

Annual Report



of the Director of the Mint

Fiscal Year Ended September 30, 1979

Department of the Treasury



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DEPARTMENT OF THE TREASURY
DOCUMENT NO. 3280

Director of the Mint

LETTER OF TRANSMITTAL

DEPARTMENT OF THE TREASURY,
BUREAU OF THE MINT,
Washington, D.C. July 21, 1980

SIR: I have the honor to transmit to you the One Hundred and Seventh Annual Report of the Director of the Mint, for the fiscal year ended September 30, 1979. This submission is in compliance with Section 345 of the Revised Statutes of the United States, 2d edition (1878) 31 U.S.C. 253.

STELLA B HACKEL,
Director of the Mint.

HON. G. WILLIAM MILLER,
Secretary of the Treasury.

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Secretaries of the Treasury, 1834–1979

The U.S. Mint was under the supervision of the Secretary of State from its establishment in 1792 to 1799. It then became an independent agency reporting directly to the President of the United States. The act of March 3, 1835 (4 Stat. 774) stated that the Director of the Mint was to direct the business of the Mint “—subject to the approbation of the Secretary of the Treasury—.” Later the Director was authorized to report to the President of the United States and to the Secretary of the Treasury. The act of February 12, 1873 (31 U.S.C. 251, 253) established the Mint as a bureau within the Department of the Treasury.

Term of service				Secretaries of the Treasury	Served under—
From—		To—			President
July 1, 1834	Mar. 3, 1841	Levi Woodbury, New Hampshire	Jackson, Van Buren.		
Mar. 6, 1841	Sept. 11, 1841	Thomas Ewing, Ohio	Harrison, Tyler.		
Sept. 13, 1841	Mar. 1, 1843	Walter Forward, Pennsylvania	Tyler.		
Mar. 8, 1843	May 2, 1844	John C. Spencer, New York ¹	Tyler.		
July 4, 1844	Mar. 7, 1845	Geo. M. Bibb, Kentucky	Tyler, Polk.		
Mar. 8, 1845	Mar. 5, 1849	Robert J. Walker, Mississippi	Polk.		
Mar. 8, 1849	July 22, 1850	Wm. M. Meredith, Pennsylvania	Taylor, Fillmore.		
July 23, 1850	Mar. 6, 1853	Thos. Corwin, Ohio	Fillmore.		
Mar. 7, 1853	Mar. 6, 1857	James Guthrie, Kentucky	Pierce.		
Mar. 7, 1857	Dec. 8, 1860	Howell Cobb, Georgia	Buchanan.		
Dec. 12, 1860	Jan. 14, 1861	Philip F. Thomas, Maryland	Buchanan.		
Jan. 15, 1861	Mar. 6, 1861	John A. Dix, New York	Buchanan.		
Mar. 7, 1861	June 30, 1864	Salmon P. Chase, Ohio	Lincoln.		
July 5, 1864	Mar. 3, 1865	Wm. P. Fessenden, Maine	Lincoln.		
Mar. 9, 1865	Mar. 3, 1869	Hugh McCulloch, Indiana ²	Lincoln, Johnson.		
Mar. 12, 1869	Mar. 16, 1873	Geo. S. Boutwell, Massachusetts	Grant.		
Mar. 17, 1873	June 3, 1874	Wm. A. Richardson, Massachusetts	Grant.		
June 4, 1874	June 20, 1876	Benj. H. Bristow, Kentucky	Grant.		
July 7, 1876	Mar. 9, 1877	Lot M. Morrill, Maine	Grant, Hayes.		
Mar. 10, 1877	Mar. 3, 1881	John Sherman, Ohio	Hayes.		
Mar. 8, 1881	Nov. 13, 1881	Wm. Windom, Minnesota ³	Garfield, Arthur.		
Nov. 14, 1881	Sept. 4, 1884	Chas. J. Folger, New York	Arthur.		
Sept. 25, 1884	Oct. 30, 1884	Walter Q. Gresham, Indiana	Arthur.		
Oct. 31, 1884	Mar. 7, 1885	Hugh McCulloch, Indiana ²	Arthur, Cleveland.		
Mar. 8, 1885	Mar. 31, 1887	Daniel Manning, New York	Cleveland.		
Apr. 1, 1887	Mar. 6, 1889	Chas. S. Fairchild, New York	Cleveland, Harrison.		
Mar. 7, 1889	Jan. 29, 1891	Wm. Windom, Minnesota ³	Harrison.		
Feb. 25, 1891	Mar. 6, 1893	Chas. Foster, Ohio	Harrison, Cleveland.		
Mar. 7, 1893	Mar. 5, 1897	John G. Carlisle, Kentucky	Cleveland, McKinley.		
Mar. 6, 1897	Jan. 31, 1902	Lyman J. Gage, Illinois	McKinley, Roosevelt.		
Feb. 1, 1902	Mar. 3, 1907	L.M. Shaw, Iowa	Roosevelt.		
Mar. 4, 1907	Mar. 7, 1909	George B. Cortelyou, New York	Roosevelt.		
Mar. 8, 1909	Mar. 5, 1913	Franklin MacVeagh, Illinois	Taft.		
Mar. 6, 1913	Dec. 15, 1918	W. G. McAdoo, New York	Wilson.		
Dec. 16, 1918	Feb. 1, 1920	Carter Glass, Virginia	Wilson.		
Feb. 2, 1920	Mar. 3, 1921	David F. Houston, Missouri	Wilson.		
Mar. 4, 1921	Feb. 12, 1932	Andrew W. Mellon, Pennsylvania	Harding, Coolidge, Hoover.		
Feb. 13, 1932	Mar. 3, 1933	Ogden L. Mills, New York	Hoover.		
Mar. 4, 1933	Dec. 31, 1933	William H. Woodin, New York	Roosevelt.		
Jan. 1, 1934	July 22, 1945	Henry Morgenthau, Jr., New York	Roosevelt, Truman.		
July 23, 1945	June 23, 1946	Fred M. Vinson, Kentucky	Truman.		
June 25, 1946	Jan. 20, 1953	John W. Snyder, Missouri	Truman.		
Jan. 21, 1953	July 28, 1957	George M. Humphrey, Ohio	Eisenhower.		
July 29, 1957	Jan. 20, 1961	Robert B. Anderson, Connecticut	Eisenhower.		
Jan. 21, 1961	Apr. 1, 1965	Douglas Dillon, New Jersey	Kennedy, Johnson.		
Apr. 1, 1965	Dec. 20, 1968	Henry H. Fowler, Virginia	Johnson.		
Dec. 21, 1968	Jan. 20, 1969	Joseph W. Barr, Indiana	Johnson.		
Jan. 22, 1969	Feb. 10, 1971	David M. Kennedy, Illinois	Nixon.		
Feb. 11, 1971	June 12, 1972	John B. Connally, Texas	Nixon.		
June 12, 1972	May 8, 1974	George P. Shultz, New York	Nixon.		
May 8, 1974	Jan. 20, 1977	William E. Simon, New Jersey	Nixon, Ford.		
Jan. 23, 1977	Aug. 4, 1979	W. Michael Blumenthal, Michigan	Carter		
Aug. 7, 1979		G. William Miller, California	Carter		

¹Spencer resigned as Secretary of the Treasury May 2, 1844; McClintock Young (Chief Clerk), was ad interim Secretary of the Treasury from May 2 to July 3, 1844.

