20.7	6209
1981	646	868	59	12180	16370	4925	2.4	5.3	17.6	356	24.2	6699
1982	708	895	60	14000	17680	5001	2.5	5.1	17.9	362	24.3	7151
1983	673	819	60	16100	19580	5921	2.5	4.2	13.8	327	24.0	7829
1984	955	1119	59	18530	21720	5351	2.5	5.2	20.9	443	23.3	8589
1985	1125	1281	59	19080	21720	7511	2.6	5.9	17.0	501	23.1	8491
1986	1093	1213	56	19940	22120	8048	2.6	5.5	15.1	469	21.5	8559
1987	1137	1223	55	22020	23680	8207	2.6	5.2	14.9	468	21.1	9063
1988	1343	1398	56	25430	26480	5770	2.6	5.3	24.2	528	21.0	10000
1989	1475	1475	56	28890	28890	7807	2.7	5.1	18.9	550	20.7	10760
Somalia												
1979	38	62	54	651	1046	363	5.3	5.9	17.0	12	10.2	197
1980	23	34	54	679	1001	184	5.8	3.4	18.4	6	9.3	173
1981	30	40	54	783	1052	162	5.8	3.8	24.9	7	9.3	180
1982	31	40	54	859	1085	198	5.8	3.7	20.0	7	9.2	186
1983	31 E	37 E	48	820	997	164	6.0	3.7	22.7	6	8.0	165
1984	25 E	30 E	43	839	984	109	6.2	3.0	27.5	5	6.9	158
1985	NA	NA	43	934	1063	NA	6.5	NA	NA	NA	6.6	164
1986	31 E	35 E	50	985	1093	116 E	6.8	3.2	30.0	5	7.4	161
1987	NA	NA	50	1095	1178	NA	7.0	NA	NA	NA	7.1	168
1988	NA	NA	47	1111	1156	NA	7.0	NA	NA	NA	6.7	164
1989	NA	NA	47	1173	1173	NA	6.8	NA	NA	NA	6.9	172
South Africa												
1979	1890	3038	70	43030	69180	19790	29.4	4.4	15.4	103	2.4	2349
1980	2563	3777	70	49600	73080	19580	30.3	5.2	19.3	125	2.3	2414
1981	2483 E	3337 E	78	59890	80510	21850	31.1	4.1	15.3	107	2.5	2589
1982	2195 E	2772 E	78	61190	77290	21900	31.9	3.6	12.7	87	2.4	2419
1983	2931 E	3564 E	77	63000	76610	22800	32.8	4.7	15.6	109	2.3	2334
1984	2818 E	3304 E	97	68890	80770	24380	33.7	4.1	13.5	98	2.9	2395
1985	2612	2974	95	70500	80260	25670	34.6	3.7	11.6	86	2.7	2317
1986	2771	3074	90	72560	80530	26700	35.6	3.8	11.5	86	2.5	2264
1987	3323 E	3574 E	102	77110	82930	28520	36.5	4.3	12.5	98	2.8	2271
1988	3555	3701	100	83610	87040	24640	37.5	4.3	15.0	99	2.7	2321
1989	3786	3786	100	86750	86750	28130	38.5	4.4	13.5	98	2.6	2253

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				GNP	CGE			Constant 1989 dollars
	Current	Constant 1989		Current	Constant 1989	Constant 1989	Millions	%	%	Soldiers		
Soviet Union	E	E						C	C,E			
1979	176900	284400	3900	1390000	2235000	509600	264.1	12.7	55.8	1077	14.8	8460
1980	198200	292000	3900	1532000	2257000	546600	266.4	12.9	53.4	1096	14.6	8473
1981	219600	295200	3900	1699000	2284000	571300	268.7	12.9	51.7	1099	14.5	8499
1982	237900	300500	3900	1850000	2337000	616400	271.1	12.9	48.8	1108	14.4	8619
1983	250700	304900	3900	1965000	2390000	606800	273.6	12.8	50.2	1114	14.3	8733
1984	263700	309200	3900	2063000	2419000	615500	276.3	12.8	50.2	1119	14.1	8755
1985	277200	315600	3900	2145000	2442000	630700	278.9	12.9	50.0	1132	14.0	8757
1986	287600	319200	3900	2275000	2525000	680300	281.5	12.6	46.9	1134	13.9	8970
1987	303000	325900	3900	2393000	2574000	709900	284.0	12.7	45.9	1147	13.7	9062
1988	317900	330900	3900	2526000	2630000	712500	286.4	12.6	46.4	1155	13.6	9180
1989	311000	311000	3700	2664000	2664000	680000	288.7	11.7	45.7	1077	12.8	9226
Spain												
1979	3822	6145	374	178100	286300	79910	37.2	2.1	7.7	165	10.1	7695
1980	4560	6719	356	196200	289100	82650	37.5	2.3	8.1	179	9.5	7711
1981	5112	6872	366	213400	286900	85800	37.8	2.4	8.0	182	9.7	7599
1982	5541	6998	372	229800	290200	91790	38.0	2.4	7.6	184	9.8	7642
1983	5999	7295	355	242600	295000	98250	38.2	2.5	7.4	191	9.3	7729
1984	6167	7231	342	256200	300400	107500	38.3	2.4	6.7	189	8.9	7835
1985	6639	7558	314	271000	308500	108800	38.5	2.4	6.9	196	8.2	8014
1986	6505	7219	314	287800	319300	110000	38.7	2.3	6.6	187	8.1	8260
1987	7554	8125	314	313800	337500	118500	38.8	2.4	6.9	209	8.1	8692
1988	7244	7541	304	340200	354200	103800 E	39.0	2.1	7.3	193	7.8	9084
1989	7775	7775	277	370700	370700	135500 E	39.1	2.1	5.7	199	7.1	9471
Sri Lanka												
1979	45	72	18	2891	4648	1769	14.6	1.5	4.1	5	1.2	317
1980	49	72	18	3333	4911	2097	14.9	1.5	3.4	5	1.2	330
1981	48	65	18	3801	5110	1722	15.2	1.3	3.8	4	1.2	337
1982	53	67	18	4352	5497	1837	15.4	1.2	3.7	4	1.2	357
1983	68	83	19	4674	5684	1862	15.6	1.5	4.5	5	1.2	364
1984	78	91	21	4975	5832	1868	15.8	1.6	4.9	6	1.3	369
1985	157	179	21	5517	6280	2145	16.0	2.9	8.4	11	1.3	392
1986	144	159	25 E	5903	6551	2170	16.2	2.4	7.4	10	1.5	403
1987	189	203	30 E	6161	6626	2161	16.5	3.1	9.4	12	1.8	402
1988	300	313	47	6519	6786	2345	16.7	4.6	13.3	19	2.8	406
1989	223	223	47	6939	6939	2194	17.0	3.2	10.2	13	2.8	409
Sudan	E	E										
1979	279	449	65	8193	13170	2786	18.2	3.4	16.1	25	3.6	722
1980	302	445	65	9000	13260	2684	18.9	3.4	16.6	24	3.4	702
1981	317	426	87	9896	13300	2883 E	19.5	3.2	14.8	22	4.5	683
1982	442	558	86	11740	14830	2976	20.1	3.8	18.8	28	4.3	737
1983	230	280	86	12390	15060	NA	21.8	1.9	NA	13	4.0	693
1984	236	277	65	12000	14070	NA	22.6	2.0	NA	12	2.9	624
1985	220	250	65	11700	13310	NA	23.5	1.9	NA	11	2.8	567
1986	201	223	59	13270	14720	NA	24.2	1.5	NA	9	2.4	607
1987	313	337	59 E	13950	15000	NA	24.8	2.2	NA	14	2.4	606
1988	286	298	65	13640	14200	2550 E	25.2	2.1	11.7	12	2.6	563
1989	339	339	65	15640	15640	NA	25.7	2.2	NA	13	2.5	608

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			GNP	CGE			PER CAPITA				
	Current	Constant 1989							Current	Constant 1989		
Suriname												
1979	NA	NA	1	1012	1626	596	0.4	NA	NA	NA	2.8	4472
1980	NA	NA	1	1061	1564	582	0.4	NA	NA	NA	2.8	4407
1981	NA	NA	1	1282	1724	676	0.4	NA	NA	NA	2.8	4884
1982	NA	NA	2	1277	1613	683	0.4	NA	NA	NA	5.6	4484
1983	NA	NA	2	1189	1446	656	0.4	NA	NA	NA	5.5	3957
1984	29	34	2	1178	1381	636	0.4	2.5	5.4	92	5.4	3726
1985	32 E	36 E	2	1184	1348	674	0.4	2.7	5.4	96	5.3	3591
1986	31 E	35 E	3 E	1218	1352	713	0.4	2.6	4.9	91	7.9	3564
1987	NA	NA	4	1114	1198	614	0.4	NA	NA	NA	9.7	3134
1988	38	40	4	1195	1244	550	0.4	3.2	7.2	103	10.4	3221
1989	39	39	4	1319	1319	543	0.4	3.0	7.2	100	10.2	3371
Swaziland												
1979	6	10	2	271	435	160	0.6	2.3	6.3	17	3.4	744
1980	7	10	2	292	430	133	0.6	2.4	7.7	17	3.3	709
1981	7	9	2	350	471	172	0.6	2.0	5.5	15	3.2	754
1982	8	10	2	382	482	172	0.6	2.0	5.7	15	3.1	752
1983	8	10	3	399	485	163	0.7	2.0	6.0	15	4.5	734
1984	8	9	3	444	521	164	0.7	1.7	5.6	13	4.4	764
1985	8	9	3	471	536	177	0.7	1.7	5.2	13	4.3	761
1986	8	9	3	501	556	171	0.7	1.6	5.4	13	4.1	764
1987	7	8	3	511	550	152	0.8	1.4	5.0	10	3.9	721
1988	8	8	3	594	619	158	0.8	1.4	5.3	11	3.8	779
1989	11	11	4	644	644	197	0.8	1.7	5.5	13	4.9	790
Sweden												
1979	3036	4880	68	96220	154700	67150	8.3	3.2	7.3	588	8.2	18650
1980	3257	4799	70	106000	156100	68440	8.3	3.1	7.0	577	8.4	18790
1981	3623	4870	70	115300	155000	72130	8.3	3.1	6.8	585	8.4	18630
1982	3988	5037	70	123400	155800	73860	8.3	3.2	6.8	605	8.4	18720
1983	4158	5057	68	130200	158300	75950	8.3	3.2	6.7	607	8.2	19010
1984	4245	4977	69	140100	164300	75900	8.3	3.0	6.6	597	8.3	19690
1985	4390	4998	69 E	147600	168000	79240	8.4	3.0	6.3	598	8.3	20110
1986	4447	4935	66	155300	172300	75190	8.4	2.9	6.6	589	7.8	20580
1987	4641	4991	66	165800	178300	74500	8.4	2.8	6.7	594	7.8	21220
1988	4875	5075	65	174800	182000	74020	8.4	2.8	6.9	601	7.7	21550
1989	4872	4872	62	185800	185800	74600	8.5	2.6	6.5	574	7.4	21900
Switzerland												
1979	2247	3612	23	91190	146600	29470	6.4	2.5	12.3	569	3.6	23080
1980	2461	3626	23	103700	152800	30110	6.4	2.4	12.0	568	3.6	23930
1981	2698	3626	23	116300	156300	29660	6.4	2.3	12.2	564	3.6	24310
1982	2948	3723	23	122300	154500	30330	6.5	2.4	12.3	576	3.6	23890
1983	3119	3794	28	128700	156500	31350	6.5	2.4	12.1	585	4.3	24140
1984	3318	3890	25	137300	160900	32660	6.5	2.4	11.9	598	3.8	24740
1985	3487 E	3970 E	23 E	146400	166700	33490 E	6.5	2.4	11.9	608	3.5	25510
1986	3512 E	3898 E	21	153100	169800	35350 E	6.6	2.3	11.0	593	3.2	25840
1987	3357 E	3610 E	20	160800	172900	35350 E	6.6	2.1	10.2	545	3.0	26120
1988	3468 E	3610 E	23	172300	179400	37760 E	6.7	2.0	9.6	542	3.5	26940
1989	3806 E	3806 E	17	184300	184300	NA	6.7	2.1	NA	568	2.5	27510

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Thousands	Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers
Syria	d	d										
1979	1463	2352	220	9220	14820	5789	8.4	15.9	40.6	280	26.2	1762
1980	1936	2852	250	11230	16550	7966	8.7	17.2	35.8	328	28.8	1904
1981	1959	2634	270	13450	18090	6980	9.0	14.6	37.7	293	30.1	2014
1982	2289	2891	300	14500	18320	8391	9.3	15.8	34.5	311	32.3	1970
1983	3340 E	4061 E	400	15310	18610	9906 E	9.6	21.8	41.0	421	41.5	1932
1984	3462 E	4059 E	402	15260	17890	9742 E	10.0	22.7	41.7	406	40.2	1791
1985	3627 E	4129 E	402	16670	18980	9831 E	10.4	21.8	42.0	399	38.8	1832
1986	2911 E	3230 E	400	16210	17980	6735	10.7	18.0	48.0	301	37.2	1673
1987	1801 E	1937 E	400	16680	17940	4793	11.2	10.8	40.4	174	35.9	1608
1988	1801 E	1875 E	400	19460	20260	4376	11.6	9.3	42.8	162	34.5	1750
1989	2234	2234	400	19320	19320	3200	12.0	11.6	69.8	186	33.3	1608
Tanzania												
1979	128	207	53	1411	2268	799	18.2	9.1	25.9	11	2.9	125
1980	42	61	53	1579	2327	669	18.7	2.6	9.2	3	2.8	124
1981	56	76	43	1711	2300	638	19.3	3.3	11.9	4	2.2	119
1982	72	91	43	1814	2292	728 E	19.9	4.0	12.5	5	2.2	115
1983	68	83	43	1872	2277	615	20.6	3.6	13.5	4	2.1	111
1984	63	74	43	2022	2371	547	21.2	3.1	13.4	3	2.0	112
1985	64	73	43	2078	2366	567	21.9	3.1	12.8	3	2.0	108
1986	NA	NA	40	2217	2460	499	22.6	NA	NA	NA	1.8	109
1987	78	84	40 E	2281	2453	571	23.4	3.4	14.8	4	1.7	105
1988	93	97	40	2461	2562	664	24.3	3.8	14.6	4	1.6	106
1989	110	110	40	2642	2642	1095	25.1	4.1	10.0	4	1.6	105
Thailand												
1979	884	1421	250	21260	34180	6010	46.0	4.2	23.6	31	5.4	743
1980	1011	1489	234	24430	36000	7110	47.0	4.1	20.9	32	5.0	766
1981	1103	1482	250	28310	38050	7272	48.0	3.9	20.4	31	5.2	793
1982	1307	1651	250	31350	39600	8556	49.0	4.2	19.3	34	5.1	809
1983	1361	1655	250	35190	42790	8642	49.9	3.9	19.2	33	5.0	857
1984	1532	1796	250	38920	45630	9060	50.8	3.9	19.8	35	4.9	898
1985	1814	2065	270	41280	46990	10470	51.7	4.4	19.7	40	5.2	908
1986	1730	1920	275 E	44100	48940	10300	52.6	3.9	18.6	36	5.2	930
1987	1730	1860	275 E	49400	53130	10160	53.5	3.5	18.3	35	5.1	993
1988	1741	1813	273	58670	61080	9973	54.3	3.0	18.2	33	5.0	1124
1989	1843	1843	273	68770	68770	10410	55.2	2.7	17.7	33	4.9	1246
Togo												
1979	17	27	4	670	1077	503	2.5	2.5	5.4	11	1.6	427
1980	18	27	4	831	1225	402	2.6	2.2	6.6	10	1.5	472
1981	21	28	6	875	1176	393	2.7	2.4	7.1	10	2.2	438
1982	21	26	6	891	1125	369	2.8	2.3	7.0	9	2.2	406
1983	19	23	6	870	1058	340	2.9	2.2	6.8	8	2.1	369
1984	21	25	7	910	1067	398	3.0	2.3	6.2	8	2.4	359
1985	26	29	7	992	1130	425	3.1	2.6	6.9	10	2.3	368
1986	31	35	7 E	1056	1171	461	3.2	3.0	7.6	11	2.2	368
1987	40	43	8	1103	1186	388	3.3	3.6	11.1	13	2.4	360
1988	NA	NA	6	1200	1249	280 E	3.4	NA	NA	NA	1.7	365
1989	43 E	43 E	6	1292	1292	265 E	3.5	3.3	16.3	12	1.7	365

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars									Million dollars
	Current	Constant 1989		Current	Constant 1989								Constant 1989
Trinidad and Tobago													
1979	29	47	1	3301	5307	2125	1.0	0.9	2.2	45	1.0	5152	
1980	22	32	1	3994	5884	2227	1.1	0.5	1.5	30	0.9	5396	
1981	31	41	2	4776	6420	2692	1.1	0.6	1.5	37	1.8	5795	
1982	98 E	123 E	2	5391	6809	3346	1.1	1.8	3.7	109	1.8	6041	
1983	146 E	177 E	2	5019	6103	3903	1.1	2.9	4.5	154	1.7	5317	
1984	125 E	146 E	2	4655	5458	2469	1.2	2.7	5.9	125	1.7	4671	
1985	NA	NA	2	4292	4886	2189	1.2	NA	NA	NA	1.7	4108	
1986	NA	NA	2	4380	4860	1916	1.2	NA	NA	NA	1.7	4015	
1987	NA	NA	2	4046	4352	1694	1.2	NA	NA	NA	1.6	3543	
1988	NA	NA	2 E	3843	4000	1492	1.2	NA	NA	NA	1.6	3218	
1989	59	59	2	3735	3735	1338	1.3	1.6	4.4	47	1.7	2972	
Tunisia													
1979	219	352	24	4177	6715	2603	6.3	5.2	13.5	56	3.8	1068	
1980	196	288	29	4926	7259	2599	6.5	4.0	11.1	45	4.5	1125	
1981	159	214	29	5666	7616	2730	6.6	2.8	7.8	32	4.4	1151	
1982	251	317	32	5990	7565	3162	6.7	4.2	10.0	47	4.7	1121	
1983	320	389	28	6533	7945	3458	6.9	4.9	11.3	57	4.1	1156	
1984	230	270	38	7182	8419	3612	7.0	3.2	7.5	38	5.4	1196	
1985	277 E	315 E	38 E	7724	8793	3573	7.2	3.6	8.8	44	5.3	1218	
1986	282 E	313 E	38 E	7801	8657	3754	7.4	3.6	8.3	42	5.1	1169	
1987	269 E	289 E	38 E	8459	9098	3482	7.6	3.2	8.3	38	5.0	1199	
1988	238	247	40	8873	9237	3484	7.8	2.7	7.1	32	5.2	1190	
1989	273	273	40	9616	9616	3669	7.9	2.8	7.4	34	5.0	1212	
Turkey													
1979	1390	2234	698	31670	50910	15180	44.2	4.4	14.7	51	15.8	1151	
1980	1635	2409	717	34140	50310	13250	45.1	4.8	18.2	53	15.9	1115	
1981	1945	2615	741	38860	52240	13060	46.2	5.0	20.0	57	16.0	1130	
1982	2315	2924	769	43310	54700	13550	47.4	5.3	21.6	62	16.2	1154	
1983	2317	2818	824	46620	56690	14130	48.6	5.0	19.9	58	17.0	1168	
1984	2322	2722	815	51120	59930	15470	49.7	4.5	17.6	55	16.4	1205	
1985	2552	2906	814	55550	63240	16210	51.0	4.6	17.9	57	16.0	1241	
1986	3010	3340	860	61500	68250	14860	52.2	4.9	22.5	64	16.5	1308	
1987	2980	3205	879	68290	73450	16550	53.5	4.4	19.4	60	16.4	1374	
1988	2826	2942	847	73050	76050	16650	54.7	3.9	17.7	54	15.5	1390	
1989	3150	3150	780	77280	77280	18320	56.0	4.1	17.2	56	13.9	1380	
Uganda													
1979	25	41	6	1916	3081	214	12.5	1.3	19.1	3	0.5	247	
1980	31	45	6	2008	2958	186	12.8	1.5	24.4	4	0.5	232	
1981	44	60	6	2372	3188	197	13.1	1.9	30.3	5	0.5	244	
1982	56	71	10	2534	3201	435	13.4	2.2	16.2	5	0.7	238	
1983	52	64	13	2696	3278	444	13.8	1.9	14.3	5	0.9	237	
1984	47	55	15 E	2627	3079	333	14.3	1.8	16.6	4	1.0	216	
1985	51	58	15 E	2824	3215	375	14.9	1.8	15.6	4	1.0	216	
1986	80	89	15 E	2954	3279	338	15.5	2.7	26.3	6	1.0	211	
1987	NA	NA	15 E	3299	3549	283	16.1	NA	NA	NA	0.9	220	
1988	59	61	25	3646	3796	294	16.7	1.6	20.9	4	1.5	227	
1989	NA	NA	25	4045	4045	NA	17.3	NA	NA	NA	1.4	233	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures, and Population, 1979-1989 — continued

	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA	
	Million dollars			Million dollars		Million dollars		GNP	CGE			Constant 1989 dollars	Constant 1989 dollars
YEAR	Current	Constant 1989		Current	Constant 1989	Constant 1989		Millions	%			%	Soldiers
United Arab Emirates													
	E												
1979	1197	1924	25	23660	38030	3792	0.9	5.1	50.7	2176	28.3	43020	
1980	1724	2541	44	31330	46170	6143	1.0	5.5	41.4	2540	44.0	46150	
1981	2090	2809	44	34820	46800	7362	1.1	6.0	38.2	2553	40.0	42530	
1982	1980	2500	44	32820	41460	6874	1.2	6.0	36.4	2077	36.6	34440	
1983	1973	2399	44	29350	35690	5403	1.3	6.7	44.4	1823	33.4	27120	
1984	1932	2265	44	28890	33870	5004	1.4	6.7	45.3	1575	30.6	23550	
1985	1901 E	2165 E	44	28520	32470	4943	1.6	6.7	43.8	1378	28.0	20680	
1986	1580 E	1753 E	44 E	22700	25190	4041	1.7	7.0	43.4	1023	25.7	14700	
1987	1590	1710	44 E	24760	26630	3884	1.8	6.4	44.0	926	23.8	14420	
1988	1587	1652	43	24590	25590	3739	2.0	6.5	44.2	834	21.7	12910	
1989	1471	1471	43	27760	27760	3613	2.1	5.3	40.7	695	20.3	13110	
United Kingdom													
1979	18920	30420	324	418300	672400	257500	56.2	4.5	11.8	541	5.8	11960	
1980	22080	32530	330	442800	652500	261500	56.3	5.0	12.4	578	5.9	11590	
1981	22860	30730	341	479800	645000	265600	56.4	4.8	11.6	545	6.0	11440	
1982	25780	32560	335	519500	656200	275800	56.3	5.0	11.8	578	5.9	11650	
1983	29270	35600	333	560200	681200	283800	56.4	5.2	12.5	631	5.9	12080	
1984	30790	36100	336	593200	695500	281600	56.5	5.2	12.8	639	6.0	12320	
1985	32560	37070	334	632700	720200	292500	56.6	5.1	12.7	655	5.9	12720	
1986	32780	36380	331	673000	746900	292300	56.8	4.9	12.4	641	5.8	13160	
1987	33320	35840	328	724400	779200	289100	56.9	4.6	12.4	630	5.8	13690	
1988	32710	34050	324	783300	815400	282400	57.1	4.2	12.1	597	5.7	14290	
1989	34630	34630	318	834400	834400	285700	57.2	4.2	12.1	605	5.6	14580	
United States													
1979	122300	196600	2033	2508000	4032000	843500	225.1	4.9	23.3	873	9.0	17920	
1980	144000	212100	2050	2732000	4025000	916900	227.8	5.3	23.1	931	9.0	17670	
1981	169900	228400	2101	3053000	4103000	966000	230.1	5.6	23.6	992	9.1	17830	
1982	196400	248000	2168	3166000	3999000	992300	232.5	6.2	25.0	1067	9.3	17200	
1983	218000	265100	2201	3406000	4142000	1041000	234.8	6.4	25.5	1129	9.4	17640	
1984	237100	277900	2222	3772000	4422000	1051000	237.0	6.3	26.4	1173	9.4	18660	
1985	265800	302600	2244	4015000	4571000	1143000	239.3	6.6	26.5	1265	9.4	19100	
1986	280900	311700	2269	4232000	4696000	1149000	241.6	6.6	27.1	1290	9.4	19430	
1987	288200	309900	2279	4516000	4857000	1137000	243.9	6.4	27.2	1271	9.3	19910	
1988	293100	305100	2246	4874000	5073000	1164000	246.3	6.0	26.2	1239	9.1	20600	
1989	304100	304100	2241	5201000	5201000	1190000	248.8	5.8	25.5	1222	9.0	20910	
Upper Volta (see Burkina Faso)													
Uruguay													
1979	117	188	28	4908	7891	1682	2.9	2.4	11.2	65	9.6	2716	
1980	167	246	28	5662	8343	1873	2.9	2.9	13.1	84	9.6	2857	
1981	249	334	28	6344	8528	2167	2.9	3.9	15.4	114	9.5	2905	
1982	247	312	29	6019	7602	2358	3.0	4.1	13.2	105	9.8	2574	
1983	192	233	30	5708	6942	1879	3.0	3.4	12.4	78	10.1	2335	
1984	161	189	30	5741	6730	1739	3.0	2.8	10.9	63	10.0	2251	
1985	155	176	30	5938	6760	1660	3.0	2.6	10.6	59	10.0	2247	
1986	163	181	30 E	6720	7457	1799	3.0	2.4	10.1	60	9.9	2464	
1987	138	148	28	7394	7953	1926	3.0	1.9	7.7	49	9.2	2612	
1988	162	169	29	7661	7975	2072	3.1	2.1	8.1	55	9.5	2603	
1989	NA	NA	27	8066	8066	1500	3.1	NA	NA	NA	8.8	2617	

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME / GNP	ME / CGE	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP PER CAPITA
	Million dollars			Million dollars								
	Current	Constant 1989		Current	Constant 1989	Constant 1989	Millions	%	%	Constant 1989 dollars	Soldiers	Constant 1989 dollars
Venezuela												
1979	338	543	55	27940	44920	8560	14.6	1.2	6.3	37	3.8	3087
1980	317	467	55	29250	43100	9607	15.0	1.1	4.9	31	3.7	2869
1981	310	417	55	32040	43070	12990	15.5	1.0	3.2	27	3.6	2782
1982	480	607	56	32550	41110	11910	15.9	1.5	5.1	38	3.5	2580
1983	617	750	56	32330	39320	9467	16.4	1.9	7.9	46	3.4	2399
1984	580	680	64	33690	39500	8863	16.8	1.7	7.7	40	3.8	2345
1985	358	407	71	34740	39550	9076	17.3	1.0	4.5	24	4.1	2285
1986	490	544	66	38360	42570	10580	17.8	1.3	5.1	31	3.7	2395
1987	1207 E	1298 E	69	40810	43900	10830 E	18.2	3.0	12.0	71	3.8	2406
1988	647 E	674 E	73	44740	46570	9629 E	18.7	1.4	7.0	36	3.9	2487
1989	407 E	407 E	75	41460	41460	7792 E	19.2	1.0	5.2	21	3.9	2158
Vietnam												
1979	NA	NA	650	NA	NA	NA	52.5	NA	NA	NA	12.4	NA
1980	NA	NA	900	8400 E	12380 E	NA	53.4	NA	NA	NA	16.9	232
1981	NA	NA	1000	NA	NA	NA	54.5	NA	NA	NA	18.4	NA
1982	NA	NA	1000	NA	NA	NA	55.6	NA	NA	NA	18.0	NA
1983	NA	NA	1000	NA	NA	NA	56.8	NA	NA	NA	17.6	NA
1984	NA	NA	1000	NA	NA	NA	58.0	NA	NA	NA	17.2	NA
1985	NA	NA	1000	NA	NA	NA	59.3	NA	NA	NA	16.9	NA
1986	2406 E	2670 E	1300	12400 E	13760 E	6547 E	60.7	19.4	40.8	44	21.4	227
1987	NA	NA	1300	12600 E	13550 E	4507 E	62.0	NA	NA	NA	21.0	218
1988	NA	NA	1100	13200 E	13740 E	NA	63.4	NA	NA	NA	17.3	217
1989	NA	NA	1000	14200 E	14200 E	NA	64.8	NA	NA	NA	15.4	219
Yemen, North (Sanaa)												
1979	320	515	36	2634	4234	1320	5.3	12.2	39.0	98	6.8	803
1980	278	409	36	3003	4425	1366	5.4	9.3	30.0	76	6.7	819
1981	393	528	30	3497	4701	1836	5.5	11.2	28.8	95	5.4	848
1982	537	678	22	4080	5154	2100	5.7	13.2	32.3	119	3.9	906
1983	551	670	22	4289	5216	1974	5.8	12.8	33.9	115	3.8	893
1984	434	508	28	4545	5328	1754	6.0	9.5	29.0	85	4.7	888
1985	379	432	28	4887	5564	1532	6.2	7.8	28.2	70	4.5	902
1986	368	408	28 E	5327	5911	1487	6.3	6.9	27.5	64	4.4	932
1987	379	408	43	5693	6123	1865	6.5	6.7	21.9	62	6.6	937
1988	641	668	62	6285	6543	2223	6.7	10.2	30.0	99	9.2	972
1989	618	618	62	6776	6776	2076	6.9	9.1	29.8	89	8.9	976
Yemen, South (Aden)												
1979	87	140	20	617	992	568	1.9	14.1	24.6	75	10.7	530
1980	101	149	23	644	949	NA	1.9	15.7	NA	77	12.0	494
1981	135	181	23	754	1014	NA	2.0	17.8	NA	92	11.7	514
1982	156	198	25	980	1238	NA	2.0	16.0	NA	97	12.3	610
1983	171 E	208 E	25	973	1183	989 E	2.1	17.5	21.0	99	12.0	567
1984	197 E	230 E	27	1417	1661	NA	2.1	13.9	NA	107	12.6	773
1985	198 E	225 E	27	1381	1572	NA	2.2	14.3	NA	102	12.2	711
1986	211 E	234 E	34 E	1191	1321	NA	2.3	17.7	NA	103	14.9	579
1987	207	223	40	1235	1328	NA	2.4	16.8	NA	95	17.0	565
1988	217	226	88	1255	1306	907	2.4	17.3	24.9	93	36.1	539
1989	NA	NA	88	1273	1273	NA	2.5	NA	NA	NA	34.9	509