²Hugh McCulloch was Secretary from Mar. 9, 1865, to Mar. 3, 1869, and from Oct. 31, 1884, to Mar. 7, 1885.

³William Windom was Secretary from Mar. 8, 1881, to Nov. 13, 1881, and also from Mar. 7, 1889, to Jan. 29, 1891.

Directors of the United States Mint 1792-1979

The Director of the Mint is appointed by the President of the United States, by and with the advice and consent of the Senate. The length of the term of office was not fixed by law from 1792 to 1873. The Act of February 12, 1873, fixed the term of the Director at 5 years. However, there is no restriction on the reappointment of Directors.

Term of service				Directors of the Mint
From—		To—		
Apr.	1792	June	1795	David Rittenhouse, Pennsylvania.
July	1795	Oct.	1795	Henry William de Saussure, South Carolina.
Oct.	1795	July	1805	Elias Boudinot, New Jersey.
Jan.	1806	July	1824	Robert Patterson, Pennsylvania.
July	1824	July	1835	Samuel Moore, Pennsylvania.
July	1835	July	1851	Robert Maskell Patterson, Pennsylvania.
July	1851	Apr.	1853	George N. Eckert, Pennsylvania.
Apr.	1853	May	1853	Thomas M. Pettit, Pennsylvania. ¹
June	1853	Apr.	1861	James Ross Snowden, Pennsylvania.
May	1861	Sept.	1866	James Pollock, Pennsylvania.
Oct.	1866	Apr.	1867	William Millward, Pennsylvania. ²
Apr.	1867	Apr.	1869	Henry Richard Linderman, Pennsylvania.
May	1869	Mar.	1873	James Pollock, Pennsylvania.
Apr.	1873	Dec.	1878	Henry Richard Linderman, Pennsylvania.
Feb.	1879	June	1885	Horatio C. Burchard, Illinois.
July	1885	Oct.	1889	James P. Kimball, Pennsylvania.
Oct.	1889	May	1893	Edward O. Leech, District of Columbia.
Nov.	1893	Feb.	1898	Robert E. Preston, District of Columbia.
Feb.	1898	July	1907	George E. Roberts, Iowa.
Sept.	1907	Nov.	1909	Frank A. Leach, California.
Nov.	1909	June	1910	A. Piatt Andrew, Massachusetts.
July	1910	Nov.	1914	George E. Roberts, Iowa.
Mar.	1915	July	1916	Robert W. Woolley, Virginia.
Sept.	1916	Feb.	1917	F.J.H. von Engelken, Florida.
Mar.	1917	Mar.	1922	Raymond T. Baker, Nevada.
Mar.	1922	Sept.	1923	F.E. Scobey, Texas.
Nov.	1923	May	1933	Robert J. Grant, Colorado.
May	1933	Apr.	1953	Nellie Tayloe Ross, Wyoming.
July	1954	Jan.	1961	William H. Brett, Ohio.
Oct.	1961	Aug.	1969	Eva Adams, Nevada.
Sept.	1969	Feb.	1977	Mary Brooks, Idaho.
Nov.	1977	.....	.....	Stella B. Hackel, Vermont.

¹Died in office.

²President Andrew Johnson appointed William Millward Director in October 1866 while the Senate was in recess. The President forwarded his nomination for the position of Director in a letter to the Senate dated Jan. 2, 1867. The Senate rejected the nomination on Jan. 26, 1867. However, William Millward remained in the Mint until the confirmation of Director Linderman.

MINT OPERATIONS, FISCAL YEAR 1979

Mint Operations

Introduction

The Mint became an operating bureau of the Department of the Treasury in 1873, pursuant to the Coinage Act of 1873 (31 U.S.C. 251). All U.S. coins are manufactured at Mint institutions. The Bureau of the Mint distributes the coins to and among the Federal Reserve banks and branches, which in turn release them, as required, to commercial banks. In addition, the Mint maintains physical custody of Treasury gold and silver assets; handles various deposit transactions including inter-Mint transfers of bullion; refines and processes gold and silver bullion; and, moves, places into storage, and releases them from custody for such purposes as authorized. Functions performed by the Mint on a reimbursable basis during the fiscal year 1979 included: The manufacture and sale of the regular annual proof and uncirculated coin sets; the manufacture and sale of medals of a national character, as well as the sale of Bicentennial proof and uncirculated coin sets; and, as schedules permitted, the manufacture of foreign coins.

Organization

The headquarters of the Bureau of the Mint is located in Washington, D.C. The operations necessary for the conduct of the business of the Mint are performed at seven field facilities. Mints are located in Philadelphia, Pa. and Denver, Colo.; assay offices are in New York, N.Y. and San Francisco, Calif.; bullion depositories are situated at Fort Knox, Ky. (for gold) and West Point, N.Y. (for silver); the Old Mint, San Francisco, houses the Mint Data Center, the Mint Museum, and a numismatic order processing operation. The U.S. Assay Office, San Francisco, operates as a mint. The West Point Depository also continued to produce coins during fiscal year 1979.

The number of employees in the headquarters and field installations decreased from 2,455 on September 30, 1978, to 2,349 on September 30, 1979.

Staff Operations

The continuing Committee for the Audit of U.S. Government-owned gold located at the various Mint offices, at appropriate intervals, had been established during fiscal 1976. The Committee was established pursuant to an order of the Secretary of the Treasury. It consists of one representative each from the Bureau of the Mint, the Bureau of Government Financial

Operations, and the Federal Reserve Bank of New York. General Accounting Office representatives participate in the audits as observers. Under the Committee's program, an audit was conducted at each of the four Mint depositories where gold is stored (Fort Knox, Ky.; U.S. Assay Office, New York; U.S. Assay Office, San Francisco; and the Denver Mint). By September 30, 1979, more than 60 percent of the gold stored at Mint depositories had been audited and verified. The continuing audit is planned to provide a complete audit for all U.S. Government-owned gold over a 10-year cycle ending in 1984.

During the fiscal year audits were made of numismatic sales functions, melting and refining activities at the New York Assay Office, procurement practices at the Philadelphia Mint, and controls over travel expenditures and cash assets at the Denver Mint. Concurrent lateral audits of appropriation accounting and payroll activities at all field offices were conducted.

Internal audit work during the fiscal year contributed to the strengthening of internal controls and accounting and reporting systems; more efficient management of numismatic sales facilities; improved accountability and reporting of precious metals; and effective safety programs.

The function of the Mint security program is to provide appropriate and continuous protection for all employees and assets under the jurisdiction of the Bureau of the Mint. This is accomplished by the Mint Security Force, supported by extensive and sophisticated electronic and mechanical alarm systems, closed-circuit television coverage, and special vaults or other controlled locking devices. Security staffs also monitor the Bureau's personnel security clearance program.

The Mint continued to utilize the high quality police-type basic training of the Federal Law Enforcement Training Center, Glynco, Georgia. During the year, 24 Mint security officers satisfactorily completed the 5-week course at this facility.

During October 1979, a week-long Security Officers' Conference was held. Representatives from the seven field offices and headquarters reviewed the Mint's total security program for effectiveness and needed policy decisions.

Extensive security surveys were conducted throughout the Mint. The U.S. Secret Service performed technically oriented surveys at each Mint coining facility. A Mint security task force reviewed the policies and managerial procedures used to administer the security program.

The Mint's first Industrial Hygiene Program was implemented at all field offices during the fiscal year 1979. This program will facilitate Mint compliance with OSHA/NIOSH standards by establishing the capability to acquire and analyze ambient air present in work spaces and identifying areas in which noise levels are exceedingly high.