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1979-1989 — continued

YEAR	MILITARY EXPENDITURES (ME)		ARMED FORCES	GROSS NATIONAL PRODUCT (GNP)		CENTRAL GOVERNMENT EXPENDITURES (CGE)	PEOPLE	ME	ME	ME PER CAPITA	ARMED FORCES PER 1000 PEOPLE	GNP
	Million dollars			Million dollars				GNP	CGE			Constant 1989 dollars
	Current	Constant 1989		Current	Constant 1989	Constant 1989	Millions	%	%	Soldiers		
Yugoslavia												
1979	1493	2400	264	35100	56430	5299	22.1	4.3	45.3	108	11.9	2550
1980	1669	2459	260	38960	57410	5064	22.3	4.3	48.5	110	11.6	2574
1981	1765	2372	260	43050	57860	4703	22.5	4.1	50.4	106	11.5	2575
1982	1704	2152	259	45710	57740	4289	22.6	3.7	50.2	95	11.4	2550
1983	1669	2030	259	46890	57020	4366	22.8	3.6	46.5	89	11.4	2500
1984	1802	2112	259	49440	57960	4244	23.0	3.6	49.8	92	11.3	2524
1985	1884	2144	258	51150	58230	3910	23.1	3.7	54.8	93	11.2	2518
1986	2161	2398	234	54740	60750	4000	23.3	3.9	60.0	103	10.0	2610
1987	2287	2460	234	55610	59810	4465	23.4	4.1	55.1	105	10.0	2554
1988	2528	2631	229	55890	58180	5406	23.6	4.5	48.7	112	9.7	2469
1989	2126	2126	225	58640	58640	3981	23.7	3.6	53.4	90	9.5	2474
Zaire												
1979	62	100	23	4967	7985	912	26.0	1.3	11.0	4	0.9	307
1980	58	85	26	5509	8117	996	26.7	1.0	8.5	3	1.0	304
1981	33	45	44	6253	8405	1151	27.3	0.5	3.9	2	1.6	307
1982	69	87	40	6568	8295	1102	28.2	1.1	7.9	3	1.4	294
1983	NA	NA	42	6916	8410	926	29.0	NA	NA	NA	1.5	290
1984	147	173	60	7108	8333	1266	30.2	2.1	13.6	6	2.0	276
1985	90	103	62	7535	8578	1045	31.1	1.2	9.8	3	2.0	276
1986	174	193	53	8089	8976	1062	32.1	2.2	18.2	6	1.7	280
1987	NA	NA	53	8345	8975	NA	33.2	NA	NA	NA	1.6	271
1988	233	242	51	8944	9310	1715	34.3	2.6	14.1	7	1.5	272
1989	NA	NA	51	9152	9152	1517	35.4	NA	NA	NA	1.4	258
Zambia												
1979	324 E	520 E	14	2451	3940	1395	5.5	13.2	37.3	95	2.6	720
1980	412 E	607 E	15	2812	4144	1985	5.6	14.7	30.6	108	2.7	736
1981	NA	NA	17	3446	4632	1751	5.8	NA	NA	NA	2.9	796
1982	260 E	328 E	16	3470	4382	1995	6.0	7.5	16.5	54	2.6	726
1983	NA	NA	16	3462	4210	1519	6.3	NA	NA	NA	2.5	670
1984	235 E	276 E	16	3486	4087	1403	6.5	6.7	19.6	42	2.5	626
1985	NA	NA	16	3624	4126	1721	6.8	NA	NA	NA	2.4	610
1986	NA	NA	17	3459	3839	2148	7.0	NA	NA	NA	2.4	545
1987	NA	NA	17	3722	4003	1668	7.3	NA	NA	NA	2.3	546
1988	105 E	109 E	17	4330	4507	1381	7.6	2.4	7.9	14	2.2	593
1989	65 E	65 E	17	4655	4655	770	7.9	1.4	8.4	8	2.2	591
Zimbabwe												
1979	158	254	38	2349	3776	1234	7.0	6.7	20.5	36	5.4	540
1980	252	371	94	2849	4197	1491	7.3	8.8	24.9	51	12.9	575
1981	215	289	74	3469	4663	1504	7.6	6.2	19.2	38	9.8	616
1982	243	307	50	3743	4728	1963	7.8	6.5	15.6	39	6.4	606
1983	248	302	46	3942	4794	1807	8.1	6.3	16.7	37	5.7	594
1984	269	316	46	4050	4748	2109	8.4	6.7	15.0	38	5.5	568
1985	266	303	46	4411	5021	2101	8.7	6.0	14.4	35	5.3	580
1986	297	330	45	4634	5142	2110	9.0	6.4	15.6	37	5.0	573
1987	359	386	45	4747	5105	2389	9.3	7.6	16.1	41	4.8	547
1988	355	369	45	5275	5491	2467	9.7	6.7	15.0	38	4.6	566
1989	386	386	51	5742	5742	2580	10.1	6.7	15.0	38	5.1	571

TABLE I. Military Expenditures, Armed Forces, GNP, Central Government Expenditures and Population, 1979-1989 — continued

E Estimate based on partial or uncertain data. NA Not available. 0 Nil or negligible.

- a In order to reduce distortions in grouped data trends caused by data gaps for individual countries and years (shown as "NA"), the totals for the world, regions, and organizations include rough approximations for the gaps.
- b Estimated by adding arms imports to data on military expenditures, which are believed to exclude arms purchases. However, it should be noted that the value of arms deliveries in a given year, as shown in table II (converted at current exchange rates), may differ significantly from actual expenditures on arms imports in that year.
- c This ratio is calculated from the two variables as expressed in dollar terms. Since in this case the two variables are converted to, or estimated in, dollars in differing ways the ratio in dollars differs from what it would be in national currency terms. See also Statistical Notes, Military Expenditures-to-GNP ratio.
- d This series or entry probably omits a major share of total military expenditures, probably including most arms acquisitions. table II shows estimated annual arms imports; it should be kept in mind however, that data in table II represent the estimated value of arms delivered in a given year, not actual expenditures on those arms.
- e Some part of estimated total military expenditures may not be included in announced central budget expenditures. The ratio of ME to CGE therefore may be somewhat overstated.

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
TOTALS ^d										
WORLD	e	e								
1979	31680	50930	31790	51110	1665	2676	1668	2682	1.9	1.9
1980	35850	52830	35830	52800	2036	2999	2003	2951	1.8	1.8
1981	44400	59680	44530	59860	2020	2715	1973	2652	2.2	2.3
1982	49220	62170	49050	61950	1907	2409	1853	2341	2.6	2.6
1983	49740	60490	50030	60850	1865	2268	1817	2210	2.7	2.8
1984	54570	63980	54500	63900	1986	2328	1924	2255	2.7	2.8
1985	48650	55390	48690	55430	2009	2287	1946	2215	2.4	2.5
1986	50870	56450	50740	56310	2206	2448	2154	2391	2.3	2.4
1987	58320	62730	58290	62690	2567	2761	2509	2698	2.3	2.3
1988	53200	55380	53240	55430	2921	3040	2845	2962	1.8	1.9
1989	45320	45320	45430	45430	3121	3121	3025	3025	1.5	1.5
DEVELOPED	e	e								
1979	5080	8166	30450	48950	1268	2038	1196	1923	0.4	2.5
1980	7865	11590	34260	50480	1518	2237	1408	2074	.5	2.4
1981	9445	12700	41270	55480	1454	1954	1384	1861	.6	3.0
1982	9190	11610	42720	53960	1372	1732	1328	1677	.7	3.2
1983	10610	12900	45600	55450	1356	1649	1324	1610	.8	3.4
1984	11720	13750	46900	54990	1483	1738	1410	1653	.8	3.3
1985	12520	14260	44240	50360	1515	1725	1446	1647	.8	3.1
1986	12730	14130	46730	51860	1716	1904	1687	1872	.7	2.8
1987	11660	12540	52530	56500	2003	2154	1953	2101	.6	2.7
1988	13640	14200	47340	49290	2254	2347	2212	2303	.6	2.1
1989	10680	10680	41010	41010	2390	2390	2327	2327	.4	1.8
DEVELOPING										
1979	26600	42760	1345	2162	397	638	472	759	6.7	0.3
1980	27990	41240	1575	2321	517	762	595	876	5.4	.3
1981	34950	46990	3255	4375	566	760	589	791	6.2	.6
1982	40030	50560	6325	7989	536	676	526	664	7.5	1.2
1983	39130	47590	4435	5393	509	620	494	600	7.7	.9
1984	42840	50230	7600	8910	503	590	513	602	8.5	1.5
1985	36130	41130	4450	5066	494	563	499	568	7.3	.9
1986	38130	42320	4015	4455	490	544	468	519	7.8	.9
1987	46660	50190	5760	6195	564	607	556	598	8.3	1.0
1988	39560	41180	5900	6142	666	694	633	659	5.9	.9
1989	34630	34630	4415	4415	731	731	698	698	4.7	.6

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
BY REGION ^d										
AFRICA										
1979	6015	9670	150	241	62	99	85	137	9.7	0.2
1980	6525	9614	25	37	89	131	116	171	7.3	0
1981	7815	10510	85	114	98	132	95	127	7.9	.1
1982	7365	9302	310	392	85	108	81	102	8.6	.4
1983	6865	8348	85	103	77	94	78	95	8.9	.1
1984	7690	9015	60	70	71	83	78	91	10.9	.1
1985	5270	5999	190	216	64	73	77	88	8.3	.2
1986	4620	5127	90	100	61	67	63	70	7.6	.1
1987	5630	6055	150	161	64	69	74	79	8.7	.2
1988	4750	4945	120	125	73	76	71	73	6.5	.2
1989	3990	3990	70	70	78	78	75	75	5.1	.1
EAST ASIA										
1979	5605	9010	490	788	210	337	200	322	2.7	0.2
1980	5365	7905	860	1267	270	397	255	375	2.0	.3
1981	4410	5928	1460	1963	283	380	287	386	1.6	.5
1982	4640	5860	3100	3915	270	341	274	346	1.7	1.1
1983	4765	5795	2585	3144	274	334	290	352	1.7	.9
1984	5320	6237	3525	4133	293	343	332	390	1.8	1.1
1985	5840	6648	1425	1622	293	333	337	384	2.0	.4
1986	5745	6375	1835	2036	293	325	385	428	2.0	.5
1987	7480	8045	2550	2743	355	381	457	491	2.1	.6
1988	7480	7787	3395	3534	454	473	540	563	1.6	.6
1989	5335	5335	2640	2640	515	515	578	578	1.0	.5
EUROPE, ALL										
1979	5350	8601	24480	39360	910	1463	848	1363	0.6	2.9
1980	7765	11440	27900	41110	1089	1604	980	1444	.7	2.8
1981	8710	11710	32710	43980	990	1331	925	1243	.9	3.5
1982	8770	11080	34230	43240	952	1203	910	1149	.9	3.8
1983	9930	12080	34430	41870	925	1125	904	1099	1.1	3.8
1984	9825	11520	37670	44170	948	1112	939	1101	1.0	4.0
1985	10230	11650	33850	38540	986	1122	975	1110	1.0	3.5
1986	11170	12400	37800	41950	1162	1289	1178	1307	1.0	3.2
1987	10890	11720	38750	41680	1390	1495	1393	1498	.8	2.8
1988	10890	11340	32630	33970	1556	1620	1535	1598	.7	2.1
1989	10870	10870	29650	29650	1629	1629	1593	1593	.7	1.9
—NATO EUROPE										
1979	2060	3312	5045	8110	631	1014	593	953	0.3	0.9
1980	2780	4096	7540	11110	758	1116	688	1013	.4	1.1
1981	3330	4476	10930	14690	676	909	637	856	.5	1.7
1982	3610	4560	10450	13200	644	814	613	774	.6	1.7
1983	3980	4840	10070	12250	616	749	597	726	.6	1.6
1984	3760	4408	11890	13940	627	735	610	716	.6	1.9
1985	3615	4115	10450	11900	652	742	644	733	.6	1.6
1986	3335	3701	11020	12230	770	855	787	873	.4	1.4
1987	4095	4404	10700	11510	937	1007	945	1017	.4	1.1
1988	5165	5377	6475	6740	1050	1093	1044	1087	.5	.6
1989	6355	6355	7215	7215	1125	1125	1123	1123	.6	.6

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
—WARSAW PACT										
1979	2560	4115	18410	29600	141	226	142	228	1.8	13.0
1980	3995	5886	19190	28280	160	235	161	238	2.5	11.9
1981	4470	6009	20510	27570	160	215	163	219	2.8	12.6
1982	4150	5242	22100	27910	163	206	176	223	2.5	12.5
1983	4795	5831	22580	27460	171	207	186	227	2.8	12.1
1984	4980	5838	22860	26800	182	213	200	235	2.7	11.4
1985	5470	6227	21760	24770	188	213	197	224	2.9	11.1
1986	6580	7302	25440	28230	216	240	226	251	3.0	11.2
1987	4580	4926	26520	28530	233	251	248	266	2.0	10.7
1988	3950	4112	24900	25930	256	267	265	276	1.5	9.4
1989	3150	3150	21480	21480	229	229	231	231	1.4	9.3
—OTHER EUROPE										
1979	730	1174	1030	1656	139	223	113	182	0.5	0.9
1980	990	1459	1170	1724	171	252	131	193	.6	.9
1981	910	1223	1275	1714	154	207	125	168	.6	1.0
1982	1010	1276	1685	2128	145	183	121	153	.7	1.4
1983	1155	1405	1780	2165	139	169	120	146	.8	1.5
1984	1085	1272	2925	3429	139	163	128	151	.8	2.3
1985	1150	1309	1645	1873	147	167	135	153	.8	1.2
1986	1260	1398	1340	1487	176	195	165	183	.7	.8
1987	2220	2388	1530	1646	220	237	200	215	1.0	.8
1988	1780	1853	1250	1301	250	260	226	235	.7	.6
1989	1365	1365	955	955	276	276	239	239	.5	.4
LATIN AMERICA										
1979	2160	3472	130	209	80	129	76	122	2.7	0.2
1980	2080	3065	150	221	106	156	98	145	2.0	.2
1981	3600	4839	205	276	113	152	105	141	3.2	.2
1982	3600	4547	760	960	92	117	96	121	3.9	.8
1983	3435	4177	195	237	72	88	96	117	4.8	.2
1984	4325	5070	820	961	73	86	103	121	5.9	.8
1985	3955	4502	545	620	73	84	99	112	5.4	.6
1986	3140	3484	340	377	74	83	85	94	4.2	.4
1987	3770	4055	900	968	82	88	94	101	4.6	1.0
1988	3500	3643	780	812	91	94	107	112	3.9	.7
1989	2555	2555	285	285	97	97	117	117	2.6	.2
MIDDLE EAST										
1979	10370	16670	360	579	83	133	177	285	12.6	0.2
1980	11160	16450	170	250	108	158	218	321	10.4	.1
1981	15790	21230	1075	1445	130	175	208	279	12.1	.5
1982	18980	23970	810	1023	134	170	163	206	14.1	.5
1983	20340	24740	350	426	128	156	126	153	15.9	.3
1984	22030	25830	725	850	116	136	111	131	19.0	.7
1985	16400	18670	835	951	99	112	103	117	16.6	.8
1986	18100	20090	855	949	88	97	81	90	20.7	1.1
1987	21900	23550	945	1016	92	99	86	93	23.8	1.1
1988	15610	16260	775	807	97	101	87	91	16.1	.9
1989	12060	12060	1070	1070	98	98	105	105	12.3	1.0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS	ARMS ^c EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		TOTAL IMPORTS	TOTAL EXPORTS
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	%	%
NORTH AMERICA										
1979	440	707	6100	9806	279	448	245	393	0.2	2.5
1980	680	1002	6650	9798	320	471	293	432	.2	2.3
1981	1240	1667	8890	11950	343	462	311	419	.4	2.9
1982	1450	1831	9780	12350	313	395	288	363	.5	3.4
1983	1410	1715	12020	14620	335	407	282	343	.4	4.3
1984	1900	2227	11250	13190	424	497	314	368	.4	3.6
1985	1900	2163	11650	13260	433	493	310	353	.4	3.8
1986	2030	2253	9725	10790	467	519	317	352	.4	3.1
1987	2370	2549	14900	16030	517	556	352	379	.5	4.2
1988	2710	2821	15450	16080	572	595	440	458	.5	3.5
1989	1790	1790	11610	11610	614	614	485	485	.3	2.4
OCEANIA										
1979	245	394	40	64	24	39	25	39	1.0	0.2
1980	330	486	40	59	30	44	29	42	1.1	.1
1981	580	780	40	54	34	45	28	38	1.7	.1
1982	200	253	25	32	34	43	28	35	.6	.1
1983	460	559	60	73	28	35	26	31	1.6	.2
1984	640	750	70	82	34	39	30	35	1.9	.2
1985	990	1127	140	159	33	38	30	34	3.0	.5
1986	1050	1165	50	55	34	37	30	33	3.1	.2
1987	775	834	80	86	38	41	35	38	2.0	.2
1988	1420	1478	85	88	45	47	44	45	3.1	.2
1989	765	765	80	80	56	56	48	48	1.4	.2
SOUTH ASIA										
1979	1415	2275	40	64	18	29	12	19	7.9	0.3
1980	1865	2748	40	59	26	38	14	20	7.2	.3
1981	2170	2917	60	81	27	36	14	19	8.1	.4
1982	4095	5172	30	38	26	33	14	18	15.9	.2
1983	2285	2779	310	377	25	30	15	18	9.2	2.1
1984	2625	3077	380	445	27	31	16	18	9.8	2.4
1985	3825	4354	50	57	28	32	15	17	13.6	.3
1986	4890	5426	45	50	27	30	16	17	18.1	.3
1987	5320	5722	10	11	29	31	19	20	18.4	.1
1988	6510	6777	10	10	33	34	21	22	19.9	0
1989	7890	7890	20	20	35	35	24	24	22.7	.1

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Billion dollars		Billion dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
BY ORGANIZATION ^d										
NATO, ALL	e	e								
1979	2500	4019	11140	17920	909	1462	837	1346	0.3	1.3
1980	3460	5098	14190	20910	1077	1587	981	1445	.3	1.4
1981	4570	6143	19820	26640	1020	1371	948	1275	.4	2.1
1982	4610	5823	20230	25550	957	1209	900	1137	.5	2.2
1983	4840	5886	22090	26860	950	1156	880	1070	.5	2.4
1984	5660	6636	23140	27130	1051	1233	925	1084	.5	2.5
1985	5515	6278	22100	25160	1085	1235	954	1086	.5	2.3
1986	5365	5954	20750	23030	1238	1373	1104	1225	.4	1.9
1987	6465	6953	25600	27530	1454	1563	1297	1395	.4	2.0
1988	7875	8198	21920	22820	1621	1688	1484	1545	.5	1.5
1989	8145	8145	18820	18820	1739	1739	1609	1609	.5	1.2
WARSAW PACT			f	f						
1979	2560	4115	18410	29600	141	226	142	228	1.8	13.0
1980	3995	5886	19190	28280	160	235	161	238	2.5	11.9
1981	4470	6009	20510	27570	160	215	163	219	2.8	12.6
1982	4150	5242	22100	27910	163	206	176	223	2.5	12.5
1983	4795	5831	22580	27460	171	207	186	227	2.8	12.1
1984	4980	5838	22860	26800	182	213	200	235	2.7	11.4
1985	5470	6227	21760	24770	188	213	197	224	2.9	11.1
1986	6580	7302	25440	28230	216	240	226	251	3.0	11.2
1987	4580	4926	26520	28530	233	251	248	266	2.0	10.7
1988	3950	4112	24900	25930	256	267	265	276	1.5	9.4
1989	3150	3150	21480	21480	229	229	231	231	1.4	9.3
OPEC										
1979	9990	16060	180	289	99	159	239	385	10.1	0.1
1980	8855	13050	40	59	133	195	305	449	6.7	0
1981	14230	19130	615	827	159	214	281	378	9.0	.2
1982	17250	21790	300	379	161	203	224	283	10.7	.1
1983	15520	18870	90	109	144	175	181	220	10.8	0
1984	20290	23790	105	123	125	147	167	195	16.2	.1
1985	14060	16010	115	131	105	119	154	175	13.4	.1
1986	16480	18290	105	117	92	102	112	124	17.9	.1
1987	16690	17960	120	129	92	99	119	128	18.1	.1
1988	12140	12640	160	167	105	109	120	125	11.6	.1
1989	10500	10500	140	140	108	108	142	142	9.7	.1
OECD										
1979	3570	5739	12100	19460	1167	1876	1069	1719	0.3	1.1
1980	4840	7131	15210	22410	1401	2065	1260	1856	.3	1.2
1981	6600	8872	21020	28260	1332	1790	1240	1667	.5	1.7
1982	6160	7780	21740	27460	1252	1581	1176	1485	.5	1.8
1983	6960	8464	23870	29030	1230	1495	1161	1411	.6	2.1
1984	8205	9619	25760	30210	1346	1578	1241	1455	.6	2.1
1985	8615	9807	23610	26880	1380	1571	1283	1460	.6	1.8
1986	8470	9399	21960	24370	1560	1731	1497	1661	.5	1.5
1987	9820	10560	27010	29050	1848	1987	1749	1882	.5	1.5
1988	12200	12710	23130	24080	2088	2173	2003	2085	.6	1.2
1989	11510	11510	19820	19820	2262	2262	2153	2153	.5	.9