The annual occupational and health surveys accomplished at each field office during the year indicated significant decreases in disabling injuries from fiscal 1978.

Coinage Activities

Domestic coinage

On October 10, 1978, President Carter approved legislation¹ (Public Law 95-447) which amended the Coinage Act of 1965 to provide for changes in the weight, size, and design of the \$1 coin. The legislation also allowed the Secretary of the Treasury to continue to mint and issue the Eisenhower dollar coin until January 1, 1979.

After the initial development of the coin, the Mint's Office of Technology conducted trial strikes and experimental production lots. Prior to full scale production, specifications for the coin were developed. The cupronickel-clad coin has a diameter of 26.5 millimeters and weighs 8.1 grams. The cladding is an alloy of 75 percent copper, 25 percent nickel, which constitutes 50 percent of the total thickness of the coin. The core is pure copper.

The initial production of the Susan B. Anthony dollar took place at the Philadelphia Mint on December 13, 1978,² when the Director of the Mint started the coin presses, at ceremonies participated in by Under Secretary Anderson, other Treasury and Mint officials, members of Congress, and officials of the Federal Reserve. Early in January the manufacture of the coin was started at the Denver Mint.³ On February 2, 1979, Secretary of the Treasury Blumenthal⁴ joined Director Hackel at the San Francisco Assay Office to observe the production of the dollar coin and to start one of the coin presses used to strike the 1979 proof Anthony dollars. Each of these Mint facilities stamped its own identifying Mint mark on each dollar coin. The manufacture of the dollar coins was begun early in order to accumulate an inventory of 500 million pieces prior to their release to commercial banks through the Federal Reserve System in July 1979.

During the 1979 fiscal year U.S. mint installations produced for general circulation cupronickel clad dollars, half dollars, quarters, and dimes, cupronickel 5-cent pieces, and 1-cent coins composed of 95 percent copper, 5 percent zinc. The Philadelphia Mint produced 5,411,295,000 coins with a face value of \$547,786,650; the Denver Mint manufactured 5,551,462,867 coins with a face value of \$465,098,386; the West Point Bullion Depository made 29,472,000 quarter dollar coins and 1,649,850,000 1-cent pieces, with a face value amounting to \$23,866,500; and the U.S. Assay Office, San Francisco produced 99,034,000 dollar

¹ See exhibit 1. See also 1978 Mint Annual Report, pages 6 and 7.

² See exhibit 9.

³ See exhibit 10.

⁴ See exhibit 12.

coins and 886,930,000 1-cent coins for general issue, valued at \$107,903,300. These facilities of the Mint manufactured a total of 13,628,043,867 coins for general circulation with a face value of \$1,144,654,836, during the fiscal year.

Mint production of the Eisenhower dollar coins was terminated on December 31, 1978. Approximately 34 million of these large cupronickel-clad dollars were struck during the first quarter of the fiscal year.

The manufacture of \$1 coins for general issue was started at the San Francisco Assay Office in December 1978, when 4,432,000 Eisenhower dollars were made. Circulating dollars had not been produced at that site since coinage operations were resumed by virtue of the Coinage Act of 1965 (Public Law 89-81). The Anthony dollars produced from January 1979 on for general issue at San Francisco bore the "S" mint mark, the 1-cent coins bore none.

The Director of the Mint announced⁵ during fiscal 1979 that the "P" mint mark would be placed on all denominations of coins manufactured at Philadelphia except the 1-cent piece, beginning in January 1980.

During the fiscal year coinage strip was provided from both in-house fabrication and purchased sources. The Philadelphia Mint fabricated all 5-cent, 10-cent, and 25-cent strip in-house. Coinage strip for use at the Denver Mint and the San Francisco Assay Office was purchased from commercial suppliers. Most of the annealed/cleaned 1-cent blanks for West Point were furnished by the Philadelphia Mint, with lesser quantities purchased from commercial sources. The costs of in-house strip continues to compare favorably with purchased strip costs.

Stock and distribution of U.S. coinage.—The face value of the stock of U.S. fractional coins outstanding on September 30, 1979, was \$10,407,584,000, of which \$122,798,356 was held by the Treasury, \$273,817,975 was held by Federal Reserve banks, and \$10,010,967,669 in circulation.⁶ On the same date \$1,334,237,000 worth of cupronickel-clad dollars were outstanding. Of these \$199,357,227 was held by the Treasury, \$181,681,185 was held by Federal Reserve banks, and \$953,198,588 was in circulation.⁷

Standard silver dollars outstanding remained at \$481,781,898 throughout the fiscal year.

The Bureau of the Mint distributes coins for general circulation through the 12 Federal Reserve banks and their 25 branches. During fiscal year 1979 the Mint shipped 14,363,100,000 newly manufactured coins with a face value of \$1,105,932,000 to these facilities.⁸

⁵ See exhibit 21.

⁶ See table 8.

⁷ See table 9.

⁸ See table 6.

Mint inventories of coins were 2,492,500,000 on September 30, 1979, compared with 3,227,600,000 at the end of September 1978.⁹ Inventories in the Federal Reserve banks amounted to 3,219,431,331 coins making a combined inventory of 5,711,931,331 at the end of fiscal year 1979. Of the 375 million dollar coins held in joint inventories at the yearend, only 3 million of those held by the Federal Reserve were Eisenhower dollars.

During the fiscal year direct shipment of coins under certain limited conditions from the Mint to commercial banks, was expanded. Coin shipments to such facilities must be accepted by agents designated by the Federal Reserve. Direct shipments were being made to 17 offsite facilities by the fiscal yearend. A reduction of \$190,000 in labor and transportation costs and savings of approximately 13,000 gallons of fuel are expected to accrue to the Government as a result of the direct shipments.

The load units of 1-cent coins shipped in bulk containers to Federal Reserve banks in the Eastern District were increased from \$57,500 to \$64,000. Transportation costs were lowered because of these increases in the loads.

The loads of 1-cent coins shipped to Western and Southwestern District banks were increased from \$64,000 to \$68,000 during the fiscal year. As a result, increased savings in fuel consumption and transportation costs were achieved.

The computerized control program developed during fiscal year 1978 to project coin requirements and target inventories for each Federal Reserve bank, was further refined during 1979.

1979 Annual Assay Commission.—The Act of April 12, 1792, which established the United States Mint, also provided for the Annual Assay Commission. It is believed that the Assay Commission has met almost every year since 1792. The law provides that the Assay Commission shall be composed of the Judge of the District Court for the Eastern District of Pennsylvania, the Comptroller of the Currency, the Assayer of the New York Assay Office, and such other persons as the President shall designate. In 1979, as required by law, three Ex Officio members presided. No public members were appointed to the Assay Commission. The Commission met at the Philadelphia Mint on February 22, 1979, for the purpose of verifying the quality of U.S. coins. Coins reserved from each mint's regular production of the previous calendar year were examined and tested. From the cupronickel clad coins one piece was selected at random from every 100,000 pieces or fractional part thereof. The coins selected were sealed in envelopes and forwarded for the annual assay of coins.

The following table indicates the coins that were reserved during calendar year 1978 for the 1979 meeting of the Annual Assay Commis-

⁹ See table 7.

sion. The Commission reported at the conclusion of the proceedings that the trial of the coins was satisfactory in all respects.

Annual assay coins reserved at various mints during the calendar year 1978

Denomination	Philadelphia Mint		Denver Mint		San Francisco Assay Office	
	Pieces	Value	Pieces	Value	Pieces	Value
Cupronickel clad dollars	226	\$226.00	456	\$456.00	87	\$87.00
Cupronickel clad half dollars	294	147.00	263	131.50	51	25.50
Cupronickel clad quarter dollars	10,302	2,575.50	5,750	1,437.50	51	12.75
Cupronickel clad dimes	13,302	1,330.20	5,608	560.80	28	2.80
Total	24,124	4,278.70	12,077	2,585.80	217	128.05

¹ Includes 258 quarter dollars made at the U.S. Bullion Depository at West Point.

Special Coins and Medals Programs

Special coins programs.—The U.S. Assay Office at San Francisco manufactured regular proof coin sets and continued to assemble 40-percent silver-clad Bicentennial proof and uncirculated sets for delivery, as required. A total of 17,171,958 proof coins (2,861,993 sets) with a face value of \$5,466,406 were produced during the fiscal year,¹⁰ of these 1,784,761 were 1979 proof sets, containing one coin of each denomination including the new Susan B. Anthony dollar.

The ordering period for the 1979 proof sets began on April 2, 1979. The ordering period was closed on May 11, 1979, after orders had been received for more than 3.7 million sets. The exceptionally high demand for the 1979 proof sets was attributed to the inclusion of the new smaller dollar coin. Initial shipment of the sets was deferred until July 2, 1979, when the Anthony dollars for general circulation were released to the public. All regular proof sets were scheduled for shipment by the end of December.

During fiscal year 1979, the San Francisco Assay Office shipped 2.2 million uncirculated 12-coin sets (consisting of one coin of each denomination struck at both the Philadelphia and Denver mints) to customers who had ordered them between September 1, and October 31, 1978.

The Mint continued to offer the 40-percent silver-clad Bicentennial proof and uncirculated coins sets for sale through the middle of September 1979. The uncirculated sets were priced at \$9, but, under the Bulk Rate Program established in August 1975, uncirculated sets in multiples of 50 sets were sold at \$7 per set. The Bulk Rate Program was terminated on September 17, 1979,¹¹ when the open market price of silver reached a level at which the value of silver in each set exceeded the \$7

¹⁰ See table 1.

¹¹ See exhibit 25.

price. On September 19, 1979, the sale of all uncirculated Bicentennial sets was stopped for the same reason. The proof Bicentennial sets were still being sold at \$12 per set at the fiscal yearend. A total of 203,365 Bicentennial proof and uncirculated sets were assembled and delivered during the year.¹²

Foreign coinage.—The Bureau of the Mint manufactured 27,589,090 coins, on a reimbursable basis, for the Dominican Republic, Haiti, and Panama during fiscal 1979.¹³

Through December 31, 1978, U.S. mints had produced a total of 11,158,160,256 coins for 42 foreign countries.¹⁴

Congressionally authorized medals.—The U.S. Capitol Historical Society medal program initiated in fiscal 1978, expired on December 31, 1978. During fiscal 1979, 3,088 medals were produced and delivered, bringing the total for the program to 10,838.

On October 16, 1978, the gold medal, which had been authorized by Public Law 95-9, March 9, 1977, was presented to Marian Anderson. Bronze duplicates were added to the Mint's medal list and made available for sale to the public on October 26, 1978.¹⁵

Public Law 95-348, October 10, 1978,¹⁶ authorized the Secretary of the Treasury to strike a gold medal for presentation by the President to Lt. Gen. Ira C. Eaker USAF (Retired) honoring him for his distinguished career as an aviation pioneer and Air Force leader. By September 30, designs for the obverse and reverse of the medal had been reviewed and approved by Gen. Eaker. Revisions suggested by the Commission of Fine Arts were being incorporated at the fiscal yearend.

Public Law 95-560, enacted November 1, 1978,¹⁷ authorized that a gold medal be struck honoring the late Robert F. Kennedy for his distinguished and dedicated service to the Government and people of the United States. The gold medal is to be presented to his widow, with bronze duplicates to be made available for sale to the public in both the 3-inch and 1⁵/₁₆-inch size.

The official medal of Director of the Mint Stella B. Hackel was completed during the year and added to the Mint's National medal list.¹⁸ The accompanying photograph illustrates the obverse and reverse of the medal, which was designed by the Mint's Chief Sculptor-Engraver, Frank Gasparro.

¹² See table 1.

¹³ See table 15.

¹⁴ See tables 29 and 30.

¹⁵ See exhibit 6.

¹⁶ See exhibit 2.

¹⁷ See exhibit 3.

¹⁸ See exhibit 13.



Official Medal of Director Hackel

On May 26, 1979, President Carter signed Public Law 96-15¹⁹ authorizing the striking of a gold medal in recognition of John Wayne's service to the nation as well as his distinguished acting career. The gold medal for presentation to his family was struck during the fiscal year. Following such presentation, bronze replicas of the medal in 3-inch and 1⁵/₁₆-inch sizes will be available for sale to the public.²⁰ By the fiscal yearend orders for more than 35,000 of the 3-inch medals and over 56,000 for the smaller medal had been received by the Mint. Based on the volume of demand, the John Wayne medal is potentially the most popular medal ever offered for sale by the Mint.

Public Law 96-20, June 13, 1979,²¹ authorized the President to present on behalf of the Congress a gold medal to Ben Abruzzo, Maxie Anderson, and Larry Newman. The Secretary of the Treasury was authorized to strike a medal for each transatlantic balloonist in recognition of their distinguished feat as aviation pioneers.

Public Law 96-21, enacted June 13, 1979,²² authorized that the President present in the name of the Congress, an appropriate gold medal to Mrs. Humphrey in recognition of the distinguished and dedicated service which her late husband, Hubert H. Humphrey, had given the Government and the people of the United States.

National "List" medals in the traditional 3-inch size as well as the 1⁵/₁₆-inch and 1¹/₂-inch sizes continued to be manufactured by the Mint throughout the fiscal year. Approximately 363 thousand list medals were produced at Mint installations during the fiscal year.²³

¹⁹ See exhibit 15.

²⁰ See exhibit 16.

²¹ See exhibit 17.

²² See exhibit 18.

²³ See tables 11, 12, 13, and 14.

A descriptive list of the more than 300 historic medals which may be purchased from the U.S. Mint, with ordering information, is available from: The Bureau of the Mint, 55 Mint St., San Francisco, CA 94175.

Gold medallions.—On November 10, 1978, Title IV, Public Law 95-630, cited as the "American Arts Gold Medallion Act,"²⁴ was approved by President Carter. This legislation, which became effective October 1, 1979, provides that the Secretary of the Treasury shall strike and offer for sale to the public one troy ounce and one-half troy ounce 900 fine gold medallions during each of the first 5 calendar years after enactment. The legislation specified the 10 American artists that the medallions are to honor. During the first year at least 500,000 fine troy ounces of gold are to be struck in each size medallion.

Specifications, cost studies, and solicitation for the purchase of gold blanks for the American Arts Gold Medallions were developed during the fiscal year. The funds to provide for production and marketing costs were included in the Bureau of the Mint's fiscal year 1980 Budget amendment.