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
BY COUNTRY										
Afghanistan									C	
1979	600	965	0	0	425	683	474	762	141.2	0.0
1980	500	737	0	0	841	1239	670	987	59.5	0
1981	700	941	0	0	886	1191	694	933	79.0	0
1982	700	884	0	0	962	1215	708	894	72.8	0
1983	490	596	0	0	1064	1294	729	887	46.1	0
1984	650	762	0	0	1390	1630	633	742	46.8	0
1985	650	740	0	0	1194	1359	567	645	54.4	0
1986	1300	1443	0	0	1404	1558	552	613	92.6	0
1987	1400	1506	0	0	996	1071	512	551	140.6	0
1988	2600	2707	0	0	900	937	395	411	288.9	0
1989	3800	3800	0	0	822	822	236	236	462.3	0
Albania										
1979	0	0	0	0	NA	NA	NA	NA	NA	NA
1980	0	0	0	0	NA	NA	NA	NA	NA	NA
1981	0	0	0	0	NA	NA	NA	NA	NA	NA
1982	0	0	0	0	137	173	NA	NA	0	NA
1983	0	0	0	0	280	341	290	353	0	0
1984	0	0	0	0	NA	NA	NA	NA	NA	NA
1985	0	0	0	0	335	381	345	393	0	0
1986	0	0	0	0	363	403	428	475	0	0
1987	0	0	0	0	255	274	378	407	0	0
1988	0	0	0	0	NA	NA	NA	NA	NA	NA
1989	0	0	0	0	NA	NA	NA	NA	NA	NA
Algeria										
1979	550	884	0	0	8403	13510	9551	15350	6.5	0.0
1980	725	1068	0	0	10560	15560	13870	20440	6.9	0
1981	1400	1882	0	0	11270	15150	14400	19350	12.4	0
1982	1200	1516	0	0	10740	13560	13140	16600	11.2	0
1983	675	821	0	0	10400	12650	12580	15300	6.5	0
1984	775	909	20	23	10290	12060	12800	15000	7.5	.2
1985	480	546	0	0	9841	11200	12840	14620	4.9	0
1986	625	694	0	0	9228	10240	7430	8245	6.8	0
1987	700	753	0	0	7042	7574	8605	9255	9.9	0
1988	850	885	0	0	7342	7643	7680	7995	11.6	0
1989	575	575	0	0	8818	8818	9100	9100	6.5	0
Angola									C	
1979	370	595	0	0	NA	NA	NA	NA	NA	NA
1980	440	648	0	0	NA	NA	1883	2774	NA	0
1981	700	941	0	0	NA	NA	1856	2495	NA	0
1982	725	916	0	0	1400	1768	1629	2057	51.8	0
1983	1100	1338	0	0	1500	1824	1822	2216	73.3	0
1984	1500	1759	0	0	NA	NA	2033	2383	NA	0
1985	800	911	0	0	1700	1935	2238	2548	47.1	0
1986	1300	1443	0	0	1400	1554	1303	1446	92.9	0
1987	1700	1828	0	0	NA	NA	NA	NA	NA	NA
1988	1400	1457	0	0	NA	NA	NA	NA	NA	NA
1989	750	750	0	0	2500	2500	2900	2900	30.0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Argentina										
1979	500	804	10	16	6700	10770	7810	12560	7.5	0.1
1980	210	309	5	7	10540	15530	8021	11820	2.0	.1
1981	500	672	10	13	9430	12680	9143	12290	5.3	.1
1982	290	366	0	0	5337	6741	7625	9631	5.4	0
1983	1000	1216	20	24	4504	5477	7836	9529	22.2	.3
1984	470	551	120	141	4585	5375	8107	9504	10.3	1.5
1985	200	228	80	91	3814	4342	8396	9558	5.2	1.0
1986	50	55	40	44	4724	5242	6852	7604	1.1	.6
1987	140	151	70	75	5818	6258	6360	6840	2.4	1.1
1988	300	312	70	73	5322	5540	9135	9509	5.6	.8
1989	40	40	60	60	4201	4201	9579	9579	1.0	.6
Australia										
1979	220	354	40	64	18190	29240	18660	30000	1.2	0.2
1980	290	427	40	59	22400	33000	21940	32330	1.3	.2
1981	550	739	40	54	26210	35240	21470	28870	2.1	.2
1982	180	227	20	25	26670	33680	21360	26980	.7	.1
1983	390	474	60	73	21460	26090	19330	23510	1.8	.3
1984	550	645	70	82	25920	30390	23240	27240	2.1	.3
1985	900	1025	140	159	25890	29470	22850	26010	3.5	.6
1986	1000	1110	50	55	26100	28970	22670	25160	3.8	.2
1987	725	780	80	86	29320	31530	26490	28490	2.5	.3
1988	1300	1353	80	83	36090	37570	33070	34430	3.6	.2
1989	675	675	80	80	44930	44930	37760	37760	1.5	.2
Austria										
1979	40	64	100	161	20250	32560	15480	24890	0.2	0.6
1980	80	118	40	59	24440	36020	17490	25770	.3	.2
1981	80	108	320	430	21040	28290	15840	21290	.4	2.0
1982	50	63	80	101	19500	24630	15640	19760	.3	.5
1983	50	61	120	146	19420	23620	15430	18760	.3	.8
1984	30	35	220	258	19630	23010	15720	18430	.2	1.4
1985	20	23	160	182	20990	23890	17110	19480	.1	.9
1986	10	11	270	300	26860	29810	22420	24880	0	1.2
1987	20	22	60	65	32720	35200	27080	29130	.1	.2
1988	90	94	70	73	36220	37710	31000	32270	.2	.2
1989	100	100	40	40	38980	38980	32450	32450	.3	.1
Bahrain										
1979	20	32	0	0	2477	3982	2484	3993	0.8	0.0
1980	40	59	0	0	3483	5132	3594	5296	1.1	0
1981	40	54	0	0	4124	5544	4347	5843	1.0	0
1982	5	6	0	0	3614	4565	3789	4786	.1	0
1983	30	36	0	0	3342	4064	3199	3890	.9	0
1984	40	47	0	0	3480	4080	3091	3624	1.1	0
1985	10	11	0	0	3107	3537	2787	3173	.3	0
1986	50	55	0	0	2408	2672	2342	2599	2.1	0
1987	370	398	0	0	2717	2922	2384	2564	13.6	0
1988	30	31	0	0	2669	2778	2354	2450	1.1	0
1989	50	50	0	0	2803	2803	2685	2685	1.8	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Bangladesh										
1979	5	8	0	0	1908	3067	656	1055	0.3	0.0
1980	30	44	0	0	2599	3829	793	1168	1.2	0
1981	50	67	0	0	2699	3628	791	1063	1.9	0
1982	40	51	0	0	2307	2914	769	971	1.7	0
1983	60	73	0	0	2165	2633	724	880	2.8	0
1984	30	35	40	47	2825	3312	931	1091	1.1	4.3
1985	60	68	0	0	2772	3156	999	1137	2.2	0
1986	70	78	0	0	2486	2759	887	984	2.8	0
1987	50	54	0	0	2680	2882	1067	1148	1.9	0
1988	50	52	0	0	3046	3171	1291	1344	1.6	0
1989	120	120	0	0	3650	3650	1305	1305	3.3	0
Barbados										
1979	0	0	0	0	421	677	151	243	0.0	0.0
1980	0	0	0	0	524	772	226	333	0	0
1981	10	13	0	0	571	768	195	262	1.8	0
1982	0	0	0	0	551	696	257	325	0	0
1983	0	0	0	0	616	749	321	390	0	0
1984	0	0	0	0	657	770	390	457	0	0
1985	0	0	0	0	607	691	352	401	0	0
1986	5	6	0	0	587	651	275	305	.9	0
1987	20	22	0	0	515	554	154	166	3.9	0
1988	0	0	0	0	582	606	173	180	0	0
1989	0	0	0	0	673	673	186	186	0	0
Belgium										
1979	290	466	70	113	60920	97930	56420	90700	0.5	0.1
1980	320	471	160	236	71860	105900	64540	95100	.4	.2
1981	340	457	340	457	62430	83910	55690	74860	.5	.6
1982	330	417	200	253	58230	73540	52360	66130	.6	.4
1983	460	559	340	413	55310	67270	51940	63160	.8	.7
1984	410	481	390	457	55460	65020	51890	60840	.7	.8
1985	300	342	380	433	56180	63960	53740	61180	.5	.7
1986	180	200	220	244	68600	76130	68820	76370	.3	.3
1987	160	172	90	97	83230	89520	83100	89380	.2	.1
1988	600	625	40	42	92440	96230	92130	95910	.6	0
1989	220	220	20	20	98460	98460	100000	100000	.2	0
Benin										
1979	50	80	0	0	320	514	46	74	15.6	0.0
1980	30	44	0	0	331	488	63	93	9.1	0
1981	40	54	0	0	544	731	34	46	7.4	0
1982	40	51	0	0	464	586	24	30	8.6	0
1983	50	61	0	0	294	358	67	81	17.0	0
1984	10	12	0	0	288	338	167	196	3.5	0
1985	10	11	0	0	298	339	123	140	3.4	0
1986	10	11	0	0	314	348	100	111	3.2	0
1987	0	0	0	0	352	379	104	112	0	0
1988	10	10	0	0	388	404	114	119	2.6	0
1989	0	0	0	0	309	309	98	98	0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS	
	Million dollars		Million dollars		Million dollars		Million dollars		%	%	
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989			
Bolivia											
1979	80	129	0	0	980	1575	760	1222	8.2	0.0	
1980	40	59	0	0	678	999	942	1388	5.9	0	
1981	70	94	0	0	975	1311	912	1226	7.2	0	
1982	0	0	0	0	578	730	828	1046	0	0	
1983	0	0	0	0	589	716	755	918	0	0	
1984	10	12	0	0	492	577	725	850	2.0	0	
1985	5	6	0	0	552	628	623	709	.9	0	
1986	10	11	0	0	716	795	564	626	1.4	0	
1987	0	0	0	0	776	835	566	609	0	0	
1988	10	10	0	0	604	629	601	626	1.7	0	
1989	10	10	0	0	786	786	634	634	1.3	0	
Botswana											
1979	5	8	0	0	521	838	436	701	1.0	0.0	
1980	0	0	0	0	691	1018	503	741	0	0	
1981	10	13	0	0	799	1074	400	538	1.3	0	
1982	0	0	0	0	688	869	457	577	0	0	
1983	0	0	0	0	736	895	636	773	0	0	
1984	0	0	0	0	707	829	674	790	0	0	
1985	5	6	0	0	583	664	744	847	.9	0	
1986	0	0	0	0	713	791	865	960	0	0	
1987	0	0	0	0	936	1007	1587	1707	0	0	
1988	30	31	0	0	1031	1073	1418	1476	2.9	0	
1989	10	10	0	0	NA	NA	1445	1445	NA	0	
Brazil											
1979	240	386	110	177	19800	31840	15240	24510	1.2	0.7	
1980	130	192	140	206	24960	36780	20130	29660	.5	.7	
1981	60	81	170	229	24080	32370	23290	31310	.2	.7	
1982	40	51	675	853	21070	26610	20170	25480	.2	3.3	
1983	40	49	130	158	16800	20430	21900	26630	.2	.6	
1984	130	152	650	762	15210	17830	27000	31660	.9	2.4	
1985	50	57	370	421	14330	16320	25640	29190	.3	1.4	
1986	110	122	270	300	15560	17260	22350	24800	.7	1.2	
1987	160	172	650	699	16580	17830	26220	28210	1.0	2.5	
1988	360	375	420	437	16050	16710	33780	35170	2.2	1.2	
1989	160	160	50	50	20020	20020	34390	34390	.8	.1	
Bulgaria											
1979	380	611	50	80	8580	13790	9013	14490	4.4	0.6	
1980	240	354	70	103	9776	14400	10490	15450	2.5	.7	
1981	480	645	170	229	10610	14260	10490	14110	4.5	1.6	
1982	440	556	420	530	11610	14670	11500	14530	3.8	3.7	
1983	650	790	350	426	12370	15050	12220	14860	5.3	2.9	
1984	700	821	460	539	12350	14480	12530	14700	5.7	3.7	
1985	950	1081	550	626	13090	14900	12780	14550	7.3	4.3	
1986	1300	1443	470	522	15580	17290	14520	16110	8.3	3.2	
1987	700	753	575	618	17060	18350	16660	17920	4.1	3.5	
1988	400	416	430	448	20980	21840	20350	21180	1.9	2.1	
1989	290	290	160	160	14970	14970	16040	16040	1.9	1.0	

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Burkina Faso (formerly Upper Volta)										
1979	5	8	0	0	301	484	77	124	1.7	0.0
1980	10	15	0	0	359	529	90	133	2.8	0
1981	10	13	0	0	338	454	74	99	3.0	0
1982	0	0	0	0	347	438	56	71	0	0
1983	5	6	0	0	291	354	58	71	1.7	0
1984	20	23	0	0	209	245	79	93	9.6	0
1985	20	23	0	0	332	378	71	81	6.0	0
1986	30	33	0	0	405	449	83	92	7.4	0
1987	0	0	0	0	434	467	155	167	0	0
1988	10	10	0	0	489	509	142	148	2.0	0
1989	10	10	0	0	NA	NA	NA	NA	NA	NA
Burma										
1979	30	48	0	0	319	513	383	616	9.4	0.0
1980	20	29	0	0	353	520	472	695	5.7	0
1981	20	27	0	0	373	501	462	621	5.4	0
1982	60	76	0	0	409	517	391	494	14.7	0
1983	30	36	0	0	268	326	378	460	11.2	0
1984	30	35	0	0	239	280	301	353	12.6	0
1985	50	57	0	0	283	322	303	345	17.7	0
1986	30	33	0	0	304	337	288	320	9.9	0
1987	20	22	0	0	268	288	219	236	7.5	0
1988	20	21	0	0	244	254	147	153	8.2	0
1989	20	20	0	0	210	210	215	215	9.5	0
Burundi										
1979	10	16	0	0	152	244	104	167	6.6	0.0
1980	10	15	0	0	168	248	65	96	6.0	0
1981	10	13	0	0	161	216	75	101	6.2	0
1982	20	25	0	0	213	269	88	111	9.4	0
1983	10	12	0	0	182	221	80	97	5.5	0
1984	10	12	0	0	186	218	103	121	5.4	0
1985	5	6	0	0	189	215	110	125	2.6	0
1986	10	11	0	0	202	224	154	171	5.0	0
1987	20	22	0	0	212	228	91	98	9.4	0
1988	10	10	0	0	204	212	133	138	4.9	0
1989	10	10	0	0	187	187	78	78	5.3	0
Cambodia										
1979	20	32	0	0	NA	NA	NA	NA	NA	NA
1980	60	88	0	0	NA	NA	NA	NA	NA	NA
1981	150	202	0	0	NA	NA	NA	NA	NA	NA
1982	70	88	0	0	NA	NA	NA	NA	NA	NA
1983	140	170	0	0	30	36	10	12	466.7	0
1984	190	223	0	0	NA	NA	NA	NA	NA	NA
1985	280	319	0	0	28	31	3	3	1014.5	0
1986	150	166	0	0	17	19	3	3	882.4	0
1987	460	495	0	0	NA	NA	NA	NA	NA	NA
1988	240	250	0	0	NA	NA	NA	NA	NA	NA
1989	490	490	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Cameroon										
1979	0	0	0	0	1275	2050	1132	1820	0.0	0.0
1980	5	7	0	0	1602	2360	1384	2039	.3	0
1981	30	40	0	0	1427	1918	1105	1485	2.1	0
1982	20	25	0	0	1210	1528	1064	1344	1.7	0
1983	100	122	0	0	1224	1488	976	1187	8.2	0
1984	70	82	0	0	1112	1304	886	1039	6.3	0
1985	20	23	0	0	1151	1310	722	822	1.7	0
1986	10	11	0	0	1704	1891	782	868	.6	0
1987	10	11	0	0	1723	1853	806	867	.6	0
1988	5	5	0	0	1272	1324	928	966	.4	0
1989	5	5	0	0	NA	NA	1000	1000	NA	0
Canada										
1979	260	418	200	322	56640	91060	58290	93710	0.5	0.3
1980	320	471	150	221	62540	92150	67730	99800	.5	.2
1981	440	591	290	390	70010	94110	72730	97760	.6	.4
1982	250	316	480	606	58130	73420	71230	89970	.4	.7
1983	310	377	420	511	64790	78790	76750	93330	.5	.5
1984	300	352	650	762	77790	91200	90270	105800	.4	.7
1985	100	114	550	626	80640	91800	90950	103500	.1	.6
1986	130	144	525	583	85070	94400	90190	100100	.2	.6
1987	170	183	600	645	92590	99590	97850	105200	.2	.6
1988	210	219	650	677	112200	116800	117800	122600	.2	.6
1989	190	190	410	410	121200	121200	121400	121400	.2	.3
Cape Verde										
1979	30	48	0	0	53	85	2	3	56.6	0.0
1980	10	15	0	0	68	100	4	6	14.7	0
1981	10	13	0	0	71	95	3	4	14.1	0
1982	0	0	0	0	72	91	4	5	0	0
1983	0	0	0	0	80	97	3	4	0	0
1984	0	0	0	0	71	83	3	4	0	0
1985	10	11	10	11	81	92	5	6	12.3	200.0
1986	5	6	0	0	80	89	4	4	6.3	0
1987	5	5	0	0	101	109	8	9	5.0	0
1988	5	5	0	0	106	110	3	3	4.7	0
1989	5	5	0	0	112	112	7	7	4.5	0
Central African Republic										
1979	10	16	0	0	70	113	80	129	14.3	0.0
1980	0	0	0	0	81	119	116	171	0	0
1981	5	7	0	0	95	128	79	106	5.3	0
1982	0	0	0	0	123	155	107	135	0	0
1983	0	0	0	0	77	94	80	97	0	0
1984	0	0	0	0	87	102	86	101	0	0
1985	0	0	0	0	113	129	92	105	0	0
1986	0	0	0	0	252	280	131	145	0	0
1987	0	0	0	0	204	219	130	140	0	0
1988	0	0	0	0	201	209	130	135	0	0
1989	0	0	0	0	150	150	134	134	0	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Chad										
1979	0	0	0	0	85	137	88	141	0.0	0.0
1980	0	0	0	0	74	109	71	105	0	0
1981	5	7	0	0	108	145	83	112	4.6	0
1982	0	0	0	0	109	138	58	73	0	0
1983	10	12	0	0	157	191	105	128	6.4	0
1984	40	47	0	0	181	212	131	154	22.1	0
1985	20	23	0	0	240	273	88	100	8.3	0
1986	40	44	0	0	288	320	99	110	13.9	0
1987	100	108	0	0	366	394	111	119	27.3	0
1988	50	52	0	0	419	436	141	147	11.9	0
1989	10	10	0	0	NA	NA	NA	NA	NA	NA
Chile										
1979	180	289	0	0	4218	6781	3894	6260	4.3	0.0
1980	290	427	0	0	5124	7550	4671	6882	5.7	0
1981	340	457	5	7	6364	8555	3906	5251	5.3	.1
1982	210	265	0	0	3529	4457	3710	4686	6.0	0
1983	80	97	0	0	2754	3349	3836	4665	2.9	0
1984	170	199	20	23	3191	3741	3657	4287	5.3	.5
1985	80	91	80	91	2743	3123	3823	4352	2.9	2.1
1986	80	89	20	22	2914	3234	4222	4685	2.7	.5
1987	120	129	170	183	3793	4080	5091	5476	3.2	3.3
1988	90	94	280	291	4731	4925	7046	7335	1.9	4.0
1989	120	120	160	160	6496	6496	8191	8191	1.8	2.0
China —Mainland										
1979	180	289	140	225	14490	23290	13610	21890	1.2	1.0
1980	190	280	290	427	19300	28440	18100	26670	1.0	1.6
1981	130	175	400	538	17940	24120	21460	28850	.7	1.9
1982	70	88	1300	1642	16690	21080	21870	27630	.4	5.9
1983	100	122	1600	1946	21340	25950	22180	26970	.5	7.2
1984	430	504	2100	2462	25950	30420	24830	29110	1.7	8.5
1985	650	740	675	768	42530	48410	27330	31110	1.5	2.5
1986	550	610	1200	1332	43170	47910	31150	34570	1.3	3.9
1987	625	672	1800	1936	43390	46670	39540	42530	1.4	4.6
1988	300	312	2600	2707	55280	57540	47540	49490	.5	5.5
1989	110	110	2000	2000	58280	58280	51630	51630	.2	3.9
—Taiwan										
1979	200	322	0	0	14790	23780	16080	25850	1.4	0.0
1980	625	921	0	0	19760	29120	19790	29150	3.2	0
1981	550	739	40	54	21150	28430	22500	30250	2.6	.2
1982	700	884	0	0	18830	23780	22070	27880	3.7	0
1983	480	584	5	6	20310	24700	25090	30510	2.4	0
1984	400	469	10	12	22000	25790	30440	35690	1.8	0
1985	575	655	5	6	20120	22910	30700	34940	2.9	0
1986	390	433	5	6	24230	26890	39750	44120	1.6	0
1987	1300	1398	10	11	34800	37430	53820	57890	3.7	0
1988	1200	1249	20	21	49760	51800	60500	62980	2.4	0
1989	430	430	10	10	52530	52530	66200	66200	.8	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Colombia										
1979	20	32	0	0	3233	5197	3300	5305	0.6	0.0
1980	70	103	0	0	4663	6871	3945	5813	1.5	0
1981	40	54	0	0	5199	6989	2956	3973	.8	0
1982	130	164	0	0	5478	6919	3095	3909	2.4	0
1983	30	36	0	0	4968	6042	3081	3747	.6	0
1984	700	821	0	0	4498	5273	3462	4059	15.6	0
1985	20	23	0	0	4141	4714	3552	4044	.5	0
1986	50	55	0	0	3862	4286	5102	5662	1.3	0
1987	10	11	0	0	4322	4649	4642	4993	.2	0
1988	60	62	0	0	5002	5207	5037	5243	1.2	0
1989	150	150	0	0	5004	5004	5717	5717	3.0	0
Congo										
1979	5	8	0	0	305	490	496	797	1.6	0.0
1980	40	59	0	0	580	855	911	1342	6.9	0
1981	70	94	0	0	477	641	1073	1442	14.7	0
1982	0	0	0	0	767	969	1109	1401	0	0
1983	100	122	0	0	673	818	1066	1296	14.9	0
1984	90	106	0	0	618	725	1265	1483	14.6	0
1985	40	46	0	0	598	681	1145	1303	6.7	0
1986	30	33	0	0	528	586	673	747	5.7	0
1987	10	11	0	0	529	569	517	556	1.9	0
1988	20	21	0	0	564	587	752	783	3.5	0
1989	0	0	0	0	524	524	912	912	0	0
Costa Rica										
1979	0	0	0	0	1397	2246	934	1501	0.0	0.0
1980	0	0	0	0	1540	2269	1002	1476	0	0
1981	0	0	0	0	1209	1625	1008	1355	0	0
1982	0	0	0	0	889	1123	870	1099	0	0
1983	0	0	0	0	988	1201	873	1062	0	0
1984	5	6	0	0	1094	1283	1006	1179	.5	0
1985	20	23	0	0	1098	1250	976	1111	1.8	0
1986	10	11	0	0	1148	1274	1121	1244	.9	0
1987	0	0	0	0	1383	1487	1158	1245	0	0
1988	0	0	0	0	1410	1468	1246	1297	0	0
1989	0	0	0	0	1743	1743	1404	1404	0	0
Cote d'Ivoire (see Ivory Coast)										
Cuba										
1979	700	1125	0	0	5089	8181	4829	7763	13.8	0.0
1980	480	707	0	0	6409	9443	5593	8241	7.5	0
1981	1500	2016	10	13	6546	8799	5406	7267	22.9	.2
1982	1700	2147	20	25	6645	8393	5928	7487	25.6	.3
1983	1300	1581	40	49	7235	8798	6416	7802	18.0	.6
1984	1400	1641	20	23	8213	9629	6174	7238	17.0	.3
1985	2400	2732	5	6	8677	9878	6503	7403	27.7	.1
1986	1600	1776	0	0	9158	10160	6438	7144	17.5	0
1987	1800	1936	0	0	7612	8187	5401	5809	23.6	0
1988	1700	1770	0	0	7580	7891	5500	5725	22.4	0
1989	1200	1200	5	5	8124	8124	5392	5392	14.8	

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Cyprus										
1979	10	16	0	0	1010	1624	453	728	1.0	0.0
1980	5	7	0	0	1202	1771	532	784	.4	0
1981	10	13	0	0	1166	1567	562	755	.9	0
1982	20	25	0	0	1223	1545	544	687	1.6	0
1983	20	24	10	12	1219	1482	503	612	1.6	2.0
1984	30	35	0	0	1364	1599	573	672	2.2	0
1985	10	11	0	0	1247	1420	476	542	.8	0
1986	20	22	0	0	1272	1412	451	500	1.6	0
1987	90	97	0	0	1484	1596	568	611	6.1	0
1988	10	10	0	0	1859	1935	705	734	.5	0
1989	40	40	0	0	2288	2288	790	790	1.7	0
Czechoslovakia										
1979	340	547	975	1567	14370	23100	13310	21400	2.4	7.3
1980	350	516	950	1400	15520	22870	15250	22480	2.3	6.2
1981	700	941	800	1075	14960	20110	15200	20440	4.7	5.3
1982	775	979	850	1074	16000	20210	16180	20440	4.8	5.3
1983	340	413	900	1094	17040	20720	17120	20820	2.0	5.3
1984	900	1055	1100	1290	27060	31730	28530	33450	3.3	3.9
1985	800	911	1600	1821	28200	32100	29370	33430	2.8	5.4
1986	1100	1221	1400	1554	34810	38630	34770	38580	3.2	4.0
1987	925	995	1300	1398	37260	40080	36660	39430	2.5	3.5
1988	210	219	925	963	40160	41800	38450	40030	.5	2.4
1989	460	460	875	875	13010	13010	13180	13180	3.5	6.6
Denmark										
1979	30	48	0	0	18400	29580	14700	23620	0.2	0.0
1980	200	295	10	15	19340	28500	16750	24680	1.0	.1
1981	210	282	40	54	17580	23630	16090	21640	1.2	.2
1982	210	265	40	51	16690	21080	15400	19450	1.3	.3
1983	170	207	30	36	16270	19780	16050	19520	1.0	.2
1984	90	106	30	35	16610	19480	15980	18730	.5	.2
1985	100	114	20	23	18240	20770	17090	19460	.5	.1
1986	50	55	20	22	22880	25390	21290	23620	.2	.1
1987	110	118	60	65	25500	27430	25670	27610	.4	.2
1988	200	208	40	42	25920	26980	27650	28790	.8	.1
1989	110	110	20	20	26690	26690	28110	28110	.4	.1
Dominican Republic										
1979	0	0	0	0	1213	1950	869	1397	0.0	0.0
1980	10	15	0	0	1640	2416	962	1417	.6	0
1981	0	0	0	0	1668	2242	1188	1597	0	0
1982	10	13	0	0	1444	1824	768	970	.7	0
1983	5	6	0	0	1471	1789	785	955	.3	0
1984	10	12	0	0	1446	1695	868	1018	.7	0
1985	5	6	0	0	1487	1693	735	837	.3	0
1986	5	6	0	0	1433	1590	718	797	.3	0
1987	5	5	0	0	1830	1968	711	765	.3	0
1988	5	5	0	0	1849	1925	890	926	.3	0
1989	5	5	0	0	2280	2280	928	928	.2	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Ecuador										
1979	170	273	0	0	1600	2572	2104	3382	10.6	0.0
1980	180	265	0	0	2253	3320	2481	3656	8.0	0
1981	110	148	0	0	2246	3019	2451	3295	4.9	0
1982	290	366	0	0	2169	2740	2327	2939	13.4	0
1983	180	219	0	0	1487	1808	2348	2855	12.1	0
1984	140	164	0	0	1616	1895	2620	3072	8.7	0
1985	70	80	0	0	1767	2012	2905	3307	4.0	0
1986	100	111	0	0	1810	2009	2172	2410	5.5	0
1987	90	97	0	0	2252	2422	1928	2074	4.0	0
1988	50	52	0	0	1714	1784	2192	2282	2.9	0
1989	20	20	0	0	1855	1855	2354	2354	1.1	0
Egypt										
1979	600	965	10	16	3837	6168	1840	2958	15.6	0.5
1980	625	921	0	0	4860	7161	3046	4488	12.9	0
1981	900	1210	130	175	8839	11880	3233	4346	10.2	4.0
1982	1900	2400	260	328	9078	11470	3120	3941	20.9	8.3
1983	1500	1824	80	97	10270	12500	3215	3910	14.6	2.5
1984	1700	1993	160	188	10770	12620	3140	3681	15.8	5.1
1985	1500	1708	90	102	9961	11340	3714	4228	15.1	2.4
1986	1200	1332	110	122	8680	9632	2214	2457	13.8	5.0
1987	1700	1828	100	108	7596	8170	2037	2191	22.4	4.9
1988	775	807	210	219	8657	9012	2120	2207	9.0	9.9
1989	600	600	370	370	7434	7434	2565	2565	8.1	14.4
El Salvador										
1979	30	48	0	0	1037	1667	1223	1966	2.9	0.0
1980	0	0	0	0	966	1423	967	1425	0	0
1981	10	13	0	0	986	1325	797	1071	1.0	0
1982	40	51	0	0	857	1082	699	883	4.7	0
1983	50	61	0	0	891	1084	735	894	5.6	0
1984	80	94	0	0	977	1145	717	841	8.2	0
1985	90	102	0	0	961	1094	679	773	9.4	0
1986	80	89	0	0	923	1024	757	840	8.7	0
1987	50	54	0	0	994	1069	591	636	5.0	0
1988	60	62	0	0	1049	1092	566	589	5.7	0
1989	70	70	0	0	1100	1100	497	497	6.4	0
Equatorial Guinea										
1979	0	0	0	0	20	32	30	48	0.0	0.0
1980	20	29	0	0	26	38	14	21	76.9	0
1981	10	13	0	0	40	54	17	23	25.0	0
1982	10	13	0	0	46	58	17	21	21.7	0
1983	10	12	0	0	25	30	18	22	40.0	0
1984	0	0	0	0	25	29	20	23	0	0
1985	0	0	0	0	25	28	23	26	0	0
1986	0	0	0	0	41	45	39	43	0	0
1987	0	0	0	0	50	54	39	42	0	0
1988	0	0	0	0	50	52	49	51	0	0
1989	10	10	0	0	NA	NA	41	41	NA	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Ethiopia									C	
1979	330	530	0	0	567	911	418	672	58.2	0.0
1980	775	1142	0	0	716	1055	425	626	108.2	0
1981	430	578	0	0	739	993	380	511	58.2	0
1982	575	726	0	0	786	993	399	504	73.2	0
1983	975	1186	0	0	876	1065	403	490	111.3	0
1984	1200	1407	0	0	948	1111	417	489	126.6	0
1985	775	882	0	0	993	1130	333	379	78.0	0
1986	330	366	0	0	1102	1223	455	505	29.9	0
1987	1000	1076	0	0	1066	1147	355	382	93.8	0
1988	700	729	0	0	1129	1175	429	447	62.0	0
1989	925	925	0	0	951	951	440	440	97.3	0
Fiji										
1979	5	8	0	0	470	756	257	413	1.1	0.0
1980	0	0	0	0	562	828	377	555	0	0
1981	0	0	0	0	631	848	311	418	0	0
1982	0	0	0	0	509	643	284	359	0	0
1983	0	0	0	0	484	589	240	292	0	0
1984	0	0	0	0	450	528	256	300	0	0
1985	0	0	0	0	442	503	237	270	0	0
1986	0	0	0	0	437	485	274	304	0	0
1987	0	0	0	0	380	409	299	322	0	0
1988	0	0	0	0	454	473	312	325	0	0
1989	0	0	0	0	615	615	370	370	0	0
Finland										
1979	20	32	80	129	11400	18320	11170	17960	0.2	0.7
1980	190	280	5	7	15630	23040	14150	20850	1.2	0
1981	90	121	5	7	14190	19080	14000	18820	.6	0
1982	110	139	10	13	13400	16930	13090	16530	.8	.1
1983	80	97	350	426	12830	15600	12520	15220	.6	2.8
1984	70	82	320	375	12430	14580	13470	15790	.6	2.4
1985	140	159	0	0	13230	15060	13620	15500	1.1	0
1986	220	244	0	0	15340	17020	16360	18150	1.4	0
1987	200	215	0	0	19630	21120	20040	21550	1.0	0
1988	90	94	10	10	21130	22000	21750	22640	.4	0
1989	20	20	0	0	24440	24440	23300	23300	.1	0
France										
1979	110	177	1700	2733	107000	172000	100700	161900	0.1	1.7
1980	40	59	2800	4126	134900	198700	116000	171000	0	2.4
1981	40	54	4300	5780	121000	162600	106400	143100	0	4.0
1982	80	101	4100	5178	115700	146200	96690	122100	.1	4.2
1983	140	170	4000	4864	105900	128800	94940	115500	.1	4.2
1984	100	117	4400	5158	104400	122400	97570	114400	.1	4.5
1985	150	171	5400	6147	108300	123200	101700	115700	.1	5.3
1986	210	233	4900	5438	129400	143600	124900	138700	.2	3.9
1987	290	312	3000	3227	158500	170400	148400	159600	.2	2.0
1988	140	146	2300	2394	178900	186200	167800	174700	.1	1.4
1989	210	210	2700	2700	193000	193000	179400	179400	.1	1.5