The Treasury Department announced on November 15, 1978, that medallions would be offered for sale in 1980, if appropriated funds were provided for their production and sale.²⁵

Administration

Financial Operations

The Bureau of the Mint deposited \$1,039,856,204 into the general fund of the Treasury during the fiscal year 1979. Seigniorage on U.S. coins accounts for \$991,909,497 of the deposit; the revenues deposited were approximately 195 percent greater than the amount estimated for the fiscal year. This was attributed primarily to the seigniorage accruing from production of the Anthony dollar; of the seigniorage deposit, \$915,907,057 was attributed to cupronickel-clad coinage; \$75,947,834 to minor coinage; and \$54.6 thousand to the silver clad Bicentennial coin sets sold during the year.

Monetary assets and liabilities

ASSETS	September 30, 1978	September 30, 1979
Gold bullion.....	\$11,247,794,711.11	\$10,747,263,405.98
Silver bullion.....	¹ 41,356,431.37	¹ 41,314,271.91
Cupronickel clad dollar coin.....	38,452,141.00	199,295,172.00
Subsidiary coin.....	204,535,575.30	93,493,307.75
Minor coin.....	37,537,011.44	29,216,011.82
Coinage metal other than silver.....	220,118,953.66	253,076,066.41
All other.....	1,112,382.68	1,335,041.62
Total assets	11,790,907,206.56	11,364,993,277.49

¹ Includes silver bullion for coinage valued at \$10,764,539.26.

²⁴ See exhibit 7.

²⁵ See exhibit 8.

Monetary assets and liabilities—Con.

LIABILITIES	September 30, 1978	September 30, 1979
Bullion fund	\$11,568,529,952.73	\$11,096,113,858.96
Coinage metal fund	219,814,649.58	249,994,804.53
All other	2,562,604.25	18,884,614.00
Total liabilities	11,790,907,206.56	11,364,993,277.49

NOTE. — For details by Mint institution see table 24.

Income, expenses, and application of funds, fiscal year 1979

INCOME

	In thousands
1. Coins manufactured (face value)	\$1,150,477
2. Appropriation	43,584
3. Special Mint coin reimbursements	29,993
4. Medal sales	590
5. Foreign coinage orders	215
6. Charges collected on deposits, etc.	55
7. Sales of miscellaneous products	4,430
8. Sales of Government property, etc.	53
9. Miscellaneous reimbursements	1,862
10. Miscellaneous revenues	30
Total income	1,231,289

COST OF OPERATIONS

1. Accrued cost of operations (Includes Depreciation):	
a. Coinage (domestic)	\$33,703
b. Deposits	2,003
c. Protection	3,931
d. Refining	2,628
Total operating cost	42,265
2. Cost of metal used in domestic coinage	103,875
3. Distribution of domestic coinage	3,115
4. Cost of manufacturing special mint coins	29,993
5. Cost of manufacturing medals	347
6. Cost of manufacturing foreign coinage	217
7. Cost of processing miscellaneous services	1,858
8. Less depreciation (included in cost of operations)	-2,174
9. Reconciliation of cost to obligations	-867
Total cost of operations	178,629
Excess of income over cost	1,052,660

APPLICATION OF NET INCOME

1. Deposits to the General Fund of the Treasury	1,039,856
2. Undeposited Revenues (Seigniorage) Sept. 30, 1979	8,703
3. Expired appropriation	207
4. Inventory changes	3,289
5. Net increase in Coinage Profit Fund	605
Total funds applied	1,052,660

Gold and Silver*Refining*

The United States Assay Office at New York is the only Federal facility that refines gold and silver. During fiscal year 1979 an intensive “make or buy” study of the comparative costs of refining the Treasury’s remaining gold deposits was conducted in accordance with the Office of Management and Budget (OMB) policy document, Circular A-76. The study disclosed that Assay Office costs were considerably lower than the best bid from the private sector. The Treasury Department announced on June 21, 1979,²⁶ that the facility would continue in operation until the

²⁶ See exhibit 19.

remaining unrefined bullion was processed, which was estimated to require 4 to 5 years. During the fiscal year substantial progress was made in reducing costs and the output of refined gold was increased by 25 percent. The Department estimated that the increase in productivity would result in savings of approximately \$300,000 this fiscal year, with savings of \$400,000 anticipated in fiscal 1980.

On June 21, 1979, the Department of the Treasury issued a directive on the subject of processing losses in refining operations.²⁷

The electrolytic refinery at the New York Assay Office produced approximately 2.8 million fine troy ounces of gold during the 1979 fiscal year. During the same period, approximately 3 million fine troy ounces of silver were refined.²⁸

Unrefined and semiprocessed bullion stocks.—On September 30, 1979, a total of 12.1 million fine troy ounces of unrefined gold and 5.8 million fine troy ounces of unrefined silver were held by the two assay offices and the Denver and Philadelphia mints. The New York Assay Office was holding 4.8 million fine troy ounces of semiprocessed gold and 2.8 million fine troy ounces of semiprocessed silver at the fiscal yearend.²⁹

Field Installations

The Philadelphia Mint

In addition to the production of 5.4 billion coins during fiscal year 1979, the Philadelphia Mint manufactured 1.2 billion blanks for West Point. The Mint produced 60 percent of its total clad strip requirement in-house and 46 percent of all other strip requirements. The cost of making in-house clad strip was reduced through improved management control and process development.

The study concerning the utilization of the Frankford Arsenal as an off-site production and support facility was finalized and submitted. The report included environmental/historical impact assessments.

A vacuum furnace for heat treating dies was purchased. It is expected to contribute to: increased productivity and quality; reduction in energy consumption; and improvement in the atmospheric condition of the die shop.

The quality control department at the Philadelphia Mint made several improvements by upgrading their test equipment and expanding their service. For example, quality control worked with the Safety Officer to implement an industrial hygiene air monitoring program. The techniques used were adapted for Bureau-wide application by the Safety Managers during their fiscal 1979 seminar.

²⁷ See exhibit 20.

²⁸ See table 20.

²⁹ See table 22.

The Mint's first health surveillance program was implemented at Philadelphia. By virtue of a contract with the U.S. Public Health Service and a Physical Measurements Incorporated Mobile Unit, 583 employees voluntarily were administered physical examinations.

The lost-time injury rate was reduced 27 percent from the previous fiscal year.

Powered Industrial Truck Training was provided for 122 operators, covering all three shifts. As part of the Philadelphia Mint's commitment to provide training and developmental assistance to employees, 28 employees completed a career interest survey and 46 employees received career counseling.

Two new exhibits were designed and installed in the lobby of the Mint. One featured the Susan B. Anthony dollar with a combination of photographs, plasters, galvanos, narratives, and coins. In the other, the story of America's First Medals was recounted through engraved plaques, photographs of medals, maps, and the pewter medals.

The large display case on the mezzanine level was redesigned to include the original gold medal awarded to General Anthony Wayne by President George Washington. Artifacts including General Wayne's swords, sash, and telescope are on indefinite loan from the Pennsylvania Society of the Sons of the Revolution. In addition, a new exhibit was created on Benjamin Franklin and some of his inventions.

During the fiscal year, 336,864 visitors toured the public area of the Mint. This total included 968 groups with an average of 40 persons per group. Visitors spent \$498,043 for over-the-counter purchases in the Sales Area during the year.

The Denver Mint

The Denver Mint, constructed 1896-1904, was placed on the National Register of Historic Places in 1972. The project to restore the Grand Hallway, inside the Colfax Street entrance, has been completed. For the first time in many years visitors are able to use this hallway which features an inlaid design of the Great Seal of the United States in Vermont marble in the floor, brass wall scones, and Tiffany glass chandeliers.

On June 18, 1979, the Director of the Mint formally opened the expanded numismatic shop and museum, which reflects the elegance of the period of the Mint's construction. The room features original intricate brass chandeliers, handsome oak furniture, and artifacts from the days when the Denver Mint produced gold and silver coins. A press was installed in the area to permit visitors to stamp their own Denver Mint souvenir medals.

The Denver public area also contains an exhibit of gold coins minted by the private Clark-Gruber Mint which the Federal Government

purchased in 1863. The collection, which is on indefinite loan from the First National Bank of Denver, includes gold coins in denominations of \$2.50, \$5, \$10, and \$20.

During the fiscal year 230,553 persons toured the Denver Mint Public Area. These visitors spent \$616,984 for over-the-counter purchases.

The concerted efforts of managers, supervisors, and employees at the Denver Mint resulted in an increase in production to approximately 5.6 billion coins during the fiscal year 1979. Coin production costs decreased 13.3 percent during the year, despite raising costs of labor, utilities, and supplies.

Increased emphasis and training in safety resulted in a continued decline in the job accident rate at the Denver Mint.

The West Point Bullion Depository

The warehouse addition at the rear of the Depository was completed during the fiscal year. This 30 ft. by 160 ft. storage building now contains nonsensitive material, which previously occupied valuable vault space. The release of this space within the vault proved invaluable to the Gold Medallion Program which was assigned to West Point during the fiscal year.

Ten million 1-centesimo coins for Panama were struck and shipped from the West Point location during the year.

The West Point Bullion Depository continued to strike 1-cent coins, as well as quarter dollar coins throughout the fiscal year.

The function of safeguarding the majority of silver owned by the United States was continued at the U.S. Bullion Depository.

The Old Mint (San Francisco)

During the fiscal year 94,184 persons toured the Old Mint Museum. These visitors spent \$476,129 for items sold over-the-counter at the Museum.

Numerous television programs, as well as newspaper articles of an educational nature featured the Old Mint Museum during the year. The Gold Exhibit was of particular interest to the news media.

The U.S. Assay Office at San Francisco

The San Francisco Assay Office continued to manufacture, package, and ship the regular six-coin proof sets. During the year, approximately 203 thousand Bicentennial proof and uncirculated sets were packaged and shipped. In addition, 1-cent and \$1 coins for general circulation were produced during fiscal 1979.

Early in 1979 a dry gas exothermic generator was installed for use with the proof blank annealing furnace. The quality of gas produced by the

new generator is superior to that of the old one and has resulted in the production of cleaner blanks by the furnace.

The normal process of annealing the blanks and then upsetting was modified to permit upsetting the blanks prior to annealing. This change allows the processing of the blanks, while in a hard condition, through more production operations, thus reducing the number of scratches or other marks on the blanks.

Fort Knox Bullion Depository

The United States Bullion Depository at Fort Knox continued to safeguard most of the Treasury's gold.

The U.S. Assay Office at New York

The Assay Office refined 2,778,706.736 fine troy ounces of gold and 2,960,058.42 fine troy ounces of silver in fiscal 1979. In addition, 1,876,075.570 fine troy ounces of gold anodes were produced during the fiscal year.

Special assays, at cost, were conducted on 1,175 samples of gold and silver bullion and scrap, as a service to the general public as well as to the commercial and industrial community.

The Assay and Quality Assurance Division conducted approximately 500 assays and evaluations for the Department of Defense. Chemists from the Assay Office continued to provide guidance and technical assistance to DOD in related matters.

For the first time, the Treasury Department offered coin gold, rather than fine gold at some of its monthly auctions during the fiscal year. A total of 6,547,146.956 ounces of fine gold and 5,753,935.120 ounces of coin gold were sold to 187 purchasers through the General Services Administration. The delivery of the gold was handled by the New York Assay Office.

EXHIBITS

Exhibits

Exhibit 1.—An act to amend the Coinage Act of 1965 to change the size, weight, and design of the \$1 coin, and for other purposes

[Public Law 95-447, 95th Congress, S. 3036, Oct. 10, 1978]

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. This Act may be cited as the “Susan B. Anthony Dollar Coin Act of 1978”.

SEC. 2. Section 101(c)(1) of the Coinage Act of 1965, as amended (31 U.S.C. 391(c)(1)), is amended by striking out “1.500” and inserting in lieu thereof “1.043” and by striking out “22.68” and inserting in lieu thereof “8.1”.

SEC. 3. The one-dollar coin authorized by section 101(c) of the Coinage Act of 1965, as amended by section 2, shall bear on the obverse side the likeness of Susan B. Anthony, and shall bear on the other side a design which is emblematic of the symbolic eagle of Apollo 11 landing on the moon.

SEC. 4. Section 203 of the Act of December 31, 1970 (31 U.S.C. 324b), is amended by striking out “initially” and by inserting “(d)” after “section 101”.

SEC. 5. Until January 1, 1979, the Secretary of the Treasury may continue to mint and issue one-dollar coins authorized under section 101(c)(1) of the Coinage Act of 1965, as such section was in effect immediately prior to the date of enactment of this Act.

Approved October 10, 1978.

Susan B.
Anthony Dollar
Coin Act of
1978. 31 U.S.C.
324b-1 note.

Design. 31
U.S.C. 324b-1.

31 U.S.C. 391
note.

Exhibit 2.—An act to authorize the President of the United States to present on behalf of the Congress a specially struck gold medal to Lieutenant General Ira C. Eaker, United States Air Force (retired)

[Public Law 95-438, 95th Congress, S. 425, Oct. 10, 1978]

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled. That (a) the President of the United States is hereby authorized to present, on behalf of the Congress, to Lieutenant General Ira C. Eaker, United States Air Force (retired), a gold medal of appropriate design in recognition of his distinguished career as an aviation pioneer and Air Force leader. For such purpose, the Secretary of the Treasury is authorized and directed to cause to be struck a gold medal with suitable emblems, devices, and inscriptions to be determined by the Secretary of the Air Force with the approval of the Secretary of the Treasury. There are authorized to be appropriated not to exceed \$5,000 to carry out the provisions of this subsection.

(b) The Secretary of the Treasury may cause duplicates in bronze of such medal to be struck and sold at not less than the estimated cost of manufacture, including labor, materials, dies, use of machinery, and

Lt. Gen. Ira C.
Eaker. Medal.

Appropriation
authorization.

Duplicates.

overhead expenses, plus 25 per centum of such cost of manufacture. The appropriation then current and chargeable for the cost of manufacture of such duplicate medals shall be fully reimbursed from the payment required by this section and received by the Secretary: *Provided*, That any money received in excess of the actual cost of manufacture of such duplicate medals shall from time to time be covered into the Treasury. Security satisfactory to the Director of the Mint shall be furnished to fully indemnify the United States for the payment required by this section.

(c) The medals provided for in this section are national medals for the purpose of section 3551 of the Revised Statutes (31 U.S.C. 368).

Approved October 10, 1978.

Exhibit 3.—An act authorizing the President of the United States to present a gold medal to the widow of Robert F. Kennedy

[Public Law 95-560, 95th Congress, H.R. 8389, Nov. 1, 1978]

Mrs. Robert F.
Kennedy. Gold
medal
presentation,
authorization.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled; That the President is authorized to present, in the name of Congress, an appropriate gold medal to Mrs. Robert F. Kennedy, in recognition of the distinguished and dedicated service which her late husband gave to the Government and to the people of the United States. For such purposes, the Secretary of the Treasury shall cause to be struck a gold medal with suitable emblems, devices, and inscriptions to be determined by the Secretary. There is authorized to be appropriated the sum of \$3,000 to carry out the provisions of this section.