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Gabon										
1979	10	16	0	0	532	855	1848	2971	1.9	0.0
1980	60	88	0	0	674	993	2173	3202	8.9	0
1981	20	27	0	0	841	1130	2201	2959	2.4	0
1982	10	13	0	0	867	1095	2161	2729	1.2	0
1983	10	12	0	0	685	833	2000	2432	1.5	0
1984	20	23	0	0	724	849	2011	2358	2.8	0
1985	100	114	0	0	855	973	1951	2221	11.7	0
1986	0	0	0	0	866	961	1271	1410	0	0
1987	0	0	0	0	732	787	1288	1385	0	0
1988	20	21	0	0	930	968	NA	NA	2.2	NA
1989	20	20	0	0	634	634	1140	1140	3.2	0
Gambia, The										
1979	0	0	0	0	141	227	58	93	0.0	0.0
1980	0	0	0	0	165	243	31	46	0	0
1981	0	0	0	0	126	169	27	36	0	0
1982	0	0	0	0	103	130	44	56	0	0
1983	0	0	0	0	115	140	48	58	0	0
1984	10	12	0	0	100	117	49	57	10.0	0
1985	10	11	0	0	93	106	43	49	10.8	0
1986	10	11	0	0	104	115	35	39	9.6	0
1987	10	11	0	0	127	137	40	43	7.9	0
1988	10	10	0	0	137	143	NA	NA	7.3	NA
1989	0	0	0	0	161	161	NA	NA	0	NA
Germany, East										
1979	240	386	80	129	18380	29550	16610	26700	1.3	0.5
1980	625	921	180	265	20790	30630	18860	27790	3.0	1.0
1981	850	1143	140	188	19970	26840	19650	26410	4.3	.7
1982	650	821	160	202	20620	26050	22200	28040	3.2	.7
1983	1200	1459	210	255	21970	26720	24290	29540	5.5	.9
1984	1100	1290	390	457	21930	25710	24550	28780	5.0	1.6
1985	1300	1480	550	626	22150	25220	23890	27200	5.9	2.3
1986	1000	1110	300	333	27500	30510	27830	30880	3.6	1.1
1987	310	333	300	323	30990	33330	30740	33060	1.0	1.0
1988	1000	1041	440	458	30800	32060	32000	33310	3.2	1.4
1989	825	825	330	330	NA	NA	NA	NA	NA	NA
Germany, West										
1979	360	579	1200	1929	159600	256600	171800	276200	0.2	0.7
1980	430	634	1400	2063	188000	277000	192900	284200	.2	.7
1981	550	739	1600	2151	163900	220400	176000	236600	.3	.9
1982	550	695	1000	1263	155300	196200	176400	222800	.4	.6
1983	430	523	2100	2554	152900	185900	169400	206000	.3	1.2
1984	500	586	3000	3517	153000	179400	171700	201300	.3	1.7
1985	490	558	1400	1594	158500	180400	183900	209400	.3	.8
1986	440	488	1100	1221	190900	211800	243300	270000	.2	.5
1987	625	672	1500	1613	228400	245700	294400	316600	.3	.5
1988	1100	1145	1200	1249	250500	260700	323300	336600	.4	.4
1989	875	875	1200	1200	269700	269700	341200	341200	.3	

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Ghana										
1979	50	80	0	0	852	1370	995	1600	5.9	0.0
1980	0	0	0	0	1129	1664	1257	1853	0	0
1981	0	0	0	0	1107	1488	1065	1432	0	0
1982	10	13	0	0	705	890	873	1103	1.4	0
1983	10	12	0	0	2513	3056	2624	3191	.4	0
1984	20	23	0	0	580	680	528	619	3.4	0
1985	0	0	0	0	731	832	617	702	0	0
1986	10	11	0	0	783	869	863	958	1.3	0
1987	20	22	0	0	988	1063	977	1051	2.0	0
1988	20	21	0	0	907	944	1014	1056	2.2	0
1989	30	30	0	0	NA	NA	NA	NA	NA	NA
Greece										
1979	380	611	5	8	9614	15460	3885	6245	4.0	0.1
1980	240	354	0	0	10550	15540	5153	7593	2.3	0
1981	460	618	0	0	8810	11840	4246	5708	5.2	0
1982	400	505	120	152	10030	12660	4298	5429	4.0	2.8
1983	480	584	10	12	9500	11550	4413	5367	5.1	.2
1984	280	328	110	129	9435	11060	4816	5646	3.0	2.3
1985	300	342	30	34	10130	11540	4539	5167	3.0	.7
1986	200	222	40	44	11350	12600	5648	6268	1.8	.7
1987	310	333	40	43	13170	14160	6533	7027	2.4	.6
1988	470	489	30	31	12320	12830	5429	5652	3.8	.6
1989	2000	2000	0	0	16150	16150	7545	7545	12.4	0
Guatemala										
1979	10	16	0	0	1504	2418	1241	1995	0.7	0.0
1980	10	15	0	0	1598	2355	1520	2240	.6	0
1981	0	0	0	0	1688	2269	1226	1648	0	0
1982	10	13	0	0	1388	1753	1120	1415	.7	0
1983	5	6	0	0	1126	1369	1159	1409	.4	0
1984	40	47	0	0	1279	1499	1129	1324	3.1	0
1985	30	34	0	0	1175	1338	1057	1203	2.6	0
1986	0	0	0	0	619	687	1044	1159	0	0
1987	5	5	0	0	1479	1591	981	1055	.3	0
1988	10	10	0	0	1557	1621	1034	1076	.6	0
1989	10	10	0	0	1664	1664	900	900	.6	0
Guinea										
1979	30	48	0	0	NA	NA	NA	NA	NA	NA
1980	20	29	0	0	NA	NA	NA	NA	NA	NA
1981	5	7	0	0	NA	NA	NA	NA	NA	NA
1982	10	13	0	0	NA	NA	NA	NA	NA	NA
1983	50	61	0	0	NA	NA	NA	NA	NA	NA
1984	50	59	0	0	403	472	537	630	12.4	0
1985	70	80	0	0	NA	NA	NA	NA	NA	NA
1986	60	67	0	0	571	634	538	597	10.5	0
1987	70	75	0	0	560	602	571	614	12.5	0
1988	20	21	0	0	509	530	553	576	3.9	0
1989	10	10	0	0	NA	NA	NA	NA	NA	NA

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Guinea-Bissau										
1979	10	16	0	0	61	98	13	21	16.4	0.0
1980	10	15	0	0	55	81	11	16	18.2	0
1981	10	13	0	0	50	67	14	19	20.0	0
1982	0	0	0	0	50	63	12	15	0	0
1983	10	12	0	0	55	67	9	11	18.2	0
1984	40	47	0	0	NA	NA	17	20	NA	0
1985	10	11	0	0	NA	NA	12	14	NA	0
1986	20	22	0	0	NA	NA	NA	NA	NA	NA
1987	20	22	0	0	49	52	17	18	41.0	0
1988	30	31	0	0	NA	NA	NA	NA	NA	NA
1989	10	10	0	0	NA	NA	NA	NA	NA	NA
Guyana										
1979	0	0	0	0	318	511	287	461	0.0	0.0
1980	5	7	0	0	365	538	396	583	1.4	0
1981	0	0	0	0	438	589	352	473	0	0
1982	0	0	0	0	283	357	256	323	0	0
1983	10	12	0	0	231	281	189	230	4.3	0
1984	0	0	0	0	213	250	210	246	0	0
1985	10	11	0	0	226	257	206	235	4.4	0
1986	0	0	0	0	242	269	214	237	0	0
1987	0	0	0	0	254	273	242	260	0	0
1988	0	0	0	0	216	225	230	239	0	0
1989	0	0	0	0	NA	NA	287	287	NA	0
Haiti										
1979	0	0	0	0	272	437	185	297	0.0	0.0
1980	0	0	0	0	375	553	195	287	0	0
1981	10	13	0	0	461	620	154	207	2.2	0
1982	0	0	0	0	387	489	178	225	0	0
1983	5	6	0	0	441	536	166	202	1.1	0
1984	0	0	0	0	450	528	179	210	0	0
1985	10	11	0	0	442	503	174	198	2.3	0
1986	0	0	0	0	355	394	186	206	0	0
1987	5	5	0	0	374	402	216	232	1.3	0
1988	0	0	0	0	344	358	183	191	0	0
1989	0	0	0	0	NA	NA	165	165	NA	0
Honduras										
1979	10	16	0	0	826	1328	734	1180	1.2	0.0
1980	0	0	0	0	1009	1487	829	1221	0	0
1981	10	13	0	0	949	1276	761	1023	1.1	0
1982	0	0	0	0	701	885	660	834	0	0
1983	10	12	0	0	803	977	672	817	1.2	0
1984	80	94	0	0	893	1047	725	850	9.0	0
1985	20	23	0	0	888	1011	780	888	2.3	0
1986	70	78	0	0	875	971	854	948	8.0	0
1987	60	65	0	0	897	965	769	827	6.7	0
1988	40	42	0	0	933	971	869	905	4.3	0
1989	30	30	0	0	981	981	912	912	3.1	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Hungary										
1979	230	370	50	80	11920	19160	11120	17870	1.9	0.4
1980	700	1031	50	74	12610	18580	11640	17160	5.5	.4
1981	190	255	10	13	12590	16930	11830	15900	1.5	.1
1982	380	480	70	88	12870	16250	12420	15690	3.0	.6
1983	160	195	240	292	13370	16260	13200	16050	1.2	1.8
1984	260	305	200	234	12940	15170	13280	15570	2.0	1.5
1985	80	91	220	250	12930	14720	13440	15300	.6	1.6
1986	180	200	160	178	16470	18280	16180	17950	1.1	1.0
1987	400	430	240	258	17360	18670	18050	19420	2.3	1.3
1988	120	125	160	167	18290	19040	19050	19840	.7	.8
1989	30	30	50	50	18630	18630	20210	20210	.2	.2
Iceland										
1979	0	0	0	0	815	1310	782	1257	0.0	0.0
1980	0	0	0	0	999	1472	918	1353	0	0
1981	0	0	0	0	1024	1376	894	1202	0	0
1982	0	0	0	0	944	1192	685	865	0	0
1983	0	0	0	0	818	995	740	900	0	0
1984	0	0	0	0	841	986	739	866	0	0
1985	5	6	0	0	905	1030	815	928	.6	0
1986	0	0	0	0	1119	1242	1099	1220	0	0
1987	0	0	0	0	1590	1710	1375	1479	0	0
1988	0	0	0	0	1597	1662	1424	1482	0	0
1989	0	0	0	0	1401	1401	1406	1406	0	0
India										
1979	550	884	30	48	9827	15800	7806	12550	5.6	0.4
1980	875	1289	30	44	14860	21900	8586	12650	5.9	.3
1981	1100	1479	20	27	15420	20730	8295	11150	7.1	.2
1982	2800	3536	10	13	14790	18680	9358	11820	18.9	.1
1983	1300	1581	10	12	14060	17100	9148	11120	9.2	.1
1984	1300	1524	30	35	14360	16840	9916	11630	9.1	.3
1985	2600	2960	10	11	16070	18300	9214	10490	16.2	.1
1986	3200	3551	40	44	15410	17100	9499	10540	20.8	.4
1987	3500	3764	5	5	16720	17990	11370	12230	20.9	0
1988	3400	3539	0	0	19170	19950	13310	13860	17.7	0
1989	3500	3500	0	0	20430	20430	15820	15820	17.1	0
Indonesia										
1979	180	289	0	0	7202	11580	15590	25060	2.5	0.0
1980	360	530	0	0	10830	15960	21910	32280	3.3	0
1981	440	591	0	0	13270	17840	22260	29920	3.3	0
1982	230	290	10	13	16860	21290	22290	28160	1.4	0
1983	160	195	0	0	16350	19890	21150	25720	1.0	0
1984	130	152	0	0	13880	16270	21900	25680	.9	0
1985	100	114	5	6	10260	11680	18590	21160	1.0	0
1986	100	111	0	0	10720	11890	16070	17840	.9	0
1987	220	237	0	0	12890	13860	17130	18430	1.7	0
1988	250	260	5	5	13250	13790	19460	20260	1.9	0
1989	90	90	10	10	16440	16440	22160	22160	.5	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS	
	Million dollars		Million dollars		Million dollars		Million dollars		%	%	
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989			
Iran											
1979	1500	2411	0	0	9738	15650	19810	31840	15.4	0.0	
1980	420	619	0	0	12250	18040	13230	19500	3.4	0	
1981	925	1243	0	0	14690	19750	10230	13760	6.3	0	
1982	1600	2021	0	0	11950	15100	18570	23450	13.4	0	
1983	825	1003	0	0	18320	22280	19380	23570	4.5	0	
1984	2700	3165	0	0	15370	18020	12420	14560	17.6	0	
1985	1900	2163	0	0	11630	13250	13330	15170	16.3	0	
1986	2600	2885	0	0	10520	11680	8322	9235	24.7	0	
1987	2000	2151	0	0	9570	10290	9400	10110	20.9	0	
1988	2300	2394	0	0	9454	9842	9500	9889	24.3	0	
1989	1300	1300	0	0	10500	10500	12300	12300	12.4	0	
Iraq											
1979	3100	4983	0	0	7179	11540	42400	68160	43.2	0.0	
1980	2400	3536	20	29	13940	20540	26280	38720	17.2	.1	
1981	4200	5646	0	0	20730	27870	10530	14150	20.3	0	
1982	7000	8841	0	0	21530	27200	10250	12950	32.5	0	
1983	6800	8269	0	0	12170	14790	9785	11900	55.9	0	
1984	9100	10670	10	12	11080	12990	10940	12820	82.1	.1	
1985	4600	5237	10	11	10560	12020	12220	13920	43.6	.1	
1986	5700	6325	10	11	10190	11310	9007	9995	55.9	.1	
1987	5400	5808	10	11	7415	7975	9014	9695	72.8	.1	
1988	4900	5101	90	94	10270	10690	12500	13010	47.7	.7	
1989	1900	1900	60	60	12000	12000	16000	16000	15.8	.4	
Ireland											
1979	10	16	0	0	9884	15890	7143	11480	0.1	0.0	
1980	30	44	10	15	11150	16430	8398	12370	.3	.1	
1981	10	13	0	0	10610	14260	7678	10320	.1	0	
1982	10	13	0	0	9702	12250	8063	10180	.1	0	
1983	5	6	0	0	9159	11140	8592	10450	.1	0	
1984	10	12	0	0	9675	11340	9642	11300	.1	0	
1985	10	11	0	0	10020	11410	10360	11790	.1	0	
1986	40	44	0	0	11620	12900	12660	14050	.3	0	
1987	20	22	0	0	13640	14670	16000	17210	.1	0	
1988	20	21	0	0	15570	16200	18720	19490	.1	0	
1989	5	5	0	0	17420	17420	20670	20670	0	0	
Israel											
1979	480	772	260	418	8664	13930	4546	7308	5.5	5.7	
1980	800	1179	140	206	9682	14270	5538	8160	8.3	2.5	
1981	1200	1613	370	497	10120	13610	5670	7622	11.9	6.5	
1982	925	1168	430	543	10240	12930	5255	6637	9.0	8.2	
1983	500	608	210	255	9614	11690	5108	6212	5.2	4.1	
1984	775	909	500	586	9828	11520	5807	6808	7.9	8.6	
1985	1000	1138	725	825	10140	11540	6260	7126	9.9	11.6	
1986	500	555	650	721	10810	12000	7154	7939	4.6	9.1	
1987	1800	1936	725	780	14360	15440	8454	9093	12.5	8.6	
1988	2000	2082	430	448	15020	15640	9752	10150	13.3	4.4	
1989	725	725	625	625	14390	14390	10740	10740	5.0	5.8	

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Italy										
1979	110	177	750	1206	77890	125200	72230	116100	0.1	1.0
1980	120	177	800	1179	100700	148400	78100	115100	.1	1.0
1981	100	134	1400	1882	94260	126700	77070	103600	.1	1.8
1982	150	189	1100	1389	87330	110300	73790	93200	.2	1.5
1983	130	158	1300	1581	79810	97050	72880	88630	.2	1.8
1984	210	246	1300	1524	85160	99840	74560	87420	.2	1.7
1985	230	262	1200	1366	87690	99830	76720	87330	.3	1.6
1986	220	244	675	749	99450	110400	97610	108300	.2	.7
1987	200	215	525	565	125100	134600	116400	125200	.2	.5
1988	280	291	380	396	138600	144200	127900	133100	.2	.3
1989	300	300	60	60	153000	153000	140700	140700	.2	0
Ivory Coast										
1979	70	113	0	0	2492	4006	2515	4043	2.8	0.0
1980	110	162	0	0	2967	4372	3135	4619	3.7	0
1981	80	108	0	0	2383	3203	2533	3405	3.4	0
1982	20	25	0	0	2180	2753	2350	2968	.9	0
1983	30	36	0	0	1839	2236	2091	2543	1.6	0
1984	20	23	0	0	1497	1755	2707	3174	1.3	0
1985	20	23	0	0	1749	1991	3198	3641	1.1	0
1986	0	0	0	0	2055	2280	3354	3722	0	0
1987	5	5	0	0	2370	2549	3110	3345	.2	0
1988	0	0	0	0	2081	2167	2770	2884	0	0
1989	0	0	0	0	1641	1641	1684	1684	0	0
Jamaica										
1979	0	0	0	0	994	1598	818	1315	0.0	0.0
1980	0	0	0	0	1095	1613	963	1419	0	0
1981	0	0	0	0	1473	1980	974	1309	0	0
1982	0	0	0	0	1381	1744	767	969	0	0
1983	0	0	0	0	1494	1817	718	873	0	0
1984	0	0	0	0	1146	1344	747	876	0	0
1985	10	11	0	0	1111	1265	566	644	.9	0
1986	0	0	0	0	972	1079	589	654	0	0
1987	5	5	0	0	1238	1332	706	759	.4	0
1988	0	0	0	0	1440	1499	831	865	0	0
1989	5	5	0	0	1801	1801	967	967	.3	0
Japan										
1979	230	370	60	96	109800	176600	102300	164500	0.2	0.1
1980	340	501	70	103	141300	208200	130400	192200	.2	.1
1981	650	874	220	296	142900	192000	151500	203600	.5	.1
1982	600	758	160	202	131500	166100	138400	174800	.5	.1
1983	775	942	310	377	126400	153800	147000	178700	.6	.2
1984	950	1114	280	328	136200	159600	169700	199000	.7	.2
1985	1000	1138	150	171	130500	148500	177200	201700	.8	.1
1986	825	916	180	200	127600	141500	210800	233900	.6	.1
1987	1000	1076	120	129	151000	162400	231300	248800	.7	.1
1988	1200	1249	100	104	187400	195100	264900	275700	.6	0
1989	1400	1400	110	110	209700	209700	273900	273900	.7	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS	ARMS ^c EXPORTS	
	Million dollars		Million dollars		Million dollars		Million dollars		TOTAL IMPORTS	TOTAL EXPORTS	
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	%	%	
Jordan											
1979	100	161	0	0	1963	3156	403	648	5.1	0.0	
1980	260	383	0	0	2402	3539	574	846	10.8	0	
1981	1100	1479	0	0	3165	4254	733	985	34.8	0	
1982	850	1074	0	0	3240	4092	752	950	26.2	0	
1983	1100	1338	10	12	3036	3692	580	705	36.2	1.7	
1984	230	270	0	0	2784	3264	752	882	8.3	0	
1985	600	683	0	0	2733	3111	789	898	22.0	0	
1986	450	499	40	44	2432	2699	733	813	18.5	5.5	
1987	330	355	70	75	2710	2915	930	1000	12.2	7.5	
1988	450	468	40	42	2732	2844	1019	1061	16.5	3.9	
1989	190	190	5	5	2125	2125	1107	1107	8.9	.5	
Kampuchea (see Cambodia)											
Kenya											
1979	90	145	0	0	1636	2630	1090	1752	5.5	0.0	
1980	60	88	0	0	2125	3131	1245	1834	2.8	0	
1981	160	215	0	0	1939	2606	1138	1530	8.3	0	
1982	40	51	0	0	1644	2076	1021	1290	2.4	0	
1983	50	61	0	0	1334	1622	876	1065	3.7	0	
1984	5	6	0	0	1469	1722	1081	1267	.3	0	
1985	5	6	0	0	1436	1635	958	1091	.3	0	
1986	10	11	0	0	1613	1790	1200	1332	.6	0	
1987	10	11	0	0	1755	1888	961	1034	.6	0	
1988	160	167	0	0	1975	2056	1071	1115	8.1	0	
1989	10	10	0	0	2150	2150	970	970	.5	0	
Korea, North											
1979	210	338	90	145	1300	2090	1320	2122	16.2	6.8	
1980	90	133	220	324	NA	NA	NA	NA	NA	NA	
1981	200	269	500	672	1645	2211	1410	1895	12.2	35.5	
1982	340	429	625	789	1600	2021	1700	2147	21.3	36.8	
1983	190	231	220	268	1500	1824	1400	1703	12.7	15.7	
1984	120	141	575	674	1360	1594	1600	1876	8.8	35.9	
1985	380	433	350	398	1720	1958	1380	1571	22.1	25.4	
1986	420	466	250	277	2000	2219	1700	1887	21.0	14.7	
1987	420	452	400	430	NA	NA	NA	NA	NA	NA	
1988	1000	1041	470	489	3100	3227	2400	2498	32.3	19.6	
1989	525	525	400	400	NA	NA	NA	NA	NA	NA	
Korea, South											
1979	525	844	180	289	20340	32700	15050	24200	2.6	1.2	
1980	480	707	250	368	22290	32850	17500	25790	2.2	1.4	
1981	390	524	260	349	26130	35130	21250	28570	1.5	1.2	
1982	430	543	975	1231	24250	30630	21850	27600	1.8	4.5	
1983	390	474	410	499	26190	31850	24440	29730	1.5	1.7	
1984	380	445	480	563	30630	35910	29240	34290	1.2	1.6	
1985	430	490	170	194	31140	35450	30280	34470	1.4	.6	
1986	550	610	130	144	31580	35050	34710	38520	1.7	.4	
1987	625	672	70	75	41020	44120	47280	50850	1.5	.1	
1988	675	703	70	73	51810	53930	60700	63190	1.3	.1	
1989	370	370	40	40	61300	61300	62330	62330	.6	.1	

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Kuwait										
1979	60	96	0	0	5200	8359	18400	29590	1.2	0.0
1980	40	59	0	0	6529	9620	19660	28970	.6	0
1981	120	161	5	7	6978	9380	16040	21570	1.7	0
1982	110	139	0	0	8282	10460	10860	13720	1.3	0
1983	140	170	0	0	7373	8966	11500	13990	1.9	0
1984	600	703	0	0	6896	8085	11620	13630	8.7	0
1985	350	398	0	0	6005	6836	10490	11940	5.8	0
1986	140	155	0	0	5717	6344	7383	8193	2.4	0
1987	160	172	20	22	5493	5908	8264	8888	2.9	.2
1988	210	219	0	0	6144	6396	7661	7975	3.4	0
1989	490	490	0	0	6296	6296	11480	11480	7.8	0
Laos										
									c	
1979	70	113	0	0	20	32	5	8	350.0	0.0
1980	130	192	0	0	29	43	5	7	448.3	0
1981	60	81	0	0	21	28	2	3	285.7	0
1982	90	114	0	0	NA	NA	NA	NA	NA	NA
1983	140	170	0	0	NA	NA	NA	NA	NA	NA
1984	130	152	0	0	98	115	36	42	132.7	0
1985	100	114	0	0	NA	NA	NA	NA	NA	NA
1986	100	111	0	0	205	227	56	62	48.8	0
1987	140	151	0	0	219	235	49	52	64	0
1988	150	156	0	0	NA	NA	NA	NA	NA	NA
1989	100	100	0	0	219	219	58	58	45.7	0
Lebanon										
1979	20	32	0	0	2700	4340	773	1243	0.7	0.0
1980	40	59	0	0	3650	5378	868	1279	1.1	0
1981	50	67	0	0	3499	4703	836	1124	1.4	0
1982	50	63	0	0	3391	4283	727	918	1.5	0
1983	230	280	0	0	3661	4452	691	840	6.3	0
1984	240	281	0	0	2948	3456	582	682	8.1	0
1985	40	46	0	0	2203	2508	482	549	1.8	0
1986	10	11	0	0	2203	2445	500	555	.5	0
1987	10	11	0	0	1880	2022	591	636	.5	0
1988	10	10	0	0	2457	2558	709	738	.4	0
1989	10	10	0	0	2500	2500	502	502	.4	0
Lesotho										
1979	0	0	0	0	361	580	45	72	0.0	0.0
1980	0	0	0	0	464	683	58	86	0	0
1981	0	0	0	0	532	715	51	69	0	0
1982	0	0	0	0	526	664	36	45	0	0
1983	5	6	0	0	587	714	23	28	.9	0
1984	0	0	0	0	504	591	28	33	0	0
1985	0	0	0	0	377	429	21	24	0	0
1986	0	0	0	0	393	436	25	28	0	0
1987	0	0	0	0	518	557	36	39	0	0
1988	0	0	0	0	523	544	66	69	0	0
1989	0	0	0	0	594	594	66	66	0	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Liberia										
1979	0	0	0	0	506	813	537	863	0.0	0.0
1980	5	7	0	0	535	788	589	868	.9	0
1981	0	0	0	0	449	604	529	711	0	0
1982	0	0	0	0	410	518	475	600	0	0
1983	10	12	0	0	412	501	428	520	2.4	0
1984	10	12	0	0	363	426	452	530	2.8	0
1985	10	11	0	0	284	323	436	496	3.5	0
1986	10	11	0	0	267	296	404	448	3.7	0
1987	10	11	0	0	308	331	382	411	3.2	0
1988	10	10	0	0	NA	NA	NA	NA	NA	NA
1989	0	0	0	0	335	335	550	550	0	0
Libya										
									c	
1979	2900	4662	90	145	5311	8538	16080	25840	54.6	0.6
1980	2600	3831	20	29	6777	9985	21910	32280	38.4	.1
1981	3200	4301	60	81	8382	11270	15570	20930	38.2	.4
1982	3200	4042	290	366	7175	9062	13950	17620	44.6	2.1
1983	2200	2675	80	97	7467	9081	11390	13850	29.5	.7
1984	2100	2462	30	35	6800	7972	11140	13060	30.9	.3
1985	1600	1821	90	102	5422	6172	10930	12440	29.5	.8
1986	1200	1332	70	78	4511	5006	7720	8567	26.6	.9
1987	625	672	70	75	4877	5245	8052	8660	12.8	.9
1988	600	625	60	62	5911	6153	6000	6246	10.2	1.0
1989	975	975	40	40	6200	6200	6100	6100	15.7	.7
Luxembourg										
1979	0	0	0	0	3110	5000	2926	4704	0.0	0.0
1980	0	0	0	0	3612	5322	3005	4428	0	0
1981	0	0	0	0	2998	4030	2385	3206	0	0
1982	0	0	0	0	2728	3446	2230	2817	0	0
1983	10	12	0	0	2664	3240	2180	2651	.4	0
1984	5	6	0	0	2770	3247	2519	2953	.2	0
1985	0	0	0	0	2983	3396	2830	3222	0	0
1986	5	6	0	0	NA	NA	NA	NA	NA	NA
1987	10	11	0	0	NA	NA	NA	NA	NA	NA
1988	10	10	0	0	NA	NA	NA	NA	NA	NA
1989	10	10	5	5	NA	NA	NA	NA	NA	NA
Madagascar										
1979	20	32	0	0	641	1030	394	633	3.1	0.0
1980	60	88	0	0	600	884	401	591	10.0	0
1981	50	67	0	0	545	733	317	426	9.2	0
1982	30	38	0	0	417	527	311	393	7.2	0
1983	40	49	0	0	387	471	297	361	10.3	0
1984	10	12	0	0	366	429	332	389	2.7	0
1985	30	34	0	0	402	458	274	312	7.5	0
1986	20	22	0	0	353	392	313	347	5.7	0
1987	30	32	0	0	302	325	331	356	9.9	0
1988	10	10	0	0	360	375	278	289	2.8	0
1989	30	30	0	0	NA	NA	319	319	NA	