Appropriation
authorization.

SEC. 2. The Secretary of the Treasury is authorized to strike and make available for sale to the public—

(1) full-sized duplicates in bronze, and

(2) replicas in bronze, one and five-sixteenths inches in diameter, of the medal authorized by section 1.

Approved November 1, 1978.

Exhibit 4.—Press release, October 10, 1978, announcing completion of the official medal of Treasury Secretary Blumenthal

Mrs. Stella B. Hackel, Director of the Mint, today announced the completion of the official medal of Treasury Secretary W. Michael Blumenthal. The Blumenthal medal has been added to the list of Treasury Secretary medals available for sale to the public.

These official medals are struck in bronze and most are 3 inches in diameter. The obverse of the Blumenthal medal shows a full view portrait of the Secretary with his name inscribed above. The Mint's Chief Sculptor and Engraver, Frank Gasparro, designed the portrait side of the medal.

Depicted on the reverse of the medal is an interpretation of the eagle insignia from the Great Seal of the United States. The insignia is circled by smaller seals of the Department of the Treasury, the Department of State, Princeton University, and the University of California, in recognition of highlights in the Secretary's career. The words "Secretary of the Treasury" and the date on which Mr. Blumenthal was sworn into office, January 23, 1977, complete the reverse of the medal designed by Mint Sculptor/Engraver, Philip E. Fowler.

The 3-inch Blumenthal medal may be purchased for \$6 from the Bureau of the Mint sales areas at the Philadelphia Mint, the Denver Mint, the San Francisco Old Mint, and the Main Treasury Building in Washington, D. C. The medal, which is number 227 on the Mint medal list, can also be ordered by mail from the Mint for \$6.30. A money order or check payable

to the Bureau of the Mint should be sent to the Bureau of the Mint, 55 Mint Street, San Francisco, California 94175. The \$6.30 price includes mailing and handling costs.

A brochure listing the Treasury Secretary Medals and the many other National Medals authorized by Congress to honor famous Americans, landmarks and historic events can be obtained by writing to the address above.

Exhibit 5.—Press release, October 24, 1978, concerning closing of ordering period for 1978 uncirculated coin sets

Director of the Mint Stella B. Hackel today announced that the ordering period for 1978 uncirculated coin sets will close October 31, 1978.

On September 1, 1978 the Mint began accepting mail orders for the uncirculated coin sets consisting of 12 coins: a dollar, half dollar, quarter dollar, dime, nickel, and cent piece from the Denver Mint and the same denominations from the Philadelphia Mint. The six coins from the Denver Mint have the "D" mint mark and are sealed in red-striped polyester film. The six coins from the Philadelphia Mint are sealed in blue-striped polyester film and have no mint mark. The 12 coins are inserted in a presentation envelope. The price per set is \$7 with a limit of five sets per customer.

The 1978 uncirculated coin sets represent the best coins which can be made with the same coining techniques used for circulating coinage production. The sets will be mailed by the end of December.

Those persons not already on the Mint mailing list who wish to receive order forms for the 1979 Proof and uncirculated coin sets, when available, may write to:

Bureau of the Mint,
55 Mint Street,
San Francisco, CA 94175.

Exhibit 6.—Press release, October 26, 1978, concerning availability of national medal honoring Marian Anderson

Director of the Mint, Mrs. Stella B. Hackel, today announced the availability of the Marian Anderson 3-inch national bronze medal.

Public Law 95-9, passed by the Congress and signed into law by the President on March 8, 1977, authorized the Secretary of the Treasury to strike a special national gold medal to be awarded to Miss Marian Anderson and also authorized the striking of duplicate bronze national medals for sale to the public. This was in recognition of her highly distinguished and impressive career of more than half a century; for untiring and unselfish devotion to the promotion of the arts throughout the world, including establishment of scholarships for young people, for her strong and imaginative support to humanitarian causes; for contributions to the cause of world peace through her work as United States delegate to the United Nations; for her performances and recordings which have reached people throughout the world; for her unstinting efforts on behalf of the brotherhood of man and for the many treasured moments she has brought to the world with enormous demand on her time, talent, and energy.

At White House ceremonies October 16, 1978, the President presented the congressionally authorized gold medal to Miss Anderson and remarked, "She's brought joy to millions of people, and she exemplifies the finest aspects of American citizenship."

The obverse of the medal was designed by Mr. Frank Gasparro, the United States Mint's Chief Sculptor and Engraver. The reverse was designed by Mr. Matthew Peloso, Sculptor and Engraver, Philadelphia Mint, and by Mr. Gasparro.

The reverse of the Marian Anderson medal features hands encompassing a global world. The inscription **UNITY GOD'S WAY** overlaps the wrists. **HE'S GOT THE WHOLE WORLD IN HIS HANDS** is the theme of the medal and was personally selected by Miss Anderson. This inscription appears on the upper border of the reverse while the lower border reads **HONORED BY CONGRESS FOR PUBLIC SERVICE THROUGH MUSIC 1977**.

The obverse of the medal features a full-view portrait of the artist with the inscription **MARIAN ANDERSON** at the top.

The Marian Anderson 3-inch bronze medal may be purchased for \$7 over-the-counter from the Bureau of the Mint sales areas at the Philadelphia Mint, the Denver Mint, the San Francisco Old Mint, and the Department of the Treasury Main Building, in Washington, D. C.

The medal may be ordered by mail for \$7.30. This price includes mailing and handling costs. The medal is number 663 on the Mint's Medal List. A money order or check payable to the Bureau of the Mint should be sent to the Bureau of the Mint, 55 Mint Street, San Francisco, Ca. 94175. If ordering from another country, remittance should be payable to the Bureau of the Mint either by an International Money Order or a check drawn on a U.S. bank payable in U.S. currency.

A brochure listing medals available from the United States Mint, and many other national medals authorized by Congress to honor famous Americans, landmarks and historic events can be obtained by writing to the above San Francisco address.

Exhibit 7.—Title IV, Public Law 95–630, November 10, 1978, cited as the “American Arts Gold Medallion Act”

Sec. 401. This title may be cited as the “American Arts Gold Medallion Act”.

SEC. 402. The Secretary of the Treasury (hereinafter referred to as the “Secretary”) shall, during each of the first five calendar years beginning after the date of enactment of this title, strike and sell to the general public, as provided by this title, gold medallions (hereinafter referred to as “medallions”) containing, in the aggregate, not less than one million troy ounces of fine gold, and commemorating outstanding individuals in the American arts.

SEC. 403. (a) Medallions struck under authority of this title shall be minted in two sizes containing, respectively, one troy ounce and one-half troy ounce of fine gold. During the first year in which such medallions are struck, at least five hundred thousand troy ounces of fine gold shall be struck in each size of medallions authorized by this subsection. In succeeding years, the proportion of gold devoted to each size of medallions shall be determined by the Secretary on the basis of expected demand.

(b) Medallions struck under authority of this title shall be of such fineness that, of one thousand parts by weight, nine hundred shall be of fine gold and one hundred of alloy. Medallions shall not be struck from ingots which deviate from the standard of this subsection by more than one part per thousand.