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Malawi										
1979	20	32	0	0	399	641	233	375	5.0	0.0
1980	10	15	0	0	439	647	295	435	2.3	0
1981	0	0	0	0	359	483	283	380	0	0
1982	0	0	0	0	304	384	239	302	0	0
1983	0	0	0	0	311	378	229	278	0	0
1984	5	6	0	0	271	318	314	368	1.8	0
1985	5	6	0	0	285	324	249	283	1.8	0
1986	5	6	0	0	260	289	248	275	1.9	0
1987	0	0	0	0	295	317	277	298	0	0
1988	5	5	0	0	406	423	289	301	1.2	0
1989	5	5	0	0	505	505	268	268	1.0	0
Malaysia										
1979	180	289	0	0	7849	12620	11080	17810	2.3	0.0
1980	160	236	30	44	10820	15940	12960	19090	1.5	.2
1981	90	121	0	0	11580	15570	11760	15810	.8	0
1982	100	126	10	13	12390	15660	12030	15200	.8	.1
1983	270	328	0	0	13200	16050	14130	17180	2.0	0
1984	410	481	0	0	14070	16490	16590	19450	2.9	0
1985	470	535	0	0	12300	14000	15440	17580	3.8	0
1986	60	67	0	0	10820	12010	13750	15260	.6	0
1987	70	75	0	0	12700	13660	17940	19290	.6	0
1988	40	42	0	0	16550	17230	21110	21980	.2	0
1989	70	70	0	0	22500	22500	25050	25050	.3	0
Mali										
1979	20	32	0	0	361	580	148	238	5.5	0.0
1980	10	15	0	0	439	647	205	302	2.3	0
1981	20	27	0	0	365	491	155	208	5.5	0
1982	10	13	0	0	332	419	146	184	3.0	0
1983	5	6	0	0	353	429	165	201	1.4	0
1984	40	47	0	0	278	326	133	156	14.4	0
1985	10	11	0	0	299	340	124	141	3.3	0
1986	0	0	0	0	444	493	212	235	0	0
1987	40	43	0	0	374	402	179	193	10.7	0
1988	70	73	0	0	513	534	251	261	13.6	0
1989	10	10	10	10	NA	NA	NA	NA	NA	NA
Malta										
1979	0	0	0	0	759	1220	424	682	0.0	0.0
1980	0	0	0	0	938	1382	483	712	0	0
1981	0	0	0	0	860	1156	449	604	0	0
1982	0	0	0	0	789	997	411	519	0	0
1983	0	0	0	0	733	891	363	441	0	0
1984	0	0	0	0	717	841	394	462	0	0
1985	0	0	0	0	759	864	400	455	0	0
1986	0	0	0	0	887	984	497	552	0	0
1987	5	5	0	0	1139	1225	605	651	.4	0
1988	0	0	0	0	1353	1408	714	743	0	0
1989	0	0	0	0	1477	1477	844	844	0	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Mauritania										
1979	10	16	0	0	259	416	147	236	3.9	0.0
1980	0	0	0	0	286	421	194	286	0	0
1981	5	7	0	0	265	356	261	351	1.9	0
1982	10	13	0	0	276	349	233	294	3.6	0
1983	10	12	0	0	227	276	291	354	4.4	0
1984	20	23	0	0	208	244	291	341	9.6	0
1985	0	0	0	0	234	266	374	426	0	0
1986	5	6	0	0	221	245	360	399	2.3	0
1987	0	0	0	0	235	253	428	460	0	0
1988	10	10	0	0	240	250	354	369	4.2	0
1989	20	20	0	0	222	222	238	238	9.0	0
Mauritius										
1979	0	0	0	0	565	908	373	600	0.0	0.0
1980	5	7	0	0	609	897	431	635	.8	0
1981	0	0	0	0	563	757	332	446	0	0
1982	0	0	0	0	464	586	364	460	0	0
1983	0	0	0	0	441	536	366	445	0	0
1984	0	0	0	0	470	551	372	436	0	0
1985	0	0	0	0	523	595	436	496	0	0
1986	0	0	0	0	676	750	662	735	0	0
1987	0	0	0	0	993	1068	884	951	0	0
1988	0	0	0	0	1261	1313	994	1035	0	0
1989	5	5	0	0	1324	1324	986	986	.4	0
Mexico										
1979	10	16	10	16	12090	19430	8982	14440	0.1	0.1
1980	20	29	5	7	19460	28670	15570	22940	.1	0
1981	50	67	10	13	24070	32350	19650	26410	.2	.1
1982	200	253	5	6	15130	19110	21210	26790	1.3	0
1983	50	61	5	6	8023	9757	21820	26530	.6	0
1984	20	23	10	12	11790	13820	24410	28610	.2	0
1985	30	34	10	11	13990	15930	22110	25170	.2	0
1986	100	111	10	11	12000	13310	16350	18140	.8	.1
1987	240	258	10	11	12730	13690	20890	22460	1.9	0
1988	60	62	10	10	19590	20390	20760	21620	.3	0
1989	20	20	10	10	24440	24440	23050	23050	.1	0
Mongolia										
1979	100	161	0	0	NA	NA	NA	NA	NA	NA
1980	160	236	0	0	NA	NA	NA	NA	NA	NA
1981	150	202	0	0	NA	NA	NA	NA	NA	NA
1982	280	354	0	0	NA	NA	NA	NA	NA	NA
1983	40	49	0	0	NA	NA	NA	NA	NA	NA
1984	40	47	0	0	NA	NA	NA	NA	NA	NA
1985	5	6	0	0	1000	1138	388	442	.5	0
1986	10	11	0	0	NA	NA	NA	NA	NA	NA
1987	0	0	0	0	NA	NA	NA	NA	NA	NA
1988	0	0	0	0	NA	NA	NA	NA	NA	NA
1989	0	0	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Morocco										
1979	470	756	0	0	3662	5887	1872	3009	12.8	0.0
1980	350	516	5	7	4164	6135	2493	3673	8.4	.2
1981	340	457	0	0	4411	5929	2386	3207	7.7	0
1982	270	341	0	0	4315	5450	2062	2604	6.3	0
1983	320	389	0	0	3592	4368	2006	2439	8.9	0
1984	210	246	0	0	3911	4585	2080	2439	5.4	0
1985	110	125	0	0	3849	4382	2165	2465	2.9	0
1986	90	100	0	0	3803	4220	2454	2723	2.4	0
1987	410	441	0	0	4230	4550	2826	3040	9.7	0
1988	130	135	0	0	4773	4969	3603	3751	2.7	0
1989	40	40	0	0	5457	5457	3307	3307	.7	0
Mozambique										
									c	
1979	120	193	0	0	571	918	255	410	21.0	0.0
1980	150	221	0	0	800	1179	281	414	18.8	0
1981	110	148	0	0	801	1077	281	378	13.7	0
1982	150	189	0	0	837	1057	229	289	17.9	0
1983	400	486	5	6	636	773	132	161	62.9	3.8
1984	360	422	0	0	540	633	96	113	66.7	0
1985	270	307	0	0	NA	NA	NA	NA	NA	NA
1986	170	189	0	0	480	533	80	89	35.4	0
1987	120	129	0	0	647	696	86	92	18.5	0
1988	160	167	0	0	764	795	100	104	20.9	0
1989	120	120	0	0	NA	NA	NA	NA	NA	NA
Myanmar (see Burma)										
Nepal										
1979	0	0	0	0	254	408	109	175	0.0	0.0
1980	0	0	0	0	342	504	80	118	0	0
1981	0	0	0	0	369	496	140	188	0	0
1982	5	6	0	0	395	499	88	111	1.3	0
1983	5	6	0	0	464	564	94	114	1.1	0
1984	0	0	0	0	416	488	128	150	0	0
1985	5	6	0	0	453	516	160	182	1.1	0
1986	0	0	0	0	459	509	142	158	0	0
1987	0	0	0	0	570	613	151	162	0	0
1988	20	21	0	0	681	709	190	198	2.9	0
1989	0	0	0	0	580	580	158	158	0	0
Netherlands										
1979	260	418	130	209	68190	109600	63700	102400	0.4	0.2
1980	460	678	220	324	78040	115000	73960	109000	.6	.3
1981	380	511	330	444	67230	90370	68710	92370	.6	.5
1982	550	695	390	493	63770	80540	66280	83720	.9	.6
1983	675	821	170	207	61650	74970	64680	78660	1.1	.3
1984	525	615	260	305	62290	73030	65480	76760	.8	.4
1985	525	598	160	182	65200	74220	67910	77310	.8	.2
1986	500	555	120	133	75540	83820	80360	89170	.7	.1
1987	600	645	675	726	91310	98210	92570	99570	.7	.7
1988	410	427	725	755	99470	103600	103200	107400	.4	.7
1989	480	480	140	140	104200	104200	115600	115600	.5	.1

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
New Zealand										
1979	10	16	0	0	4553	7319	4706	7565	0.2	0.0
1980	10	15	0	0	5472	8063	5421	7987	.2	0
1981	10	13	0	0	5734	7708	5622	7557	.2	0
1982	20	25	5	6	5782	7303	5571	7036	.3	.1
1983	50	61	0	0	5333	6485	5414	6584	.9	0
1984	60	70	0	0	6203	7272	5518	6469	1.0	0
1985	80	91	0	0	5992	6821	5720	6512	1.3	0
1986	50	55	0	0	6063	6728	5880	6525	.8	0
1987	40	43	0	0	7276	7826	7195	7739	.5	0
1988	90	94	5	5	7342	7643	8784	9144	1.2	.1
1989	50	50	0	0	8787	8787	8885	8885	.6	0
Nicaragua										
									c	
1979	5	8	0	0	360	579	567	911	1.4	0.0
1980	10	15	0	0	887	1307	451	665	1.1	0
1981	170	229	0	0	999	1343	508	683	17.0	0
1982	150	189	0	0	776	980	406	513	19.3	0
1983	280	341	0	0	826	1004	429	522	33.9	0
1984	350	410	0	0	848	994	386	453	41.3	0
1985	280	319	0	0	964	1097	302	344	29.0	0
1986	600	666	0	0	857	951	247	274	70.0	0
1987	500	538	0	0	923	993	300	323	54.2	0
1988	550	573	0	0	800	833	236	245	68.8	0
1989	430	430	0	0	550	550	250	250	78.2	0
Niger										
1979	20	32	0	0	461	741	448	720	4.3	0.0
1980	5	7	0	0	594	875	566	834	.8	0
1981	10	13	0	0	510	686	455	612	2.0	0
1982	5	6	0	0	466	589	332	419	1.1	0
1983	0	0	0	0	324	394	299	364	0	0
1984	0	0	0	0	285	334	273	320	0	0
1985	0	0	0	0	345	393	209	238	0	0
1986	20	22	0	0	NA	NA	243	270	NA	0
1987	5	5	0	0	NA	NA	NA	NA	NA	NA
1988	5	5	0	0	441	459	371	386	1.1	0
1989	5	5	0	0	NA	NA	NA	NA	NA	NA
Nigeria										
1979	110	177	0	0	10220	16430	17210	27670	1.1	0.0
1980	80	118	0	0	16660	24550	25970	38260	.5	0
1981	440	591	0	0	20880	28060	17850	24000	2.1	0
1982	260	328	0	0	16060	20290	12180	15390	1.6	0
1983	310	377	0	0	12250	14900	10360	12590	2.5	0
1984	550	645	0	0	9364	10980	11860	13900	5.9	0
1985	310	353	0	0	8877	10110	12550	14280	3.5	0
1986	190	211	5	6	3405	3779	5157	5723	5.6	.1
1987	170	183	0	0	3909	4204	7365	7921	4.3	0
1988	40	42	0	0	5700	5934	6876	7158	.7	0
1989	5	5	20	20	6200	6200	7871	7871	.1	.3

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Norway										
1979	40	64	60	96	13710	22030	13550	21780	0.3	0.4
1980	230	339	90	133	16930	24940	18560	27350	1.4	.5
1981	230	309	80	108	15650	21040	18220	24490	1.5	.4
1982	290	366	70	88	15480	19550	17590	22220	1.9	.4
1983	260	316	60	73	13500	16410	18000	21890	1.9	.3
1984	250	293	30	35	13880	16280	18890	22140	1.8	.2
1985	170	194	30	34	15560	17710	19980	22750	1.1	.2
1986	200	222	30	33	20300	22530	18090	20080	1.0	.2
1987	260	280	40	43	22640	24350	21490	23110	1.1	.2
1988	280	291	50	52	23220	24170	22440	23360	1.2	.2
1989	340	340	30	30	23670	23670	27060	27060	1.4	.1
Oman										
1979	30	48	0	0	1246	2003	2166	3482	2.4	0.0
1980	100	147	0	0	1732	2552	3294	4853	5.8	0
1981	60	81	0	0	2288	3076	4422	5944	2.6	0
1982	130	164	0	0	2682	3387	4119	5202	4.8	0
1983	350	426	0	0	2492	3030	4222	5134	14.0	0
1984	310	363	0	0	2748	3222	3926	4603	11.3	0
1985	140	159	0	0	3153	3589	4705	5356	4.4	0
1986	110	122	5	6	2402	2666	2516	2792	4.6	.2
1987	110	118	0	0	1822	1960	3198	3440	6.0	0
1988	30	31	0	0	2202	2292	2625	2733	1.4	0
1989	60	60	0	0	2257	2257	NA	NA	2.7	NA
Pakistan										
1979	250	402	10	16	4056	6520	2056	3305	6.2	0.5
1980	450	663	10	15	5350	7883	2618	3857	8.4	.4
1981	320	430	40	54	5631	7569	2883	3875	5.7	1.4
1982	550	695	20	25	5465	6902	2397	3027	10.1	.8
1983	430	523	300	365	5329	6481	3077	3742	8.1	9.7
1984	625	733	310	363	5853	6862	2558	2999	10.7	12.1
1985	470	535	40	46	5890	6705	2740	3119	8.0	1.5
1986	310	344	5	6	5374	5964	3384	3755	5.8	.1
1987	320	344	5	5	5822	6262	4172	4487	5.5	.1
1988	420	437	10	10	6590	6860	4522	4707	6.4	.2
1989	460	460	20	20	7143	7143	4709	4709	6.4	.4
Panama										
1979	0	0	0	0	1184	1903	303	487	0.0	0.0
1980	30	44	0	0	1449	2135	358	527	2.1	0
1981	5	7	0	0	1540	2070	328	441	.3	0
1982	10	13	0	0	1570	1983	371	469	.6	0
1983	0	0	0	0	1412	1717	321	390	0	0
1984	10	12	0	0	1423	1668	274	321	.7	0
1985	10	11	0	0	1392	1585	333	379	.7	0
1986	10	11	0	0	1229	1364	341	378	.8	0
1987	20	22	0	0	1306	1405	348	374	1.5	0
1988	10	10	0	0	751	782	280	291	1.3	0
1989	5	5	0	0	986	986	297	297	.5	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Papua New Guinea										
1979	10	16	0	0	903	1452	883	1419	1.1	0.0
1980	30	44	0	0	1176	1733	1031	1519	2.6	0
1981	20	27	0	0	1261	1695	838	1126	1.6	0
1982	0	0	0	0	1170	1478	771	974	0	0
1983	20	24	0	0	1120	1362	813	989	1.8	0
1984	30	35	0	0	1110	1301	892	1046	2.7	0
1985	10	11	0	0	1008	1148	912	1038	1.0	0
1986	0	0	0	0	1080	1198	1033	1146	0	0
1987	10	11	0	0	1220	1312	1161	1249	.8	0
1988	30	31	0	0	1380	1437	1399	1456	2.2	0
1989	40	40	0	0	1548	1548	1404	1404	2.6	0
Paraguay										
1979	10	16	0	0	521	838	305	490	1.9	0.0
1980	40	59	0	0	615	906	310	457	6.5	0
1981	5	7	0	0	600	807	296	398	.8	0
1982	0	0	0	0	672	849	330	417	0	0
1983	0	0	0	0	546	664	269	327	0	0
1984	20	23	0	0	586	687	335	393	3.4	0
1985	20	23	0	0	502	571	304	346	4.0	0
1986	10	11	0	0	578	641	234	260	1.7	0
1987	0	0	0	0	595	640	353	380	0	0
1988	30	31	0	0	574	598	510	531	5.2	0
1989	0	0	0	0	798	798	691	691	0	0
Peru										
1979	150	241	0	0	1820	2926	3491	5612	8.2	0.0
1980	360	530	0	0	2500	3684	3898	5743	14.4	0
1981	360	484	0	0	3482	4681	3255	4375	10.3	0
1982	260	328	60	76	3601	4548	3259	4116	7.2	1.8
1983	240	292	0	0	2548	3099	3015	3666	9.4	0
1984	190	223	0	0	2212	2593	3147	3689	8.6	0
1985	60	68	0	0	1835	2089	2979	3391	3.3	0
1986	140	155	0	0	2909	3228	2531	2809	4.8	0
1987	440	473	0	0	3562	3831	2661	2862	12.4	0
1988	30	31	0	0	3080	3206	2695	2805	1.0	0
1989	180	180	0	0	2398	2398	3522	3522	7.5	0
Philippines										
1979	50	80	0	0	6612	10630	4567	7342	0.8	0.0
1980	60	88	0	0	8295	12220	5741	8459	.7	0
1981	60	81	0	0	8479	11400	5655	7602	.7	0
1982	60	76	0	0	8263	10440	4968	6275	.7	0
1983	30	36	20	24	7976	9699	4890	5947	.4	.4
1984	40	47	10	12	6432	7541	5274	6183	.6	.2
1985	30	34	10	11	5459	6215	4607	5245	.5	.2
1986	40	44	10	11	5394	5986	4770	5293	.7	.2
1987	50	54	0	0	7144	7684	5649	6076	.7	0
1988	60	62	0	0	8721	9078	7032	7320	.7	0
1989	70	70	0	0	11170	11170	7755	7755	.6	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Poland										
1979	200	322	575	924	18160	29200	16860	27100	1.1	3.4
1980	370	545	850	1252	19700	29030	17540	25850	1.9	4.8
1981	1100	1479	1000	1344	15980	21480	13640	18340	6.9	7.3
1982	900	1137	925	1168	14610	18450	15260	19280	6.2	6.1
1983	875	1064	1100	1338	15750	19160	16430	19980	5.6	6.7
1984	490	574	1000	1172	16540	19390	17270	20250	3.0	5.8
1985	1100	1252	1300	1480	17420	19830	17710	20160	6.3	7.3
1986	1200	1332	1500	1665	22310	24760	23360	25920	5.4	6.4
1987	825	887	1300	1398	22840	24560	24690	26560	3.6	5.3
1988	1000	1041	1200	1249	26610	27700	30750	32010	3.8	3.9
1989	625	625	400	400	24380	24380	28480	28480	2.6	1.4
Portugal										
1979	20	32	20	32	6534	10500	3479	5593	0.3	0.6
1980	80	118	50	74	9309	13720	4640	6837	.9	1.1
1981	170	229	30	40	9800	13170	4148	5576	1.7	.7
1982	90	114	110	139	9572	12090	4164	5259	.9	2.6
1983	50	61	70	85	8240	10020	4599	5593	.6	1.5
1984	40	47	110	129	7961	9333	5200	6096	.5	2.1
1985	220	250	210	239	7652	8711	5685	6472	2.9	3.7
1986	30	33	220	244	9650	10710	7242	8037	.3	3.0
1987	30	32	60	65	13970	15020	9320	10020	.2	.6
1988	50	52	100	104	17870	18600	10990	11440	.3	.9
1989	60	60	40	40	19070	19070	12510	12510	.3	.3
Qatar										
1979	20	32	0	0	1424	2289	4979	8004	1.4	0.0
1980	90	133	0	0	1423	2097	8305	12240	6.3	0
1981	150	202	0	0	1518	2041	8289	11140	9.9	0
1982	270	341	0	0	1947	2459	6336	8003	13.9	0
1983	240	292	0	0	1456	1771	4833	5877	16.5	0
1984	210	246	0	0	1162	1362	4258	4992	18.1	0
1985	40	46	0	0	1139	1297	4203	4785	3.5	0
1986	80	89	0	0	1099	1220	2720	3018	7.3	0
1987	0	0	0	0	1162	1250	2113	2273	0	0
1988	30	31	0	0	1267	1319	2200	2290	2.4	0
1989	0	0	0	0	1326	1326	NA	NA	0	NA
Romania										
1979	170	273	80	129	11170	17950	9949	15990	1.5	0.8
1980	410	604	90	133	12810	18880	11210	16520	3.2	.8
1981	150	202	490	659	12460	16740	12610	16950	1.2	3.9
1982	30	38	775	979	9745	12310	11560	14600	.3	6.7
1983	70	85	380	462	9643	11730	11510	14000	.7	3.3
1984	130	152	310	363	10330	12120	12650	14830	1.3	2.5
1985	40	46	440	501	10430	11880	12170	13850	.4	3.6
1986	500	555	310	344	10600	11760	12540	13920	4.7	2.5
1987	120	129	210	226	11480	12340	13180	14180	1.0	1.6
1988	20	21	150	156	NA	NA	NA	NA	NA	NA
1989	20	20	70	70	NA	NA	NA	NA	NA	NA

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Rwanda										
1979	5	8	0	0	192	309	111	178	2.6	0.0
1980	20	29	0	0	243	358	72	106	8.2	0
1981	0	0	0	0	283	380	82	110	0	0
1982	0	0	0	0	286	361	90	114	0	0
1983	0	0	0	0	279	339	121	147	0	0
1984	5	6	0	0	278	326	145	170	1.8	0
1985	0	0	0	0	298	339	131	149	0	0
1986	0	0	0	0	349	387	189	210	0	0
1987	0	0	0	0	352	379	114	123	0	0
1988	0	0	0	0	370	385	108	112	0	0
1989	20	20	0	0	333	333	95	95	6.0	0
Sao Tome & Principe										
1979	0	0	0	0	20	32	27	43	0.0	0.0
1980	5	7	0	0	19	28	17	25	26.3	0
1981	0	0	0	0	17	23	9	12	0	0
1982	0	0	0	0	NA	NA	NA	NA	NA	NA
1983	10	12	0	0	NA	NA	NA	NA	NA	NA
1984	0	0	0	0	NA	NA	NA	NA	NA	NA
1985	0	0	0	0	NA	NA	NA	NA	NA	NA
1986	20	22	0	0	16	18	9	10	125.0	0
1987	5	5	0	0	12	13	6	6	41.7	0
1988	0	0	0	0	17	18	10	10	0	0
1989	5	5	0	0	NA	NA	NA	NA	NA	NA
Saudi Arabia										
1979	1200	1929	90	145	24460	39330	63430	102000	4.9	0.1
1980	1600	2357	0	0	30160	44450	109100	160700	5.3	0
1981	2700	3629	550	739	35270	47410	119900	161100	7.7	.5
1982	2800	3536	0	0	40640	51330	79080	99880	6.9	0
1983	3800	4621	0	0	39200	47670	45860	55770	9.7	0
1984	3300	3869	40	47	33700	39500	37540	44020	9.8	.1
1985	3800	4326	10	11	23620	26890	27480	31280	16.1	0
1986	5500	6103	20	22	19110	21210	20180	22400	28.8	.1
1987	7000	7529	20	22	20110	21630	23200	24950	34.8	.1
1988	2700	2811	5	5	21780	22680	23740	24710	12.4	0
1989	4200	4200	5	5	19770	19770	27740	27740	21.2	0
Senegal										
1979	20	32	0	0	931	1497	535	860	2.1	0.0
1980	10	15	0	0	1052	1550	477	703	1.0	0
1981	20	27	0	0	1076	1446	500	672	1.9	0
1982	5	6	0	0	992	1253	548	692	.5	0
1983	5	6	0	0	1025	1246	618	752	.5	0
1984	0	0	0	0	981	1150	634	743	0	0
1985	5	6	0	0	826	940	562	640	.6	0
1986	5	6	0	0	961	1066	620	688	.5	0
1987	30	32	0	0	1024	1101	606	652	2.9	0
1988	10	10	0	0	1100	1145	748	779	.9	0
1989	5	5	0	0	1127	1127	797	797	.4	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Sierra Leone										
1979	0	0	0	0	316	508	200	322	0.0	0.0
1980	5	7	0	0	427	629	224	330	1.2	0
1981	0	0	0	0	328	441	150	202	0	0
1982	0	0	0	0	298	376	111	140	0	0
1983	5	6	0	0	160	195	119	145	3.1	0
1984	0	0	0	0	157	184	133	156	0	0
1985	0	0	0	0	151	172	130	148	0	0
1986	0	0	0	0	132	146	144	160	0	0
1987	10	11	0	0	137	147	130	140	7.3	0
1988	0	0	0	0	156	162	106	110	0	0
1989	0	0	0	0	183	183	138	138	0	0
Singapore										
1979	90	145	20	32	17640	28360	14240	22890	0.5	0.1
1980	40	59	0	0	24010	35370	19380	28550	.2	0
1981	90	121	40	54	27570	37060	20970	28180	.3	.2
1982	50	63	10	13	28170	35580	20790	26250	.2	0
1983	210	255	10	12	28160	34240	21830	26550	.7	0
1984	180	211	70	82	28670	33610	24070	28220	.6	.3
1985	120	137	40	46	26280	29920	22810	25970	.5	.2
1986	280	311	60	67	25510	28310	22490	24960	1.1	.3
1987	260	280	40	43	32560	35020	28690	30850	.8	.1
1988	320	333	50	52	43860	45660	39310	40920	.7	.1
1989	120	120	70	70	49670	49670	44660	44660	.2	.2
Somalia										
									c	
1979	130	209	0	0	246	395	112	180	52.8	0.0
1980	200	295	0	0	348	513	141	208	57.5	0
1981	60	81	0	0	512	688	152	204	11.7	0
1982	130	164	0	0	250	316	94	119	52.0	0
1983	70	85	0	0	346	421	107	130	20.2	0
1984	90	106	0	0	103	121	44	52	87.4	0
1985	60	68	0	0	112	128	91	104	53.6	0
1986	20	22	0	0	279	310	85	94	7.2	0
1987	20	22	0	0	132	142	104	112	15.2	0
1988	30	31	0	0	354	369	58	60	8.5	0
1989	30	30	0	0	NA	NA	NA	NA	NA	NA
South Africa										
1979	20	32	60	96	8989	14450	18400	29570	0.2	0.3
1980	0	0	0	0	19250	28360	25680	37840	0	0
1981	5	7	20	27	22620	30400	20860	28040	0	.1
1982	10	13	20	25	18570	23460	17800	22490	.1	.1
1983	20	24	0	0	15700	19100	18610	22630	.1	0
1984	10	12	10	12	16230	19030	17350	20340	.1	.1
1985	20	23	90	102	11470	13060	16520	18810	.2	.5
1986	20	22	10	11	12990	14410	18450	20480	.2	.1
1987	40	43	80	86	15330	16490	23540	25320	.3	.3
1988	10	10	60	62	18760	19530	21550	22430	.1	.3
1989	100	100	0	0	18450	18450	22220	22220	.5	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Soviet Union										
1979	1000	1608	16600	26690	57970	93180	64910	104400	1.7	25.6
1980	1300	1915	17000	25050	68470	100900	76440	112600	1.9	22.2
1981	1000	1344	17900	24060	73190	98390	79380	106700	1.4	22.5
1982	975	1231	18900	23870	77850	98320	87170	110100	1.3	21.7
1983	1500	1824	19400	23590	80440	97830	91650	111500	1.9	21.2
1984	1400	1641	19400	22740	80410	94270	91490	107300	1.7	21.2
1985	1200	1366	17100	19470	83310	94850	87200	99260	1.4	19.6
1986	1300	1443	21300	23640	88870	98620	97050	107700	1.5	21.9
1987	1300	1398	22600	24310	95970	103200	107700	115800	1.4	21.0
1988	1200	1249	21600	22490	107300	111700	110700	115300	1.1	19.5
1989	900	900	19600	19600	114700	114700	109300	109300	.8	17.9
Spain										
1979	210	338	60	96	25440	40890	18210	29270	0.8	0.3
1980	260	383	60	88	34080	50210	20720	30530	.8	.3
1981	400	538	100	134	32150	43220	20330	27330	1.2	.5
1982	390	493	575	726	31460	39740	20500	25890	1.2	2.8
1983	310	377	400	486	29190	35500	19730	24000	1.1	2.0
1984	200	234	1000	1172	28830	33800	23510	27560	.7	4.3
1985	120	137	525	598	29960	34110	24250	27600	.4	2.2
1986	330	366	170	189	35060	38900	27210	30190	.9	.6
1987	1000	1076	460	495	49110	52820	34190	36780	2.0	1.3
1988	1000	1041	280	291	60530	63010	40340	41990	1.7	.7
1989	750	750	130	130	71470	71470	44490	44490	1.0	.3
Sri Lanka										
1979	10	16	0	0	1466	2357	982	1579	0.7	0.0
1980	10	15	0	0	2037	3001	1067	1572	.5	0
1981	0	0	0	0	1849	2485	1094	1471	0	0
1982	0	0	0	0	1831	2313	1030	1301	0	0
1983	0	0	0	0	1820	2213	1066	1296	0	0
1984	20	23	0	0	1867	2189	1451	1701	1.1	0
1985	40	46	0	0	1843	2098	1293	1472	2.2	0
1986	10	11	0	0	1857	2061	1215	1348	.5	0
1987	50	54	0	0	2058	2213	1368	1471	2.4	0
1988	20	21	0	0	2262	2355	1479	1540	.9	0
1989	10	10	0	0	2188	2188	1545	1545	.5	0
Sudan										
1979	100	161	0	0	1109	1783	535	860	9.0	0.0
1980	100	147	0	0	1576	2322	543	800	6.3	0
1981	150	202	5	7	1553	2088	657	883	9.7	.8
1982	240	303	0	0	1282	1619	498	629	18.7	0
1983	100	122	0	0	1354	1647	624	759	7.4	0
1984	110	129	0	0	1147	1345	629	737	9.6	0
1985	40	46	0	0	771	878	374	426	5.2	0
1986	50	55	5	6	961	1066	333	370	5.2	1.5
1987	80	86	0	0	871	937	504	542	9.2	0
1988	90	94	0	0	1060	1103	509	530	8.5	0
1989	70	70	0	0	1200	1200	671	671	5.8	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Suriname										
1979	0	0	0	0	411	661	444	714	0.0	0.0
1980	5	7	0	0	504	743	514	757	1.0	0
1981	0	0	0	0	568	764	480	645	0	0
1982	10	13	0	0	514	649	429	542	1.9	0
1983	0	0	0	0	472	574	367	446	0	0
1984	20	23	0	0	346	406	356	417	5.8	0
1985	10	11	0	0	299	340	329	375	3.3	0
1986	10	11	0	0	244	271	241	267	4.1	0
1987	0	0	0	0	294	316	301	324	0	0
1988	0	0	0	0	365	380	425	442	0	0
1989	0	0	0	0	NA	NA	NA	NA	NA	NA
Swaziland										
1979	0	0	0	0	434	698	231	371	0.0	0.0
1980	0	0	0	0	538	793	369	544	0	0
1981	0	0	0	0	506	680	391	526	0	0
1982	0	0	0	0	440	556	325	410	0	0
1983	0	0	0	0	551	670	304	370	0	0
1984	0	0	0	0	447	524	237	278	0	0
1985	0	0	0	0	323	368	176	200	0	0
1986	0	0	0	0	352	391	267	296	0	0
1987	0	0	0	0	431	464	406	437	0	0
1988	0	0	0	0	516	538	453	472	0	0
1989	0	0	0	0	581	581	440	440	0	0
Sweden										
1979	70	113	120	193	28730	46190	27600	44370	0.2	0.4
1980	140	206	120	177	33440	49270	30910	45540	.4	.4
1981	110	148	170	229	28840	38770	28660	38520	.4	.6
1982	80	101	270	341	27580	34840	26810	33860	.3	1.0
1983	100	122	100	122	26100	31740	27450	33380	.4	.4
1984	100	117	160	188	26430	30980	29380	34440	.4	.5
1985	80	91	210	239	28550	32500	30460	34680	.3	.7
1986	80	89	250	277	32690	36280	37260	41350	.2	.7
1987	90	97	290	312	40710	43780	44510	47870	.2	.7
1988	210	219	450	468	45630	47500	49750	51790	.5	.9
1989	70	70	575	575	48970	48970	51550	51550	.1	1.1
Switzerland										
1979	260	418	500	804	29360	47190	26540	42660	0.9	1.9
1980	40	59	675	995	36340	53550	29630	43660	.1	2.3
1981	130	175	350	470	30700	41260	27030	36340	.4	1.3
1982	110	139	390	493	28680	36220	26020	32860	.4	1.5
1983	360	438	430	523	29190	35500	25590	31120	1.2	1.7
1984	575	674	575	674	29520	34610	25850	30310	1.9	2.2
1985	750	854	330	376	30700	34940	27430	31230	2.4	1.2
1986	550	610	290	322	41050	45550	37450	41560	1.3	.8
1987	260	280	400	430	50650	54480	45510	48950	.5	.9
1988	330	344	210	219	56360	58670	50700	52780	.6	.4
1989	300	300	60	60	58190	58190	51520	51520	.5	.1

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Syria										
1979	2100	3376	0	0	3329	5352	1644	2643	63.1	0.0
1980	3300	4862	10	15	4124	6076	2108	3106	80.0	.5
1981	2600	3495	0	0	5172	6952	2103	2827	50.3	0
1982	2600	3284	120	152	4028	5088	2026	2559	64.5	5.9
1983	3500	4256	30	36	4542	5523	1923	2339	77.1	1.6
1984	2200	2579	10	12	4116	4825	1853	2172	53.4	.5
1985	1600	1821	0	0	3967	4516	1640	1867	40.3	0
1986	1200	1332	20	22	2728	3027	1325	1470	44.0	1.5
1987	2000	2151	0	0	7112	7649	3871	4163	28.1	0
1988	1300	1353	0	0	2231	2322	1345	1400	58.3	0
1989	1000	1000	0	0	2097	2097	3006	3006	47.7	0
Tanzania										
1979	230	370	0	0	1104	1775	497	799	20.8	0.0
1980	110	162	0	0	1252	1845	511	753	8.8	0
1981	80	108	0	0	1213	1631	580	780	6.6	0
1982	70	88	0	0	1166	1473	450	568	6.0	0
1983	40	49	0	0	832	1012	364	443	4.8	0
1984	50	59	0	0	680	797	340	399	7.4	0
1985	50	57	0	0	1017	1158	255	290	4.9	0
1986	30	33	0	0	868	963	343	381	3.5	0
1987	110	118	0	0	923	993	288	310	11.9	0
1988	70	73	0	0	800	833	276	287	8.8	0
1989	40	40	0	0	1300	1300	NA	NA	3.1	NA
Thailand										
1979	140	225	0	0	7158	11510	5298	8517	2.0	0.0
1980	350	516	0	0	9214	13580	6505	9585	3.8	0
1981	330	444	0	0	9955	13380	7031	9451	3.3	0
1982	160	202	0	0	8549	10800	6945	8772	1.9	0
1983	310	377	0	0	10290	12510	6368	7744	3.0	0
1984	290	340	0	0	10400	12190	7413	8691	2.8	0
1985	150	171	0	0	9242	10520	7120	8105	1.6	0
1986	140	155	0	0	9178	10180	8794	9759	1.5	0
1987	390	419	0	0	12920	13900	11650	12530	3.0	0
1988	525	547	0	0	20280	21120	15830	16480	2.6	0
1989	240	240	0	0	25090	25090	20060	20060	1.0	0
Togo										
1979	5	8	0	0	510	820	219	352	1.0	0.0
1980	5	7	0	0	551	812	338	498	.9	0
1981	40	54	0	0	434	583	208	280	9.2	0
1982	5	6	0	0	393	496	177	224	1.3	0
1983	0	0	0	0	283	344	163	198	0	0
1984	0	0	0	0	271	318	192	225	0	0
1985	0	0	0	0	288	328	190	216	0	0
1986	10	11	0	0	312	346	204	226	3.2	0
1987	0	0	0	0	424	456	244	262	0	0
1988	0	0	0	0	487	507	242	252	0	0
1989	5	5	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Trinidad and Tobago										
1979	0	0	0	0	2084	3350	2608	4193	0.0	0.0
1980	20	29	0	0	3161	4658	3955	5827	.6	0
1981	0	0	0	0	3089	4152	3761	5056	0	0
1982	0	0	0	0	3492	4411	3079	3889	0	0
1983	0	0	0	0	2505	3046	2384	2899	0	0
1984	0	0	0	0	1898	2225	2156	2528	0	0
1985	0	0	0	0	1586	1805	2196	2500	0	0
1986	0	0	0	0	1345	1493	1376	1527	0	0
1987	0	0	0	0	1261	1356	1460	1570	0	0
1988	0	0	0	0	1123	1169	1391	1448	0	0
1989	0	0	0	0	1217	1217	1558	1558	0	0
Tunisia										
1979	90	145	0	0	2849	4580	1791	2879	3.2	0.0
1980	140	206	0	0	3540	5216	2198	3239	4.0	0
1981	60	81	0	0	3791	5096	2500	3361	1.6	0
1982	60	76	0	0	3420	4320	1986	2508	1.8	0
1983	40	49	0	0	3107	3778	1850	2250	1.3	0
1984	130	152	0	0	3174	3721	1794	2103	4.1	0
1985	300	342	0	0	2757	3139	1738	1979	10.9	0
1986	90	100	0	0	2890	3207	1759	1952	3.1	0
1987	50	54	0	0	3039	3269	2139	2301	1.6	0
1988	20	21	0	0	3689	3840	2395	2493	.5	0
1989	20	20	0	0	4374	4374	2930	2930	.5	0
Turkey										
1979	180	289	10	16	5069	8149	2261	3635	3.6	0.4
1980	310	457	10	15	7815	11510	2910	4288	4.0	.3
1981	370	497	10	13	8864	11920	4703	6322	4.2	.2
1982	470	594	20	25	8794	11110	5746	7257	5.3	.3
1983	525	638	90	109	9179	11160	5728	6966	5.7	1.6
1984	500	586	160	188	10660	12500	7134	8364	4.7	2.2
1985	450	512	120	137	11270	12840	7958	9059	4.0	1.5
1986	625	694	0	0	11020	12230	7466	8285	5.7	0
1987	950	1022	10	11	14160	15230	10190	10960	6.7	.1
1988	975	1015	10	10	14330	14920	11660	12140	6.8	.1
1989	1100	1100	0	0	15760	15760	11630	11630	7.0	0
Uganda										
1979	20	32	0	0	197	317	436	701	10.2	0.0
1980	10	15	0	0	293	432	345	508	3.4	0
1981	40	54	0	0	220	296	243	327	18.2	0
1982	60	76	0	0	319	403	349	441	18.8	0
1983	30	36	0	0	325	395	372	452	9.2	0
1984	10	12	0	0	306	359	399	468	3.3	0
1985	10	11	0	0	298	339	387	441	3.4	0
1986	20	22	0	0	307	341	436	484	6.5	0
1987	60	65	0	0	848	912	319	343	7.1	0
1988	90	94	0	0	887	923	274	285	10.1	0
1989	20	20	0	0	652	652	273	273	3.1	0

TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
United Arab Emirates										
1979	150	241	0	0	6966	11200	13650	21950	2.2	0.0
1980	170	250	0	0	8746	12890	20680	30460	1.9	0
1981	240	323	0	0	9646	12970	20350	27350	2.5	0
1982	50	63	0	0	9440	11920	16490	20830	.5	0
1983	40	49	10	12	8294	10090	14670	17840	.5	.1
1984	190	223	5	6	6936	8132	14190	16640	2.7	0
1985	190	216	0	0	6549	7455	14040	15990	2.9	0
1986	150	166	0	0	6422	7127	15840	17570	2.3	0
1987	230	247	0	0	7226	7772	12000	12910	3.2	0
1988	60	62	0	0	8522	8871	10600	11030	.7	0
1989	850	850	5	5	10010	10010	NA	NA	8.5	NA
United Kingdom										
1979	280	450	1100	1768	99600	160100	86400	138900	0.3	1.3
1980	350	516	2000	2947	115500	170200	110100	162300	.3	1.8
1981	480	645	2800	3764	102700	138100	102200	137400	.5	2.7
1982	490	619	3300	4168	99650	125900	96980	122500	.5	3.4
1983	650	790	1900	2311	100100	121700	91650	111500	.6	2.1
1984	850	997	2100	2462	104700	122800	93880	110100	.8	2.2
1985	675	768	1500	1708	109000	124000	101300	115300	.6	1.5
1986	675	749	3700	4106	126300	140200	107200	119000	.5	3.5
1987	550	592	4700	5055	154400	166100	131300	141200	.4	3.6
1988	650	677	1600	1666	189300	197100	145200	151100	.3	1.1
1989	650	650	3000	3000	197700	197700	152300	152300	.3	2.0
United States										
1979	180	289	5900	9485	222200	357200	186400	299600	0.1	3.2
1980	360	530	6500	9577	257000	378600	225600	332400	.1	2.9
1981	800	1075	8600	11560	273400	367400	238700	320900	.3	3.6
1982	1200	1516	9300	11750	254900	321900	216400	273400	.3	4.3
1983	1100	1338	11600	14110	269900	328200	205600	250100	.2	5.6
1984	1600	1876	10600	12430	346400	406100	224000	262600	.5	4.7
1985	1800	2049	11100	12640	352500	401200	218800	249100	.5	5.1
1986	1900	2108	9200	10210	382300	424200	227200	252100	.5	4.1
1987	2200	2366	14300	15380	424400	456500	254100	273300	.5	5.6
1988	2500	2602	14800	15410	459500	478400	322400	335600	.5	4.6
1989	1600	1600	11200	11200	492900	492900	364000	364000	.3	3.1
Upper Volta (see Burkina Faso)										
Uruguay										
1979	5	8	0	0	1206	1939	788	1267	0.4	0.0
1980	40	59	0	0	1680	2475	1059	1560	2.4	0
1981	60	81	0	0	1641	2206	1215	1633	3.7	0
1982	20	25	0	0	1110	1402	1023	1292	1.8	0
1983	10	12	0	0	788	958	1045	1271	1.3	0
1984	0	0	0	0	777	911	934	1095	0	0
1985	0	0	0	0	708	806	909	1035	0	0
1986	0	0	0	0	870	965	1088	1207	0	0
1987	0	0	0	0	1142	1228	1189	1279	0	0
1988	5	5	0	0	1157	1204	1405	1463	.4	0
1989	20	20	0	0	1174	1174	1500	1500	1.7	0

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars			
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	%	%
Venezuela										
1979	40	64	0	0	10670	17150	14320	23020	0.4	0.0
1980	130	192	0	0	11830	17430	19220	28320	1.1	0
1981	290	390	0	0	13110	17620	20980	28200	2.2	0
1982	230	290	0	0	12940	16350	16500	20840	1.8	0
1983	140	170	0	0	8710	10590	15050	18300	1.6	0
1984	480	563	0	0	7594	8903	13460	15780	6.3	0
1985	525	598	0	0	8178	9310	12270	13970	6.4	0
1986	100	111	0	0	8504	9437	8660	9610	1.2	0
1987	100	108	0	0	9659	10390	10580	11380	1.0	0
1988	130	135	0	0	12730	13250	10240	10660	1.0	0
1989	80	80	0	0	7803	7803	13140	13140	1.0	0
Vietnam										
1979	3400	5466	0	0	1599	2571	587	944	212.6	0.0
1980	2300	3389	0	0	1296	1910	537	791	177.5	0
1981	1100	1479	0	0	1398	1879	467	628	78.7	0
1982	1400	1768	10	13	1438	1816	595	752	97.4	1.7
1983	1500	1824	0	0	1550	1885	652	793	96.8	0
1984	1600	1876	0	0	1823	2137	763	895	87.8	0
1985	1500	1708	20	23	NA	NA	NA	NA	NA	NA
1986	2100	2330	0	0	1590	1764	785	871	132.1	0
1987	1900	2044	110	118	2190	2355	880	946	86.8	12.5
1988	1500	1561	80	83	2500	2602	1100	1145	60.0	7.3
1989	1300	1300	0	0	NA	NA	NA	NA	NA	NA
Yemen, North (Sanaa)										
1979	480	772	0	0	1492	2398	14	23	32.2	0.0
1980	575	847	0	0	1853	2730	23	34	31.0	0
1981	1000	1344	20	27	1758	2363	47	63	56.9	42.6
1982	420	530	0	0	1521	1921	39	49	27.6	0
1983	490	596	0	0	1593	1937	27	33	30.8	0
1984	80	94	0	0	1557	1825	16	19	5.1	0
1985	230	262	0	0	1300	1480	13	15	17.7	0
1986	280	311	0	0	1157	1284	8	9	24.2	0
1987	400	430	0	0	883	950	48	52	45.3	0
1988	430	448	0	0	1384	1441	NA	NA	31.1	NA
1989	420	420	0	0	NA	NA	NA	NA	NA	NA
Yemen, South (Aden)										
1979	500	804	0	0	926	1488	466	748	54.0	0.0
1980	700	1031	0	0	1528	2251	777	1145	45.8	0
1981	500	672	0	0	1420	1909	607	816	35.2	0
1982	250	316	0	0	1599	2020	795	1004	15.6	0
1983	775	942	0	0	1483	1804	674	819	52.3	0
1984	330	387	0	0	1543	1809	645	757	21.4	0
1985	390	444	0	0	1448	1648	579	659	26.9	0
1986	110	122	0	0	483	536	290	322	22.8	0
1987	300	323	0	0	497	535	54	58	60.4	0
1988	380	396	0	0	598	623	82	86	63.5	0
1989	230	230	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

YEAR	ARMS IMPORTS ^a		ARMS EXPORTS ^a		TOTAL IMPORTS ^b		TOTAL EXPORTS ^b		ARMS ^c IMPORTS TOTAL IMPORTS	ARMS ^c EXPORTS TOTAL EXPORTS
	Million dollars		Million dollars		Million dollars		Million dollars		%	%
	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989	Current	Constant 1989		
Yugoslavia										
1979	120	193	170	273	12860	20680	6491	10430	0.9	2.6
1980	250	368	260	383	15080	22210	8978	13230	1.7	2.9
1981	90	121	330	444	15730	21140	10940	14710	.6	3.0
1982	260	328	360	455	13450	16990	10250	12940	1.9	3.5
1983	250	304	380	462	12150	14780	9914	12060	2.1	3.8
1984	100	117	650	762	12000	14060	10250	12020	.8	6.3
1985	30	34	420	478	12210	13900	10700	12180	.2	3.9
1986	30	33	360	399	11750	13040	10350	11490	.3	3.5
1987	625	672	320	344	12630	13590	11440	12310	4.9	2.8
1988	40	42	230	239	13170	13710	12660	13180	.3	1.8
1989	120	120	150	150	14830	14830	13460	13460	.8	1.1
Zaire										
1979	30	48	0	0	597	960	1497	2407	5.0	0.0
1980	50	74	0	0	835	1230	1632	2405	6.0	0
1981	50	67	0	0	668	898	579	778	7.5	0
1982	40	51	0	0	480	606	400	505	8.3	0
1983	30	36	0	0	470	572	1131	1375	6.4	0
1984	20	23	0	0	676	793	1003	1176	3.0	0
1985	30	34	0	0	793	903	950	1081	3.8	0
1986	30	33	0	0	871	967	1093	1213	3.4	0
1987	50	54	0	0	764	822	983	1057	6.5	0
1988	40	42	0	0	765	796	1121	1167	5.2	0
1989	0	0	0	0	849	849	1254	1254	0	0
Zambia										
1979	30	48	0	0	905	1455	1373	2207	3.3	0.0
1980	210	309	0	0	1339	1973	1298	1913	15.7	0
1981	60	81	0	0	1261	1695	1079	1450	4.8	0
1982	40	51	0	0	1201	1517	1024	1293	3.3	0
1983	0	0	0	0	851	1035	836	1017	0	0
1984	10	12	0	0	730	856	652	764	1.4	0
1985	10	11	0	0	654	745	784	893	1.5	0
1986	5	6	0	0	648	719	517	574	.8	0
1987	5	5	0	0	816	878	873	939	.6	0
1988	0	0	0	0	835	869	1179	1227	0	0
1989	60	60	0	0	928	928	1334	1334	6.5	0
Zimbabwe										
1979	20	32	0	0	929	1493	1053	1693	2.2	0.0
1980	60	88	0	0	1448	2134	1415	2085	4.1	0
1981	70	94	0	0	1696	2280	1268	1704	4.1	0
1982	90	114	0	0	1639	2070	1276	1612	5.5	0
1983	20	24	0	0	1205	1465	1135	1380	1.7	0
1984	70	82	0	0	1098	1287	1154	1353	6.4	0
1985	0	0	0	0	1031	1174	959	1092	0	0
1986	110	122	0	0	1132	1256	1054	1170	9.7	0
1987	80	86	0	0	1209	1300	1427	1535	6.6	0
1988	0	0	0	0	1100	1145	1600	1666	0	0
1989	10	10	0	0	NA	NA	NA	NA	NA	NA

**TABLE II. Arms Transfer Deliveries and Total Trade, 1979-1989
By Region, Organization, and Country — continued**

0 Nil or negligible (\$2.5 million or less). NA Not available.

- a To avoid the appearance of excessive accuracy, arms transfer data have been independently rounded, with greater severity for large numbers. Because of this rounding and the fact that they are obtained from different sources, world arms exports do not equal world arms imports.
- b Total imports and exports usually are as reported by individual countries and the extent to which arms transfers are included is often uncertain. Imports are reported "cif" (including cost of shipping, insurance, and freight) and exports are reported "fob" (excluding these costs). For these reasons and because of divergent sources, world totals for imports and exports are not equal.
- c Because some countries exclude arms imports or exports from their trade statistics and their "total" imports and exports are therefore understated and because arms transfers may be estimated independently of trade data, the resulting ratios of arms to total imports or exports may be overstated and may even exceed 100 percent.
- d In order to reduce distortions in grouped data trends caused by data gaps for individual countries and years (shown as "NA"), the totals for the world, regions, and organizations include rough approximations for the gaps.
- e Includes transfers to NATO agencies as such, which are not attributable to individual recipient countries.
- f The estimated dollar values of the Soviet Union's arms exports in this and the previous two editions of this report are revised upward substantially from those in previous editions. See Statistical Notes, Arms Transfers, for further discussion.
- g Includes some equipment purchased by the U.S. Army Corps of Engineers from indeterminable supplier countries for use in construction projects in Saudi Arabia and recorded in U.S. accounts as U.S. imports.
- h The data series for US arms imports is here substantially revised upward from previous editions. (See Statistical Notes, Arms Transfers.)

TABLE III. Arms Transfer Deliveries, Cumulative 1985-1989
By Major Supplier and Recipient Country
(In Millions of Current Dollars)

RECIPIENT \ SUPPLIER	TOTAL ^a	SOVIET UNION ^b	UNITED STATES	FRANCE	UNITED KINGDOM	CHINA	WEST GERMANY	OTHER WARSAW PACT	OTHER EUROPE	MIDDLE EAST	OTHER EAST ASIA	LATIN AMERICA	OTHERS
WORLD TOTALS	256585	102465	60480 ^c	18075	14095	8360	6190	17975	14000	4505	3610	2920	3910
DEVELOPED (*)	61245	12840	25250 ^c	1955	3560	10	2700	7620	2620	1465	320	60	2845
DEVELOPING	195340	89625	35230	16120	10535	8350	3490	10355	11380	3040	3290	2860	1065
NATO	34090	90	18925 ^c	2805	3160	10	2520	25	2225	1145	310	60	2815
WARSAW PACT	23665	15500	0	30	0	0	20	8075	30	0	10	0	0
OPEC (#)	70235	19130	6375	10450	8290	6940	380	6020	6735	1000	2390	2025	500
AFRICA	24390	17005	990	935	300	315	185	2050	1460	380	285	235	250
Algeria [#]	3260	2700	50	20	40	0	0	430	0	0	0	0	20
Angola	6000	5500	0	80	0	0	0	150	110	0	0	150	10
Benin	20	20	0	0	0	0	0	0	0	0	0	0	0
Botswana	45	0	30	5	0	0	0	0	10	0	0	0	0
Burkina Faso	90	20	0	0	0	5	0	10	20	0	5	0	30
Burundi	40	40	0	0	0	0	0	0	0	0	0	0	0
Cameroon	40	0	10	10	5	0	0	0	5	0	0	0	10
Cape Verde	30	30	0	0	0	0	0	0	0	0	0	0	0
Central African Rep.	0	0	0	0	0	0	0	0	0	0	0	0	0
Chad	210	0	40	140	0	0	0	0	0	30	0	0	0
Congo	90	90	0	0	0	0	0	0	0	0	0	0	0
Equatorial Guinea	10	10	0	0	0	0	0	0	0	0	0	0	0
Ethiopia	3805	3600	0	0	0	20	0	60	10	0	110	0	5
Gabon [#]	145	0	5	140	0	0	0	0	0	0	0	0	0
Gambia, The	30	0	0	20	0	10	0	0	0	0	0	0	0
Ghana	75	5	0	0	0	0	0	0	40	0	0	0	30
Guinea	230	220	5	0	0	0	0	5	0	0	0	0	0
Guinea-Bissau	80	80	0	0	0	0	0	0	0	0	0	0	0
Ivory Coast	30	0	0	30	0	0	0	0	0	0	0	0	0
Kenya	180	0	30	0	120	0	0	0	30	0	0	0	0
Lesotho	0	0	0	0	0	0	0	0	0	0	0	0	0
Liberia	35	0	20	0	0	0	0	10	0	5	0	0	0
Libya [#]	5080	3200	0	0	0	30	10	1200	550	0	70	20	0
Madagascar	120	120	0	0	0	0	0	0	0	0	0	0	0
Malawi	20	0	0	10	10	0	0	0	0	0	0	0	0
Mali	125	120	0	0	0	5	0	0	0	0	0	0	0
Mauritania	40	0	0	5	0	0	0	0	0	30	0	0	5
Mauritius	5	5	0	0	0	0	0	0	0	0	0	0	0
Morocco	770	0	240	150	0	20	0	20	330	0	10	0	0
Mozambique	850	825	0	5	5	0	0	0	5	0	0	0	10
Niger	30	0	10	5	0	0	10	0	0	5	0	0	0
Nigeria [#]	705	30	50	110	120	5	130	80	180	0	0	0	0
Rwanda	20	0	0	0	0	20	0	0	0	0	0	0	0
Sao Tome & Principe	20	20	0	0	0	0	0	0	0	0	0	0	0
Senegal	55	0	10	10	0	0	0	0	30	0	5	0	0
Sierra Leone	10	0	0	0	0	10	0	0	0	0	0	0	0
Somalia	160	0	50	10	0	5	0	10	20	10	5	0	50
South Africa [*]	185	0	5	0	0	0	30	0	0	150	0	0	0
Sudan	330	0	100	0	0	50	0	20	20	70	0	0	70
Tanzania	290	270	0	0	0	10	0	0	0	0	10	0	0

**TABLE III. Arms Transfer Deliveries, Cumulative 1985-1989
By Major Supplier and Recipient Country — continued**

(In Millions of Current Dollars)

RECIPIENT \ SUPPLIER	TOTAL ^a	SOVIET UNION ^b	UNITED STATES	FRANCE	UNITED KINGDOM	CHINA	WEST GERMANY	OTHER WARSAW PACT	OTHER EUROPE	MIDDLE EAST	OTHER EAST ASIA	LATIN AMERICA	OTHERS
Togo	10	0	0	5	0	0	0	0	0	0	0	5	0
Tunisia	465	0	300	160	0	0	5	0	0	0	0	0	0
Uganda	195	40	0	0	0	5	0	20	30	20	70	0	10
Zaire	170	0	30	20	0	10	0	20	40	50	0	0	0
Zambia	80	60	5	0	0	0	0	5	0	10	0	0	0
Zimbabwe	210	0	0	0	0	110	0	10	30	0	0	60	0
EAST ASIA	31815	13385	13720	250	570	215	300	75	1835	950	370	15	130
Burma	140	0	10	10	10	0	60	0	20	0	20	0	10
Cambodia	1580	1400	0	0	0	0	0	0	0	0	180	0	0
China													
—Mainland	2205	500	210	120	260	X	40	40	40	925	20	0	50
—Taiwan	3885	0	3000	0	0	0	0	0	875	0	10	0	0
Indonesia [#]	770	0	200	0	80	5	0	0	430	0	20	5	30
Japan [*]	5490	0	5300	10	160	0	20	0	0	0	0	0	0
Korea, North	2770	2700	0	0	0	40	0	0	10	0	20	0	0
Korea, South	2645	0	2600	10	30	0	0	5	0	0	0	0	0
Laos	595	575	0	0	0	0	0	0	0	0	20	0	0
Malaysia	710	0	270	20	10	0	0	0	320	0	60	10	20
Mongolia	10	10	0	0	0	0	0	0	0	0	0	0	0
Philippines	250	0	230	0	0	0	10	0	0	0	10	0	0
Singapore	1105	0	900	80	0	0	50	0	60	5	0	0	10
Thailand	1430	0	1000	0	20	170	120	0	80	20	10	0	10
Vietnam	8230	8200	0	0	0	0	0	30	0	0	0	0	0
EUROPE	54000	16705	21250	1705	1110	0	2890	8095	1445	630	30	20	120
—NATO EUROPE	22410	90	17265	1505	460	0	1620	20	835	470	20	10	115
Belgium [*]	1460	0	1400	60	0	0	0	0	0	0	0	0	0
Denmark [*]	570	0	500	20	20	0	0	0	30	0	0	0	0
France [*]	980	0	900	X	10	0	0	0	60	0	0	10	0
Germany, West [*]	3530	0	2600	360	60	0	X	0	10	470	0	0	30
Greece	3210	90	1800	1000	0	0	210	20	60	0	20	0	10
Iceland [*]	5	0	0	5	0	0	0	0	0	0	0	0	0
Italy [*]	1220	0	1200	0	0	0	0	0	20	0	0	0	0
Luxembourg [*]	40	0	40	0	0	0	0	0	0	0	0	0	0
Netherlands [*]	2560	0	2200	0	10	0	330	0	20	0	0	0	0
Norway [*]	1275	0	675	10	0	0	60	0	525	0	0	0	5
Portugal [*]	390	0	250	30	0	0	20	0	40	0	0	0	50
Turkey	3970	0	2500	20	360	0	1000	0	70	0	0	0	20
United Kingdom [*]	3200	0	3200	0	X	0	0	0	0	0	0	0	0
—WARSAW PACT	23665	15500	0	30	0	0	20	8075	30	0	10	0	0
Bulgaria	3600	3100	0	0	0	0	20	460	20	0	0	0	0
Czechoslovakia [*]	3440	3300	0	0	0	0	0	140	0	0	0	0	0
Germany, East [*]	4425	3500	0	0	0	0	0	925	0	0	0	0	0
Hungary [*]	800	500	0	0	0	0	0	290	0	0	10	0	0
Poland [*]	4780	4500	0	0	0	0	0	280	0	0	0	0	0
Romania [*]	710	600	0	30	0	0	0	80	0	0	0	0	0
Soviet Union [*]	5910	X	0	0	0	0	0	5900	10	0	0	0	0

**TABLE III. Arms Transfer Deliveries, Cumulative 1985-1989
By Major Supplier and Recipient Country — continued**

(In Millions of Current Dollars)

RECIPIENT \ SUPPLIER	TOTAL ^a	SOVIET UNION ^b	UNITED STATES	FRANCE	UNITED KINGDOM	CHINA	WEST GERMANY	OTHER WARSAW PACT	OTHER EUROPE	MIDDLE EAST	OTHER EAST ASIA	LATIN AMERICA	OTHERS
—OTHER EUROPE	7925	1115	3985	170	650	0	1250	0	580	160	0	10	5
Albania	0	0	0	0	0	0	0	0	0	0	0	0	0
Austria *	240	0	70	10	0	0	0	0	160	0	0	0	0
Finland *	650	440	50	20	40	0	0	0	100	0	0	0	0
Ireland *	90	0	40	20	20	0	0	0	10	0	0	0	0
Malta	5	0	5	0	0	0	0	0	0	0	0	0	0
Spain	3335	0	2800	70	210	0	10	0	230	0	0	10	5
Sweden *	540	0	420	20	30	0	40	0	30	0	0	0	0
Switzerland *	2210	0	450	30	350	0	1200	0	20	160	0	0	0
Yugoslavia	855	675	150	0	0	0	0	0	30	0	0	0	0
LATIN AMERICA	16905	9730	2065	830	150	0	680	1480	660	820	185	280	25
Argentina	730	0	70	30	0	0	370	0	80	140	0	40	0
Barbados	25	0	20	0	5	0	0	0	0	0	0	0	0
Bolivia	35	0	10	10	0	0	0	0	10	0	0	5	0
Brazil	845	0	300	200	30	0	200	0	70	40	5	0	0
Chile	485	0	10	60	30	0	10	0	40	310	10	5	10
Colombia	290	0	80	0	20	0	5	0	40	140	0	5	0
Costa Rica	20	0	20	0	0	0	0	0	0	0	0	0	0
Cuba	8690	7300	0	0	0	0	0	1300	40	0	50	0	0
Dominican Republic	20	0	10	10	0	0	0	0	0	0	0	0	0
Ecuador #	315	0	60	70	60	0	0	5	80	30	0	0	10
El Salvador	345	0	340	0	0	0	0	0	0	0	0	5	0
Guatemala	65	0	10	0	0	0	0	0	20	10	5	20	0
Guyana	10	10	0	0	0	0	0	0	0	0	0	0	0
Haiti	15	0	0	0	0	0	0	0	10	0	0	5	0
Honduras	220	0	200	0	0	0	0	0	10	0	0	10	0
Jamaica	20	0	20	0	0	0	0	0	0	0	0	0	0
Mexico	440	0	330	20	5	0	5	0	50	30	0	0	0
Nicaragua	2390	2200	0	0	0	0	0	170	5	0	10	5	0
Panama	45	0	20	10	0	0	0	0	5	10	0	0	0
Paraguay	75	0	20	0	0	0	0	0	0	0	5	50	0
Peru	855	220	40	340	0	0	30	5	90	30	40	60	0
Suriname	20	0	0	0	0	0	0	0	5	0	0	10	5
Trinidad & Tobago	0	0	0	0	0	0	0	0	0	0	0	0	0
Uruguay	30	0	5	20	0	0	0	0	5	0	0	0	0
Venezuela #	920	0	500	60	0	0	60	0	100	80	60	60	0
MIDDLE EAST	84535	24075	15350	11045	8405	7100	645	5700	6125	1000	2275	2310	505
Bahrain	515	0	260	50	5	0	200	0	0	0	0	0	0
Cyprus	170	0	0	140	0	0	0	0	20	0	0	10	0
Egypt	5800	575	2900	675	170	190	40	320	575	0	10	340	5
Iran #	10250	0	10	75 ^d	100 ^d	2800	50 ^d	1400	3345	40	2000	210	220
Iraq #	22750	13000	0	1700	20	1600	90	2900	1500	420	20	1300	200
Israel	6100	0	6100	0	0	0	0	0	0	0	0	0	0
Jordan	2070	1200	460	110	40	0	10	60	100	50	0	20	20
Kuwait #	1345	180	150	450	110	0	0	5	20	430	0	0	0
Lebanon	70	0	70	0	0	0	0	0	0	0	0	0	0
Oman	445	0	30	0	200	0	210	0	5	0	0	0	0
Qatar #	160	0	10	100	20	0	0	0	0	0	0	30	0

**TABLE III. Arms Transfer Deliveries, Cumulative 1985-1989
By Major Supplier and Recipient Country — continued**

(In Millions of Current Dollars)

SUPPLIER RECIPIENT	TOTAL ^a	SOVIET UNION ^b	UNITED STATES	FRANCE	UNITED KINGDOM	CHINA	WEST GERMANY	OTHER WARSAW PACT	OTHER EUROPE	MIDDLE EAST	OTHER EAST ASIA	LATIN AMERICA	OTHERS
Saudi Arabia [#]	23040 ^e	0	5000	7000	7700	2500	40	0	250	0	140	390	20
Syria	7160	6100	0	20	0	10	0	975	30	20	5	0	0
United Arab Emirates [#]	1495	20	340	725	40	0	0	0	280	0	80	10	0
Yemen, North (Sanaa)	1765	1600	20	0	0	0	5	40	0	40	20	0	40
Yemen, South (Aden)	1400	1400	0	0	0	0	0	0	0	0	0	0	0
NORTH AMERICA	10755	0	735	1300	2700	10	900	5	1390	675	290	50	2700
Canada *	825	0	735	0	0	0	0	0	90	0	0	0	0
United States *	9930	0	X	1300	2700	10	900	5	1300	675	290	50	2700
OCEANIA	4955	0	4290	30	160	0	100	0	195	20	20	0	140
Australia *	4550	0	4100	30	130	0	80	0	190	10	0	0	10
Fiji	0	0	0	0	0	0	0	0	0	0	0	0	0
New Zealand *	315	0	190	0	30	0	20	0	5	0	20	0	50
Papua New Guinea	90	0	0	0	0	0	0	0	0	10	0	0	80
SOUTH ASIA	28305	21565	1155	1980	700	720	490	570	890	30	155	10	40
Afghanistan	9730	9700	0	0	0	0	0	30	0	0	0	0	0
Bangladesh	345	60	10	0	0	250	0	0	10	0	5	0	10
India	16080	11800	210	1900	650	0	470	480	480	0	80	0	10
Nepal	20	0	0	0	0	20	0	0	0	0	0	0	0
Pakistan	2000	5	925	80	40	410	20	60	390	0	50	10	10
Sri Lanka	130	0	10	0	10	40	0	0	10	30	20	0	10

0 Nil or negligible (\$2.5 million or less).

OPEC country.

* Developed country (all others are "developing").

X Not applicable.

NOTE: To avoid the appearance of excessive accuracy, the entries in this table are independently rounded, with greater severity for larger numbers. Totals here are the sum of the rounded components.

^a Comparable totals in tables III and IV do not agree precisely due to the fact that rounding was done at different stages of aggregation.

^b Estimates of the Soviet Union's arms exports in value terms in this and the previous three editions are revised and substantially larger than those shown in earlier editions. See Statistical Notes, Arms Transfers.

^c Includes transfers to NATO agencies as such and not attributed to any recipient country.

^d Additional transfers of uncertain magnitude have occurred in these cases. A rough estimate of the total value of these transfers is included under the "Other Europe" category of suppliers to Iran.

^e Includes some purchases of equipment by the U.S. Army Corps of Engineers from indeterminable supplier countries for use in construction projects in Saudi Arabia and recorded in U.S. accounts as imports to the U.S.

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czechoslovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing
DELIVERIES													
World							C						
1979	31.8	16.6	1.0	0.8	0.1	0.3	5.9	1.7	1.1	1.2	1.2	1.0	0.9
1980	35.9	17.0	1.0	1.2	.3	.5	6.5	2.8	2.0	1.4	1.5	.9	.7
1981	44.5	17.9	.8	1.8	.4	.8	8.6	4.3	2.8	1.6	2.5	1.1	1.8
1982	49.0	18.9	.9	2.4	1.3	1.0	9.3	4.1	3.3	1.0	2.5	.9	3.5
1983	49.8	19.4	.9	2.3	1.6	.6	11.6	4.0	1.9	2.1	2.4	1.4	1.7
1984	54.6	19.4	1.1	2.4	2.1	1.2	10.6	4.4	2.1	3.0	3.0	1.6	3.5
1985	48.7	17.1	1.6	3.1	.7	.8	11.1	5.4	1.5	1.4	2.7	1.1	2.3
1986	50.8	21.3	1.4	2.7	1.2	.6	9.2	4.9	3.7	1.1	1.8	1.1	1.7
1987	58.3	22.6	1.3	2.6	1.8	.8	14.3	3.0	4.7	1.5	2.1	1.0	2.5
1988	53.3	21.6	.9	2.4	2.6	.8	14.8	2.3	1.6	1.2	2.0	1.0	2.1
1989	45.3	19.6	.9	1.0	2.0	.6	11.2	2.7	3.0	1.2	.7	.9	1.7
Total	521.9	211.4	11.7	22.7	14.0	8.0	113.1	39.6	27.7	16.7	22.6	12.0	22.4
Developed							C						
1979	5.1	1.0	0.7	0.4	0.0	—	1.9	—	0.3	0.3	0.1	0.2	—
1980	7.9	2.4	.6	.8	0	0	2.9	—	.3	.3	.3	.2	—
1981	9.5	2.8	.6	.6	0	0	4.1	.1	.5	.2	.5	.1	.1
1982	9.1	2.5	.5	.7	—	0	3.5	.2	.6	.2	.7	.1	.1
1983	10.6	2.1	.4	1.1	0	—	4.7	.1	.5	.3	.6	.5	.1
1984	11.7	2.5	.5	.9	0	—	5.1	.2	.6	.3	.8	.5	.2
1985	12.4	2.8	.6	1.1	0	0	5.0	.4	.5	.7	.9	.2	.3
1986	12.7	3.7	.7	1.1	0	0	4.1	.6	.8	.6	.8	.2	.3
1987	11.7	2.4	.7	.9	0	0	4.5	.4	.7	.5	.8	.3	.4
1988	13.7	2.1	.6	1.0	0	—	6.6	.5	.9	.4	.9	.3	.4
1989	10.7	1.9	.6	.3	—	0	5.1	.2	.6	.5	.5	.4	.5
Total	115.1	26.2	6.6	9.0	—	0.1	47.3	2.7	6.4	4.3	6.9	3.3	2.4
Developing													
1979	26.7	15.6	0.2	0.4	0.1	0.3	4.0	1.6	0.9	0.9	1.1	0.7	0.8
1980	27.9	14.5	.3	.4	.3	.5	3.6	2.7	1.7	1.2	1.2	.7	.7
1981	35.0	15.1	.2	1.2	.4	.8	4.5	4.2	2.4	1.4	2.0	1.0	1.7
1982	39.8	16.4	.3	1.7	1.3	1.0	5.8	3.9	2.7	.8	1.8	.8	3.4
1983	39.2	17.3	.5	1.1	1.6	.6	6.9	3.9	1.3	1.7	1.9	.9	1.6
1984	42.9	17.0	.6	1.5	2.1	1.2	5.5	4.2	1.4	2.7	2.3 ^c	1.1	3.3
1985	36.2	14.4	1.0	1.9	.7	.8	6.1	5.0	1.0	.7	1.8	.8	2.0
1986	38.0	17.6	.7	1.6	1.2	.6	5.1	4.4	2.9	.5	1.1	.8	1.4
1987	46.6	20.2	.6	1.7	1.8	.8	9.8	2.7	4.0	1.0	1.3	.7	2.1
1988	39.6	19.5	.4	1.4	2.6	.8	8.1	1.8	.7	.8	1.2	.6	1.7
1989	34.5	17.7	.3	.7	1.9	.5	6.2	2.5	2.4	.6	.2	.4	1.2
Total	406.4	185.2	5.1	13.7	14.0	8.0	65.6	36.9	21.2	12.4	15.7	8.6	20.0

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

RECIPIENT \ SUPPLIER	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czechoslovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing
DELIVERIES - Continued													
Africa													
1979	6.1	4.0	0.1	0.2	—	0.1	0.2	0.4	0.1	0.3	0.5	0.1	0.1
1980	6.5	3.8	.1	.2	.1	.1	.1	.7	.2	.5	.6	—	.1
1981	7.8	4.5	.1	.4	—	.3	.2	.6	.2	.6	.7	.1	.2
1982	7.4	3.6	.2	.5	.4	.3	.2	.9	.2	.2	.3	.1	.6
1983	6.9	4.1	.3	.5	—	.2	.4	.4	.1	.1	.4	.2	.2
1984	7.7	4.9	.3	.3	—	.3	.4	.4	.3	.1	.4	—	.2
1985	5.3	3.2	.3	.2	—	.1	.3	.4	.2	.1	.4	.1	.1
1986	4.6	3.1	.3	.3	—	.2	.2	.3	—	.1	.1	—	.1
1987	5.6	3.9	.2	.2	.1	.1	.2	.2	—	—	.2	—	.5
1988	4.7	3.5	.3	.1	.1	.1	.2	.1	.1	—	.1	—	.2
1989	4.0	3.3	.2	.1	.1	—	.1	—	0	0	—	—	.2
Total	66.6	41.8	2.3	3.0	1.0	1.9	2.4	4.3	1.3	1.8	3.5	0.6	2.5
East Asia													
1979	5.6	3.8	0.0	—	—	—	1.1	—	0.1	—	0.1	0.2	0.1
1980	5.4	2.7	0	—	—	0	1.5	.1	.2	—	.2	.4	.1
1981	4.5	1.5	—	—	—	—	1.9	.1	.2	.2	.1	.4	.1
1982	4.7	1.9	0	—	.2	—	1.6	.1	—	—	.2	.3	.2
1983	4.7	1.8	0	.2	—	—	2.1	.1	.1	.1	.2	.1	.1
1984	5.3	2.0	0	.1	—	—	2.1	.1	.2	.2	.2	.1	.3
1985	5.9	2.3	0	0	—	—	2.5	.1	.1	.1	.4	.1	.3
1986	5.7	2.9	0	—	—	0	2.2	.1	.1	—	.1	—	.3
1987	7.5	3.0	0	—	—	.1	3.1	—	.2	.1	.6	—	.3
1988	7.5	2.8	0	—	.1	.1	3.4	—	.1	.1	.7	—	.1
1989	5.3	2.4	0	—	—	—	2.6	—	.1	.1	.1	—	—
Total	61.9	27.1	—	0.4	0.5	0.3	24.0	0.7	1.3	0.9	2.8	1.7	2.1
Europe, All													
1979	5.3	1.5	0.7	0.4	0.0	—	1.7	0.1	0.2	0.3	0.1	0.3	—
1980	7.8	2.9	.6	.8	0	0	2.4	.1	.1	.4	.2	.3	—
1981	8.7	3.3	.6	.6	0	0	2.9	.3	.2	.3	.3	.1	—
1982	8.8	3.1	.5	.8	—	—	2.9	.3	.2	.4	.3	.2	—
1983	10.0	3.0	.4	1.1	0	—	3.5	.2	.2	.7	.1	.6	.1
1984	9.8	3.2	.5	.9	0	—	3.7	.1	.3	.4	—	.5	.1
1985	10.1	3.6	.6	1.3	0	0	3.4	.1	.2	.5	.1	.2	.1
1986	11.2	4.8	.7	1.3	0	0	2.9	.2	.3	.6	.1	.1	.1
1987	11.0	3.6	.7	1.1	0	0	3.8	.3	.4	.7	.2	.2	.1
1988	11.0	2.5	.6	1.0	0	—	5.4	.5	.2	.5	.1	.2	.1
1989	10.8	2.3	.6	.3	0	0	5.6	.7	—	.6	.1	.3	.2
Total	104.4	33.7	6.6	9.6	—	0.1	38.2	2.9	2.4	5.4	1.6	3.0	1.0

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

RECIPIENT \ SUPPLIER	World ^a	COMMUNIST					NON-COMMUNIST							
		Soviet Union ^b	Czechoslovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing	
DELIVERIES - Continued														
—NATO Europe														
1979	2.1	0.0	0.0	0.0	0.0	0.0	1.3	—	0.2	0.3	0.1	0.2	—	
1980	2.8	0	0	0	0	0	2.2	—	—	.4	.1	.1	—	
1981	3.3	0	0	0	0	0	2.5	.1	—	.3	.2	.1	—	
1982	3.6	0	0	.1	0	0	2.6	.1	.1	.4	.2	.1	—	
1983	4.0	0	0	0	0	0	3.0	.1	.1	.7	.1	.1	—	
1984	3.7	0	0	0	0	0	3.2	—	.1	.3	—	.1	—	
1985	3.6	.1	—	0	0	0	2.9	.1	—	.2	.1	.1	.1	
1986	3.3	0	—	0	0	0	2.4	.1	.1	.4	.1	.1	—	
1987	4.1	0	—	0	0	0	2.8	.2	.3	.5	.1	.2	.1	
1988	5.2	0	0	0	0	0	4.3	.4	—	.2	—	.1	.1	
1989	6.3	0	0	0	0	0	4.8	.7	0	.3	—	.2	.2	
Total	41.9	0.1	—	0.1	0.0	0.0	31.9	1.8	1.0	4.0	1.0	1.4	0.6	
—Warsaw Pact														
1979	2.6	1.4	0.7	0.4	0.0	—	0.0	—	0.0	—	0.0	—	0.0	
1980	4.0	2.5	.6	.8	0	0	0	—	—	0	0	.1	0	
1981	4.5	3.2	.6	.6	0	0	0	—	.1	0	0	0	0	
1982	4.2	2.9	.5	.7	—	0	0	—	—	0	0	0	0	
1983	4.8	2.7	.4	1.1	0	—	0	—	0	0	0	.5	0	
1984	4.9	3.1	.5	.9	0	—	0	0	0	0	0	.3	—	
1985	5.4	3.5	.6	1.3	0	0	0	0	0	—	0	—	0	
1986	6.6	4.6	.7	1.3	0	0	0	—	0	0	0	0	0	
1987	4.6	2.8	.7	1.1	0	0	0	—	0	0	0	—	0	
1988	4.0	2.4	.6	1.0	0	—	0	0	0	0	0	—	0	
1989	3.2	2.2	.6	.3	0	0	0	0	0	0	0	0	0	
Total	48.7	31.4	6.6	9.5	—	0.1	0.0	0.1	0.1	—	0.0	0.9	—	
—Other Europe														
1979	0.7	0.1	0.0	0.0	0.0	0.0	0.4	0.1	—	—	0.1	0.1	0.0	
1980	1.0	.4	0	0	0	0	.2	—	—	—	.1	.2	—	
1981	.9	.1	0	0	0	0	.4	.2	.1	—	—	—	0	
1982	1.0	.2	0	0	0	0	.3	.2	.1	—	—	.1	—	
1983	1.2	.2	0	0	0	0	.6	.1	.1	0	—	—	.1	
1984	1.1	.1	0	0	0	0	.5	.1	.2	.1	—	—	.1	
1985	1.1	.1	0	0	0	0	.4	0	.2	.3	—	.1	.1	
1986	1.2	.2	0	0	0	0	.5	—	.2	.2	.1	—	.1	
1987	2.2	.8	0	0	0	0	1.0	—	.1	.2	.1	—	—	
1988	1.8	.1	0	0	0	0	1.1	.1	.1	.2	.1	.1	0	
1989	1.4	.1	0	0	0	0	.9	—	—	.3	—	.1	—	
Total	13.7	2.2	0.0	0.0	0.0	0.0	6.3	0.9	1.2	1.4	0.6	0.7	0.4	

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czecho-slovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing

DELIVERIES - Continued

Latin America

1979	2.2	0.8	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.1	0.2	0.1	0.4
1980	2.1	.7	0	—	0	—	.1	.6	.1	—	.2	.1	.2
1981	3.7	1.8	0	—	0	—	.1	.6	.1	.1	.4	.1	.3
1982	3.6	1.8	.1	—	0	—	.2	.3	.1	.1	.4	—	.7
1983	3.5	1.7	—	—	0	—	.2	.1	—	.9	.2	—	.3
1984	4.3	1.7	0	—	0	.1	.4	—	—	1.2	.3	.1	.4
1985	3.9	1.4	.3	1.0	0	—	.5	.1	—	.2	.1	0	.4
1986	3.1	2.1	—	.1	0	—	.3	.2	—	—	.1	—	.2
1987	3.8	2.3	0	—	0	—	.6	.4	—	—	.1	—	.2
1988	3.4	2.2	—	—	0	—	.4	.1	.1	.4	—	.1	.2
1989	2.6	1.7	0	—	0	—	.3	.1	—	—	—	—	.3
Total	36.0	18.1	0.4	1.2	0.0	0.3	3.2	2.7	0.7	3.2	2.0	0.6	3.6

Middle East

1979	10.5	5.5	0.1	0.2	—	0.1	2.3	0.6	0.5	0.3	0.2	0.3	0.3
1980	11.1	5.8	.2	.2	.1	.4	1.7	1.2	1.0	.4	.1	—	.2
1981	15.8	5.1	.1	.7	.3	.5	2.5	2.6	1.7	.3	.6	.3	1.1
1982	18.8	6.4	.1	1.0	.5	.7	3.7	2.2	1.1	.2	.8	.3	1.8
1983	20.4	7.3	.1	.4	1.4	.3	4.2	3.2	1.0	.2	.9	.3	1.0
1984	22.1	6.0	.2	1.0	1.9	.9	2.5	3.6	.6	.9	1.3	.8	2.4
1985	16.6	4.6	.3	.6	.6	.6	2.8	3.8	.4	.1	.9	.6	1.2
1986	18.0	5.3	.4	.9	1.1	.4	2.3	2.9	2.5	.2	.7	.7	.7
1987	21.8	6.0	.3	1.2	1.6	.5	5.4	1.5	3.3	.3	.2	.4	1.0
1988	15.6	4.9	—	1.2	2.2	.5	3.4	1.3	.3	—	.2	.2	1.2
1989	12.1	3.1	—	.6	1.6	.5	1.5	1.7	2.1	.1	—	.1	.7
Total	182.8	60.1	2.0	8.0	11.2	5.5	32.3	24.6	14.5	3.0	6.0	4.1	11.6

North America

1979	0.4	0.0	0.0	0.0	0.0	0.0	0.1	—	0.1	0.1	0.1	—	—
1980	.7	0	0	0	0	0	.3	—	.1	—	.2	—	—
1981	1.2	0	0	0	0	0	.4	.1	.2	.1	.4	—	—
1982	1.4	0	0	0	0	0	.2	.1	.4	.1	.6	—	.1
1983	1.4	0	0	0	0	0	.3	—	.3	.1	.6	—	—
1984	1.9	0	0	0	0	0	.3	.2	.3	.1	.8	.1	.1
1985	1.9	0	0	0	0	0	.1	.3	.3	.1	.8	.1	.2
1986	2.0	0	0	0	0	0	.1	.4	.4	.2	.7	.1	.2
1987	2.4	0	0	0	0	0	.1	.3	.6	.2	.8	.1	.3
1988	2.7	0	0	0	0	0	.2	.3	.8	.2	.9	.1	.2
1989	1.8	0	0	0	—	0	.2	—	.6	.2	.5	.1	.2
Total	17.9	0.0	0.0	0.0	—	0.0	2.4	1.7	4.1	1.5	6.3	0.6	1.3

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

RECIPIENT \ SUPPLIER	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czechoslovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing
DELIVERIES - Continued													
Oceania													
1979	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	—	0.0
1980	.3	0	0	0	0	0	.2	0	.1	—	—	—	0
1981	.6	0	0	0	0	0	.5	0	—	0	—	—	0
1982	.2	0	0	0	0	0	.2	0	—	—	0	0	0
1983	.5	0	0	0	0	0	.4	0	0	—	—	—	0
1984	.6	0	0	0	0	0	.5	—	—	—	0	—	0
1985	1.0	0	0	0	0	0	.9	—	—	—	—	—	—
1986	1.0	0	0	0	0	0	.8	—	.1	—	—	—	0
1987	.8	0	0	0	0	0	.7	0	—	—	—	.1	0
1988	1.4	0	0	0	0	0	1.3	0	—	—	0	.1	—
1989	.8	0	0	0	0	0	.6	0	—	—	—	.1	—
Total	7.4	0.0	0.0	0.0	0.0	0.0	6.3	—	0.5	0.2	0.1	0.4	—
South Asia													
1979	1.4	1.1	—	0.0	—	—	0.1	0.1	—	—	—	—	0.0
1980	1.9	1.1	—	0	.1	0	.1	.1	.2	.2	.1	—	0
1981	2.1	1.5	.1	0	.1	—	.1	.1	.1	—	0	.1	—
1982	4.1	2.0	—	—	.1	0	.1	.3	1.4	—	—	—	—
1983	2.3	1.6	—	—	.1	—	.3	—	.2	—	—	.1	—
1984	2.6	1.6	—	—	.1	0	.5	—	.2	—	.1	.1	—
1985	3.8	2.0	—	.1	—	0	.3	.7	.3	.1	—	—	—
1986	4.9	3.2	—	.2	.1	—	.2	.9	.1	—	.1	.1	—
1987	5.3	3.8	—	.1	.1	—	.2	.4	.1	.2	.1	.2	—
1988	6.6	5.7	—	—	.2	0	.2	0	—	—	.1	.2	.1
1989	7.9	6.8	—	—	.2	—	.3	0	.2	.1	—	.2	—
Total	42.7	30.5	0.3	0.5	1.3	0.1	2.2	2.7	2.8	0.8	0.4	0.9	0.2

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

RECIPIENT \ SUPPLIER	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czechoslovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing
AGREEMENTS													
World							^c						
1979	32.6	13.0	1.2	0.7	0.3	0.2	8.0	3.4	1.5	1.7	1.0	0.8	0.9
1980	51.8	18.4	.8	1.6	.5	.6	10.8	7.9	2.8	1.9	3.8	1.6	1.1
1981	48.8	17.0	1.3	2.7	3.0	1.9	7.5	1.9	1.7	2.3	2.9	2.5	4.1
1982	60.8	24.2	1.1	2.1	1.6	.3	14.9	6.7	1.9	2.0	2.8	1.1	2.0
1983	44.6	9.8	.8	2.5	.8	.9	15.4	1.8	1.2	3.0	2.1	1.4	4.9
1984	58.6	24.6	.8	1.9	.3	.6	15.2	7.0	1.5	1.1	2.4	.9	2.2
1985	61.7	21.4	1.6	3.3	1.4	.7	12.7	3.4	9.3	.4	3.2	2.0	2.1
1986	51.4	21.7	2.0	4.1	1.8	.5	8.6	2.3	1.6	1.5	1.8	2.9	2.7
1987	60.4	25.1	1.0	2.0	4.7	1.1	9.8	4.1	3.0	1.3	1.6	4.6	2.1
1988	54.8	16.6	.6	1.8	2.3	1.1	17.1	4.0	5.7	.9	1.7	1.0	1.9
1989	49.2	14.1	.7	.5	1.2	1.2	13.3	.9	4.2	7.3	1.3	1.4	3.2
Total	574.7	206.0	11.8	23.3	17.8	9.2	133.2	43.3	34.4	23.4	24.8	20.2	27.3
Developed							^c						
1979	6.3	1.1	0.7	0.4	0.0	0.0	2.8	—	0.2	0.6	0.1	0.2	0.1
1980	10.4	2.1	.6	.8	0	0	5.5	—	.7	.2	.2	.2	—
1981	10.4	2.8	.6	.6	0	0	3.8	.1	.2	.2	.4	1.5	.1
1982	11.1	2.6	.5	.7	—	—	5.0	.1	.5	.4	.6	.2	.3
1983	13.0	2.1	.4	1.1	0	0	5.6	.1	.3	2.4	.7	.2	—
1984	11.9	2.6	.5	1.1	0	0	5.3	.3	.5	.2	1.1	.2	.1
1985	15.1	3.8	.6	1.1	—	0	5.9	.7	.5	.2	.9	1.0	.4
1986	13.5	3.5	.6	1.1	0	0	4.2	.5	.5	.9	.7	1.1	.2
1987	17.4	2.2	.8	.9	0	—	4.3	.7	2.4	.5	1.1	3.8	.7
1988	13.5	2.0	.6	.9	0	0	6.0	.9	.9	.2	1.1	.4	.4
1989	15.3	2.6	.6	.2	—	0	3.7	.3	.8	4.3	.7	1.2	.8
Total	138.0	27.4	6.5	8.9	—	0.1	52.3	3.7	7.7	10.2	7.8	10.0	3.3
Developing													
1979	26.3	11.9	0.4	0.3	0.3	0.2	5.2	3.4	1.3	1.0	0.8	0.6	0.8
1980	41.4	16.2	.1	.8	.5	.6	5.3	7.8	2.2	1.7	3.6	1.4	1.1
1981	38.4	14.2	.7	2.1	3.0	1.9	3.7	1.8	1.4	2.0	2.5	1.0	4.0
1982	49.7	21.6	.6	1.4	1.6	.3	9.9	6.6	1.4	1.5	2.2	.9	1.7
1983	31.6	7.6	.3	1.4	.8	.9	9.7	1.7	.9	.6	1.5	1.1	4.8
1984	46.7	22.0	.3	.8	.3	.6	9.9	6.7	.9	.9	1.4	.6	2.1
1985	46.4	17.6	1.1	2.1	1.4	.7	6.8	2.7	8.8	.2	2.3	1.0	1.7
1986	37.9	18.2	1.4	3.0	1.8	.5	4.3	1.7	1.1	.6	1.1	1.8	2.5
1987	43.0	22.9	.2	1.1	4.7	1.1	5.5	3.4	.5	.8	.5	.8	1.4
1988	41.2	14.6	.1	.9	2.3	1.1	11.0	3.1	4.8	.7	.6	.6	1.5
1989	33.5	11.5	—	.3	1.2	1.2	9.5	.6	3.0	2.9	.6	.3	2.4
Total	435.9	178.5	5.3	14.4	17.8	9.1	80.7	39.7	26.3	13.1	17.0	10.2	23.9

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czechoslovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing
AGREEMENTS - Continued													
Africa													
1979	2.7	0.7	0.0	0.2	0.2	0.2	0.1	0.2	0.1	0.4	0.4	0.1	0.1
1980	12.2	9.4	—	.4	—	.4	.2	.7	.2	.1	.5	—	.1
1981	8.3	4.9	.4	.7	.3	.4	.1	.3	.2	.1	.1	.2	.5
1982	4.1	1.3	.3	.6	—	.1	.4	.2	.5	—	.4	—	.1
1983	4.5	2.1	.2	.3	—	.4	.3	.2	.1	.3	.5	—	.2
1984	4.1	2.4	.2	.1	.1	—	.3	.1	.1	—	.2	—	.5
1985	5.3	3.3	.1	.1	—	.1	.2	.5	.1	—	.5	.1	.2
1986	7.0	4.7	.9	.1	—	.2	.2	.1	—	0	.2	—	.6
1987	6.3	5.3	—	.1	.1	.1	.2	.3	—	—	—	—	.2
1988	5.3	4.0	—	.1	.1	.1	.2	—	.1	—	.1	.1	.3
1989	4.0	1.9	—	—	.3	.1	.1	.1	.1	—	.2	—	1.1
Total	63.9	40.1	2.2	2.7	1.2	2.1	2.4	2.7	1.6	1.1	3.1	0.7	4.0
East Asia													
1979	4.7	2.0	0.0	0.0	—	0.0	1.9	0.1	—	0.0	0.2	0.3	0.1
1980	5.9	2.7	0	—	—	0	1.9	.2	.2	0	.4	.5	.1
1981	5.5	1.5	—	—	0	—	1.8	—	.2	.5	1.0	.2	.2
1982	5.6	1.9	0	.1	.3	—	2.3	—	—	.2	.3	.3	.1
1983	5.8	1.8	0	.1	0	—	2.5	—	—	—	.1	—	1.2
1984	4.9	1.9	0	.1	—	0	2.1	.1	.4	.1	.1	.1	.1
1985	7.0	3.1	0	—	—	—	3.2	.1	.2	—	.2	.1	—
1986	5.6	2.5	0	—	—	—	2.5	—	.1	.3	.2	—	0
1987	7.8	3.6	0	—	.1	.2	2.9	.1	—	.6	.1	—	—
1988	6.9	2.7	0	0	.4	—	3.4	—	.2	0	.1	—	.1
1989	6.0	1.9	0	—	.3	—	2.6	—	.6	.6	—	—	—
Total	65.7	25.5	—	0.3	1.1	0.3	26.9	0.8	2.1	2.4	2.7	1.6	2.0
Europe													
1979	6.1	1.7	0.7	0.4	0.0	0.0	2.0	—	0.2	0.7	0.1	0.2	—
1980	10.2	2.6	.6	.8	0	0	4.5	—	.5	.7	.2	.2	—
1981	9.7	3.3	.6	.6	0	0	2.6	.1	—	.4	.3	1.7	.1
1982	8.5	3.0	.5	.8	—	—	2.3	—	.1	1.2	—	.2	.3
1983	15.1	3.0	.4	1.1	0	0	7.6	—	.2	2.4	.1	.2	—
1984	13.7	3.4	.5	1.1	0	0	7.5	.3	.2	.2	.3	.2	—
1985	14.2	4.6	.6	1.2	0	0	4.5	1.6	.1	.1	.4	.9	.3
1986	11.9	4.9	.7	1.3	0	0	2.9	.6	.4	.8	.1	.3	—
1987	10.5	3.0	.8	1.1	0	—	3.2	.4	.5	.4	.5	.4	.4
1988	9.8	2.4	.6	1.0	0	0	3.9	.6	.1	.5	.2	.3	.2
1989	10.7	3.0	.6	.2	0	0	3.6	.2	.3	1.7	.3	.3	.5
Total	120.5	34.9	6.6	9.5	—	0.1	44.6	3.8	2.7	9.0	2.6	4.8	1.8

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czecho-slovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing

AGREEMENTS - Continued

—NATO Europe

1979	2.7	0.0	0.0	0.0	0.0	0.0	1.7	—	0.1	0.6	0.1	0.1	—
1980	5.2	0	0	0	0	0	4.1	0	.1	.7	.2	.1	0
1981	3.2	0	0	0	0	0	2.1	—	0	.4	.3	.4	.1
1982	3.5	0	0	.1	0	0	2.1	—	.1	1.2	0	.1	—
1983	5.1	0	—	0	0	0	4.7	0	.2	.2	—	—	—
1984	7.8	0	—	0	0	0	7.1	.1	—	.2	.3	.1	—
1985	6.9	0	0	—	0	0	4.0	1.5	—	—	.2	.7	.2
1986	4.4	0	0	—	0	0	2.6	.3	.4	.8	.1	.2	—
1987	4.5	0	0	0	0	0	2.9	.3	.2	.2	.4	.2	.3
1988	4.6	0	0	0	0	0	3.3	.2	.1	.5	.2	.2	.1
1989	6.2	0	0	0	0	0	3.2	.2	.2	1.7	.2	.2	.5
Total	54.3	0.1	—	0.1	0.0	0.0	37.9	2.6	1.4	6.5	2.0	2.5	1.3

—Warsaw Pact

1979	2.7	1.4	0.7	0.4	0.0	0.0	0.0	—	0.1	0.0	0.0	—	0.0
1980	3.8	2.3	.6	.8	0	0	0	—	0	0	0	0	0
1981	5.7	3.2	.6	.6	0	0	0	0	0	0	0	1.2	0
1982	4.3	2.9	.5	.7	—	—	0	0	0	0	0	.1	0
1983	4.4	2.7	.4	1.1	0	0	0	—	0	0	0	.1	—
1984	4.8	3.1	.5	1.1	0	0	0	0	0	—	0	—	0
1985	6.4	4.6	.6	1.2	0	0	0	—	0	0	0	0	0
1986	6.1	4.2	.7	1.3	0	0	0	0	0	0	0	—	0
1987	4.8	2.8	.8	1.1	0	—	0	0	0	.2	0	0	0
1988	3.9	2.4	.6	1.0	0	0	0	0	0	0	0	—	0
1989	3.7	2.9	.6	.2	0	0	0	0	0	0	0	0	0
Total	50.5	32.6	6.6	9.4	—	0.1	0.0	0.1	0.1	0.2	0.0	1.5	—

—Other Europe

1979	0.7	0.2	0.0	0.0	0.0	0.0	0.3	—	—	0.1	0.1	0.1	0.0
1980	1.2	.2	0	0	0	0	.4	—	.5	0	—	.1	0
1981	.8	.1	0	0	0	0	.5	.1	—	0	0	.1	—
1982	.7	.1	0	0	0	0	.2	0	.1	0	—	.1	.3
1983	5.5	.2	0	0	0	0	2.9	—	—	2.2	.1	.1	—
1984	1.1	.2	0	0	0	0	.4	.2	.2	—	—	—	0
1985	1.0	—	0	0	0	0	.5	—	—	—	.2	.1	—
1986	1.4	.8	0	0	0	0	.3	.2	—	0	0	.1	0
1987	1.2	.2	0	0	0	0	.4	.1	.3	0	—	.1	—
1988	1.2	—	0	0	0	0	.5	.5	—	0	0	—	.1
1989	.7	.1	0	0	0	0	.3	—	.1	0	.1	.1	0
Total	15.7	2.3	0.0	0.0	0.0	0.0	6.7	1.1	1.2	2.3	0.6	0.9	0.5

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czechoslovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing
AGREEMENTS - Continued													
Latin America													
1979	2.0	0.6	0.0	—	0.0	0.0	0.1	0.8	—	—	0.1	0.1	0.4
1980	2.4	.6	0	0	0	—	.1	.1	.1	.8	.2	—	.4
1981	3.6	2.0	0	—	0	—	.2	.3	.1	—	.2	.1	.6
1982	3.1	1.8	.1	—	0	—	.5	—	.1	.1	.1	—	.4
1983	2.3	1.4	—	—	0	.1	.2	—	—	—	—	.1	.4
1984	3.3	1.7	—	.1	0	.1	.3	.5	—	.3	.1	0	.3
1985	3.7	1.4	.4	1.0	0	—	.4	—	—	.1	—	.1	.3
1986	3.0	2.1	0	.1	0	—	.3	—	—	—	.3	—	.1
1987	4.0	2.2	0	—	0	—	.6	.5	.1	—	—	.1	.4
1988	3.9	2.3	—	—	0	—	.5	.6	.1	—	.2	—	.1
1989	3.1	1.6	0	—	0	—	.4	.1	—	.2	.2	0	.6
Total	34.3	17.8	0.4	1.2	0.0	0.3	3.6	3.1	0.6	1.5	1.5	0.6	3.9
Middle East													
1979	14.0	6.4	0.3	0.2	—	—	3.3	2.0	1.0	0.5	0.1	0.1	0.2
1980	16.1	—	—	.3	.3	.2	3.2	6.8	1.6	.2	2.3	.5	.5
1981	17.8	4.1	.3	1.4	2.4	1.5	1.8	1.0	.8	.7	.9	.2	2.5
1982	29.6	13.5	.3	.6	1.2	.1	5.6	4.8	.8	.3	1.2	.4	1.0
1983	13.1	.3	—	1.0	.7	.5	4.0	1.5	.2	.1	.7	.9	3.0
1984	26.6	12.8	.1	.6	.1	.5	3.6	5.7	.3	.2	.9	.5	1.3
1985	24.7	6.1	.6	.6	1.3	.6	3.0	.8	8.5	.1	1.2	.7	1.1
1986	14.6	4.3	.4	2.6	1.7	.3	1.2	.8	.6	.1	.4	.5	1.6
1987	19.9	8.2	.1	.8	4.3	.8	1.9	2.3	.1	.2	.2	.4	.7
1988	20.0	1.3	—	.6	1.3	1.0	7.4	2.4	4.3	.1	.2	.4	1.0
1989	10.2	.2	—	.2	.4	1.0	4.3	.4	2.0	.6	.1	.2	.8
Total	206.7	57.2	2.2	8.9	13.8	6.5	39.4	28.5	20.1	3.2	8.2	4.7	13.8
North America													
1979	0.3	0.0	0.0	0.0	0.0	0.0	0.1	—	0.1	—	0.1	—	—
1980	.7	0	0	0	0	0	.3	—	.1	—	.2	—	—
1981	1.3	0	0	0	0	0	.5	.1	.2	.1	.4	—	—
1982	1.5	0	0	0	0	0	.2	.1	.4	—	.6	—	.1
1983	1.3	0	0	0	0	0	.3	—	.3	—	.6	—	—
1984	2.2	0	0	0	0	0	.5	.2	.4	.1	.8	.1	.1
1985	2.1	0	0	0	0	0	.3	.3	.3	.1	.8	—	.2
1986	2.6	0	0	0	0	0	.1	.4	.4	.2	.7	.6	.2
1987	3.8	0	0	0	0	0	.2	.4	1.9	.2	.8	.1	.3
1988	2.7	0	0	0	0	0	.2	.3	.8	.2	.9	.2	.2
1989	1.8	0	0	0	—	0	.2	—	.6	.2	.5	.1	.2
Total	20.3	0.0	0.0	0.0	—	0.0	2.9	1.9	5.4	1.3	6.3	1.2	1.3

**TABLE IV. Arms Transfer Deliveries and Agreements, 1979-1989
By Supplier and Recipient Region — continued**

(In Billions of Current Dollars)

SUPPLIER RECIPIENT	World ^a	COMMUNIST					NON-COMMUNIST						
		Soviet Union ^b	Czechoslovakia	Other Warsaw Pact	China	Other Communist	United States	France	United Kingdom	West Germany	Other NATO	Other Developed	Developing
AGREEMENTS - Continued													
Oceania													
1979	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	—	—	0.0
1980	.5	0	0	0	0	0	.4	0	—	0	0	—	0
1981	.4	0	0	0	0	0	.4	0	0	.1	0	0	0
1982	2.7	0	0	0	0	0	2.6	—	—	—	0	—	0
1983	.2	0	0	0	0	0	.1	—	—	—	—	—	0
1984	.5	0	0	0	0	0	.5	0	0	—	0	.1	—
1985	.9	0	0	0	0	0	.7	0	.1	0	—	.1	0
1986	1.0	0	0	0	0	0	.8	0	—	0	—	.2	—
1987	3.9	0	0	0	0	0	.4	0	0	0	0	3.5	0
1988	.8	0	0	0	0	0	.8	0	—	—	0	—	—
1989	5.3	0	0	0	0	0	.4	—	—	4.0	—	.8	—
Total	16.6	0.0	0.0	0.0	0.0	0.0	7.1	0.1	0.3	4.1	—	4.9	0.1
South Asia													
1979	2.2	1.5	0.1	0.0	0.1	—	—	0.3	0.1	0.0	—	0.0	0.0
1980	3.6	3.0	—	—	.1	0	—	—	.1	—	—	.3	0
1981	2.0	1.2	0	—	.3	0	.1	.1	—	.4	—	—	.1
1982	5.7	2.8	—	—	.1	0	1.1	1.5	.1	—	.1	—	—
1983	2.1	1.2	.1	—	.1	0	.2	0	.4	.1	.1	—	—
1984	3.0	2.5	—	0	.1	0	.2	.1	.1	.1	—	—	—
1985	3.5	2.8	—	.3	.1	0	.2	.1	—	0	.1	—	—
1986	5.4	3.2	—	—	.1	—	.2	.4	.1	—	—	1.2	.1
1987	3.9	2.8	—	.1	.1	—	.2	—	.4	0	—	.1	.1
1988	5.0	3.8	—	.1	.5	0	.4	—	.1	0	—	—	0
1989	7.5	5.6	—	—	.2	—	1.7	0	0	0	0	—	0
Total	44.0	30.3	0.3	0.6	1.6	—	4.3	2.5	1.3	0.7	0.4	1.7	0.3

— \$3 to 50 million.

0 Nil or negligible (less than \$3 million).

a Comparable totals in tables III and IV differ slightly due to the fact that rounding was done at different stages of aggregation. The entry in the World column in table IV exceeds the sum of the components in some rows due to certain imports by Saudi Arabia that cannot be attributed to specific suppliers. See table II, footnote g.

b The estimated dollar value of the Soviet Union's arms exports in this and the previous two editions are revised and substantially larger than those in earlier editions. For further discussion, see Statistical Notes, Arms Transfers.

c US arms transfers to the World and Developed categories include transfers to NATO agencies as such, which are not attributed to any region.

TABLE V. Number of Arms Delivered, Cumulative 1985-1989, By Selected Supplier,^a Recipient Developing Region,^b and Major Weapon Type

EQUIPMENT TYPE	SUPPLIER	TOTAL	SOVIET UNION	OTHER WARSAW PACT	UNITED STATES ^c	FRANCE	UNITED KINGDOM	OTHER NATO	CHINA	OTHER DEVELOPED	OTHER DEVELOPING

ALL DEVELOPING RECIPIENTS^b

LAND ARMAMENTS

Tanks	7,302	4,510	801	971	38	70	62	560	—	290
Anti-Air Artillery ^d	2,432	1,100	4	2	25	—	104	820	155	222
Field Artillery ^e	8,717	3,040	40	612	85	50	175	2,535	800	1,380
Armored Personnel Carriers	13,718	7,985	1,825	1,052	505	12	390	1,300	59	590

NAVAL CRAFT

Major Surface Combatants ^f	50	20	3	—	—	6	12	2	—	7
Other Surface Combatants ^g	528	78	2	23	39	37	61	16	40	232
Submarines	24	12	—	—	—	—	11	—	—	1
Missile Attack Boats	8	—	—	—	—	—	2	4	—	2

AIRCRAFT

Combat Aircraft Supersonic	1,534	763	1	412	118	66	7	85	—	82
Combat Aircraft Subsonic	261	150	—	24	12	41	—	31	—	3
Other Aircraft ^h	1,301	340	122	162	68	11	247	34	82	235
Helicopters	1,582	930	38	193	235	23	88	—	—	75

MISSILES

Surface-to-Air	22,282	17,055	110	1,176	930	81	145	705	580	1500
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AFRICA

LAND ARMAMENTS

Tanks	1,627	925	260	174	13	70	50	—	—	135
Anti-Air Artillery ^d	541	270	4	2	25	—	—	95	—	145
Field Artillery ^e	3,045	700	5	170	5	—	75	1250	190	650
Armored Personnel Carriers	2,213	1,260	235	82	300	12	120	45	4	155

NAVAL CRAFT

Major Surface Combatants ^f	8	5	—	—	3	—	—	—	—	—
Other Surface Combatants ^g	102	17	—	5	19	8	6	6	1	40
Submarines	2	2	—	—	—	—	—	—	—	—
Missile Attack Boats	—	—	—	—	—	—	—	—	—	—

AIRCRAFT

Combat Aircraft Supersonic	273	220	—	10	—	6	—	12	—	25
Combat Aircraft Subsonic	53	25	—	—	12	9	—	7	—	—
Other Aircraft ^h	325	25	95	3	7	—	140	9	6	40
Helicopters	383	265	30	—	50	—	18	—	—	20

MISSILES

Surface-to-Air	5,155	4,375	—	323	150	12	—	—	—	295
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**TABLE V. Number of Arms Delivered, Cumulative 1985-1989, By Selected Supplier,^a
Recipient Developing Region,^b and Major Weapon Type — continued**

SUPPLIER	TOTAL	SOVIET UNION	OTHER WARSAW PACT	UNITED STATES^c	FRANCE	UNITED KINGDOM	OTHER NATO	CHINA	OTHER DEVELOPED	OTHER DEVELOPING
EQUIPMENT TYPE										

EAST ASIA

LAND ARMAMENTS

Tanks	224	115	1	53	—	—	—	55	—	—
Anti-Air Artillery ^d	269	175	—	—	—	—	4	60	30	—
Field Artillery ^e	307	90	—	192	—	10	—	15	—	—
Armored Personnel Carriers	1,617	480	—	452	—	—	85	600	—	—

NAVAL CRAFT

Major Surface Combatants ^f	10	—	—	—	—	—	8	—	—	2
Other Surface Combatants ^g	61	20	—	3	—	5	8	—	5	20
Submarines	2	—	—	—	—	—	2	—	—	—
Missile Attack Boats	—	—	—	—	—	—	—	—	—	—

AIRCRAFT

Combat Aircraft Supersonic	328	110	—	188	—	—	—	—	—	30
Combat Aircraft Subsonic	37	35	—	2	—	—	—	—	—	—
Other Aircraft ^h	91	30	2	16	19	—	19	—	5	—
Helicopters	168	40	—	96	25	6	—	—	—	1

MISSILES

Surface-to-Air	1,648	1,065	—	429	—	9	145	—	—	—
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LATIN AMERICA

LAND ARMAMENTS

Tanks	358	335	—	23	—	—	—	—	—	—
Anti-Air Artillery ^d	345	190	—	—	—	—	50	—	45	60
Field Artillery ^e	214	100	—	14	—	5	25	—	—	70
Armored Personnel Carriers	519	390	—	4	80	—	30	—	15	—

NAVAL CRAFT

Major Surface Combatants ^f	8	1	—	—	1	2	2	—	—	2
Other Surface Combatants ^g	51	25	—	9	—	3	2	—	—	12
Submarines	2	—	—	—	—	—	2	—	—	—
Missile Attack Boats	2	—	—	—	—	—	—	—	—	2

AIRCRAFT

Combat Aircraft Supersonic	95	13	—	56	13	—	7	—	—	6
Combat Aircraft Subsonic	28	—	—	22	—	3	—	—	—	3
Other Aircraft ^h	369	50	6	110	30	3	45	—	20	105
Helicopters	294	115	4	62	75	—	30	—	—	8

MISSILES

Surface-to-Air	1,560	1,500	—	—	—	60	—	—	—	—
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TABLE V. Number of Arms Delivered, Cumulative 1985-1989, By Selected Supplier,^a Recipient Developing Region,^b and Major Weapon Type — continued

EQUIPMENT TYPE	SUPPLIER	TOTAL	SOVIET UNION	OTHER WARSAW PACT	UNITED STATES ^c	FRANCE	UNITED KINGDOM	OTHER NATO	CHINA	OTHER DEVELOPED	OTHER DEVELOPING
NEAR EAST											
LAND ARMAMENTS											
Tanks		2,548	830	540	621	25	—	12	365	—	155
Anti-Air Artillery ^d		1,032	255	—	—	—	—	50	630	80	17
Field Artillery ^e		3,025	650	35	60	80	35	75	1,250	190	650
Armored Personnel Carriers		4,884	1,520	1,590	404	125	—	155	655	—	435
NAVAL CRAFT											
Major Surface Combatants ^f		11	3	—	—	4	1	2	1	—	—
Other Surface Combatants ^g		269	15	2	6	20	11	45	—	30	140
Submarines		4	3	—	—	—	—	—	—	—	1
Missile Attack Boats		2	—	—	—	—	—	2	—	—	—
AIRCRAFT											
Combat Aircraft Supersonic		547	270	1	142	55	60	—	18	—	1
Combat Aircraft Subsonic		89	60	—	—	—	25	—	4	—	—
Other Aircraft ^h		263	50	6	33	3	6	25	—	50	90
Helicopters		467	280	—	29	70	8	40	—	—	40
MISSILES											
Surface-to-Air		9,244	6,370	110	424	630	—	—	505	—	1,205
SOUTH ASIA											
LAND ARMAMENTS											
Tanks		2,545	2,305	—	100	—	—	—	140	—	—
Anti-Air Artillery ^d		245	210	—	—	—	—	—	35	—	—
Field Artillery ^e		2,126	1,500	—	176	—	—	—	20	420	10
Armored Personnel Carriers		4,485	4,335	—	110	—	—	—	—	40	—
NAVAL CRAFT											
Major Surface Combatants ^f		21	11	3	—	—	3	—	1	—	3
Other Surface Combatants ^g		45	1	—	—	—	10	—	10	4	20
Submarines		14	7	—	—	—	—	7	—	—	—
Missile Attack Boats		4	—	—	—	—	—	—	4	—	—
AIRCRAFT											
Combat Aircraft Supersonic		291	150	—	16	50	—	—	55	—	20
Combat Aircraft Subsonic		54	30	—	—	—	4	—	20	—	—
Other Aircraft ^h		253	185	13	—	9	2	18	25	1	—
Helicopters		270	230	4	6	15	9	—	—	—	6
MISSILES											
Surface-to-Air		4,675	3,745	—	—	150	—	—	200	580	—

TABLE V. Number of Arms Delivered, Cumulative 1985-1989, By Selected Supplier, ^a Recipient Developing Region, ^b and Major Weapon Type — continued

— Nil

- ^a Suppliers include the five largest exporters of major weapons, as well as other major groups.
- ^b Totals include the "developing" countries, as previously listed in Table III, with the exception of Albania, Bulgaria, Greece, Malta, Spain, Turkey, and Yugoslavia.
- ^c U.S. data are by fiscal years 1983-1987, while other suppliers' data are by calendar years 1983-1987.
- ^d Air defense artillery includes weapons over 23mm.
- ^e Field artillery includes mobile rocket launchers, mortars, and recoilless rifles over 100mm.
- ^f Major surface combatants include aircraft carriers, cruisers, destroyers, destroyer escorts, and frigates.
- ^g Other surface combatants include motor torpedo boats, subchasers, and minesweepers.
- ^h Other aircraft include reconnaissance aircraft, trainers, transports, and utility aircraft.

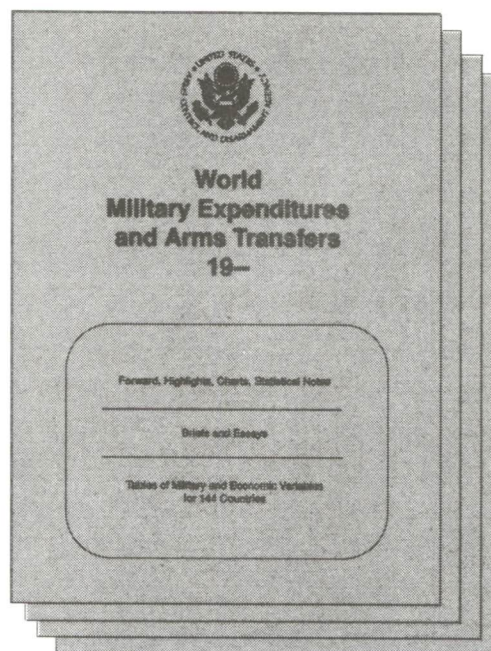
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The widespread use of satellites helps to expand the range of television monitoring; the FBIS TV Center in Reston uses three satellite dishes in the Washington area to pick up satellite broadcasts. Satellites, however, do not provide access to all programming, because many countries still do not transmit on satellites. Terrestrial broadcasts, in turn, must be monitored within 50 miles of the broadcast to obtain a quality picture. The need to be within 50 miles of a terrestrial broadcast constrains collection of some targets of interest, such as Eurasian regional television.

Overseas, FBIS bureaus collect local television programming based on U.S. Government requirements. These programs are forwarded to FBIS headquarters in a variety of ways. For example, one of the FBIS bureaus can monitor live programs from Europe, Russia, and the Middle East via satellite, and forward them to the Reston TV Center via another satellite. Other bureaus forward tapes by diplomatic pouch or mail, and

these may take 2-3 weeks to reach FBIS headquarters. The TV Center is actively looking for ways to get programming to FBIS headquarters, and hence to consumers, more quickly.

VIDEO SELECTION LIST

Consumers are informed of the video content of programs responsive to video collection requirements by means of a "video selection list" (VSL) cable. Each VSL has a tape I.D., such as BAS 91-143, which consumers use to order tapes.

TV PROGRAM SUMMARY

Consumers are informed of the contents of selected daily newscasts by means of the "television program summary" (TPS) cable, which briefly describes each item in a news program. The TPS has a tape I.D., such as TOK 91-278, which is used in ordering tapes.

TAPE I.D.'S

The three-letter code FBIS uses in the VSL and the TPS stands for the city of origin. In the examples above, "BAS" stands for Buenos Aires and "TOK" for Tokyo. The back page of this brochure lists major cities and their three letter codes or trigraphs. For additional trigraphs, consumers may call the TV

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Center. Consumers may wish to use these trigraphs in setting up their electronic profiles for a service best tailored to their individual interests.

HOW TO RECEIVE VSL's, TPS's

To be placed on the electronic dissemination list for VSL's and TPS's, call the FBIS Liaison and Requirements Branch on 703-733- 5672.

TAPE FORMATS

Tapes can be ordered in the U-Matic and VHS formats. U-Matic provides better picture quality.

HOW TO ORDER TAPES

Consumers in the Washington area can order tapes by calling the FBIS TV Center on 703-733- 6135 between 0830 and 1600. Consumers outside the D.C. area may order tapes by calling 1-800-22-5115 (in Virginia) or 1-800-42-8660 (outside Virginia). You will be asked for: name, office affiliation, phone, and mailing address, and tape ID number(s) and format desired.

The TV Center retains tapes for 30 days, after which they are erased.

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RETURNING VIDEOTAPES

Consumers are asked to return all tapes or a comparable replacement after 30 days to the return address on the original package. All tapes should be handled as controlled media (FOUO) due to copyright considerations.

FURTHER INFORMATION

For information about obtaining FBIS video translations and the full range of FBIS products and services, contact the FBIS Liaison and Requirements Branch on 703-733-5672. For information during fast-breaking events, contact the FBIS Operations Center (24 hours) on 703- 733-6001.

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AMM	Amman	MRT	Moscow Russian TV
ANK	Ankara	MMO	Moscow Moskva TV
ASC	Asuncion	MZD	Mainz
ATH	Athens	NAI	Nairobi
BAN	Bangkok	NIC	Nicosia
BAS	Buenos Aires	NOV	Novi Sad
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