(c) Medallions struck under the authority of this title shall bear such designs and inscriptions as the Secretary may approve subject to the following—

(1) during the first calendar year beginning after the date of enactment of this title, one ounce medallions shall be struck with a picture of Grant Wood on the obverse side and one-half ounce medallions shall be struck with a picture of Marian Anderson on the obverse side;

(2) during the second calendar year beginning after the date of enactment of this title, one ounce medallions shall be struck with a picture of Mark Twain on the obverse side and one-half ounce medallions shall be struck with a picture of Willa Cather on the obverse side;

(3) during the third calendar year beginning after the date of enactment of this title, one ounce medallions shall be struck with a picture of Louis Armstrong on the obverse side and one-half ounce medallions shall be struck with a picture of Frank Lloyd Wright on the obverse side;

(4) during the fourth calendar year beginning after the date of enactment of this title, one ounce medallions shall be struck with a picture of Robert Frost on the obverse side and one-half ounce medallions shall be struck with a picture of Alexander Calder on the obverse side; and

(5) during the fifth calendar year beginning after the date of enactment of this title, one ounce medallions shall be struck with a picture of Helen Hayes on the obverse side and one-half ounce medallions shall be struck with a picture of John Steinbeck on the obverse side.

The reverse side of each medallion shall be of different design, shall be representative of the artistic achievements of the individual on the obverse side, and shall include the inscription "American Arts Commemorative Series".

SEC. 404. Dies for use in striking the medallions authorized by this title may be executed by the engraver, and the medallions struck by the Superintendent of coining department of the mint at Philadelphia, under such regulations as the Superintendent, with the approval of the Director of the Mint, may prescribe. In order to carry out this title, the Secretary may enter into contracts: *Provided*, That suitable precautions are maintained to secure against counterfeiting and against unauthorized issuance of medallions struck under authority of this title.

SEC. 405. For purposes of section 485 of title 18 of the United States Code, a coin of a denomination of higher than 5 cents shall be deemed to include any medallion struck under the authority of this title.

SEC. 406. (a) Medallions struck under authority of this title shall be sold to the general public at a competitive price equal to the free market value of the gold contained therein plus the cost of manufacture, including labor, materials, dies, use of machinery, and overhead expenses including marketing costs. In order to carry out the purposes of this section, the Secretary shall enter into such arrangements with the Administrator of General Services (hereinafter referred to as the "Administrator") as may be appropriate.

(b) The Administrator shall make such arrangements for the sale of medallions as will encourage broad public participation and will not preclude purchases of single pieces.

(c) The Administrator may, after consultation with the Secretary, issue rules and regulations to carry out this section.

SEC. 407. This title shall take effect on October 1, 1979.

Exhibit 8.—Press release, November 15, 1978, concerning sale of gold medallions in 1980

The Treasury Department today said gold medallions bearing the images of American artists could be offered for sale in the spring of 1980 if appropriated funds are provided for their production and sale.

Legislation providing for the issuance of American Arts Gold Medallions is effective October 1, 1979, and requires that medallions containing 1 ounce and ½ ounce of fine gold, totaling 1,000,000 ounces of fine gold, be struck and offered for sale in each of the 5 following calendar years.

The artists to be honored on the medallions are: Grant Wood and Marian Anderson in 1980; Mark Twain and Willa Cather in 1981; Louis Armstrong and Frank Lloyd Wright in 1982; Robert Frost and Alexander Calder in 1983; and Helen Hayes and John Steinbeck in 1984, on the 1-ounce and ½-ounce medallions respectively.

The obverse side of each medallion will bear the image of the artist and the reverse side the inscription "American Arts Commemorative Series" and designs representative of the achievements of the artist being honored.

The law specifies that the medallions are to be nine-tenths fine gold and one-tenth alloy and that they be "sold to the general public at a competitive price equal to the free market value of the gold contained therein plus the cost of manufacture, including labor, materials, dies, use of machinery, and overhead expenses including marketing costs."

In the initial year, 500,000 ounces of gold will be struck in medallions of each size. Thereafter, the proportion of medallions in each size will be determined by the Secretary of the Treasury on the basis of expected demand.

Detailed plans for production and sale of the medallions, which will not be legal tender, are being developed but cannot be made final until the required appropriation is enacted.

Exhibit 9.—Press release, December 13, 1978, concerning first production strike of Susan B. Anthony dollar coin at the Philadelphia Mint

The first production strike of the Susan B. Anthony dollar coin took place today at the United States Mint in Philadelphia. Mrs. Stella B. Hackel, Director of the Mint, was joined by members of Congress, Treasury and Federal Reserve officials, and the news media to view the historic first production of the Susan B. Anthony dollars.

Expressing her enthusiasm for the new \$1 coin, Mrs. Hackel explained that the limited usefulness of the Eisenhower dollar, primarily because of its cumbersome size and weight, has been of considerable concern to the Treasury Department. Noting that the Anthony dollar is sized between the quarter and half dollar and weighs one-third as much as four quarters, the Director remarked that the size and weight were selected so the new coin would be more convenient and easy to use.

Accelerated production of the new \$1 will continue over the next 6 months at the mint facilities in Philadelphia, Denver, and San Francisco prior to their release to the public in July 1979, Mrs. Hackel stated. To insure an adequate national supply, over 500 million coins are scheduled for production before the coin is issued. The circulating dollars produced in Philadelphia will have a "P" Mint Mark; those produced in Denver will have the "D" Mint Mark; and the "S" Mint Mark will designate the Anthony dollars struck at the San Francisco facility.

Legislation for the new coin was passed by Congress on September 26, 1978, and signed into law by President Carter on October 10, 1978.

The Anthony design was selected by Congress, Mrs. Hackel said, in recognition of Susan B. Anthony's lifelong struggle to achieve women's right to vote. President Carter noted that the new \$1 would "be a constant reminder of the continuing struggle for the equality of all Americans" in a statement issued on the day he signed the bill into law, she added.

An American eagle landing on the Moon, a design similar to that currently used on the Eisenhower dollar, will appear on the reverse side of the Anthony coin. Both the obverse and reverse of the coin were designed by Frank Gasparro, Chief Engraver of the United States Mint.

In addition to the distinctly different design and size, the new \$1, while still round, will have an 11-sided inner border on both sides of the coin which allows the coin to be distinguished by touch as well as sight.

Widespread use of the new \$1 will result in substantial production cost savings to the Federal Government, Mrs. Hackel said, since each new \$1 will cost about 3 cents to produce as compared to 8 cents for the present large dollar coin. Substitution of the Anthony \$1 coin for the \$1 note will also result in substantial savings, since the life of a coin is 15 years or more as compared to the \$1 bill which wears out and must be replaced every 18 months.

Exhibit 10.—Press release, January 9, 1979, concerning production of Susan B. Anthony dollar at the Denver Mint

Colorado State officials, members of Congress, Treasury and Federal Reserve officials joined Director of the Mint Stella B. Hackel at the Denver Mint where the historic new Susan B. Anthony dollar coin is in startup production.

The new \$1 coin will be released to the public in July, the Director said, noting that the Mint facilities in Philadelphia and San Francisco as well as Denver will produce nearly 500 million of the new \$1 coins before they are released in order to insure an adequate national supply.

The Anthony dollars struck in Denver will be designated with a "D" mint mark; those produced in Philadelphia will have a "P" mint mark; and the "S" mint mark will appear on the dollars struck at the San Francisco Assay Office.

The Anthony dollar is sized between the quarter and half dollar and weighs one-third as much as four quarters. Mrs. Hackel explained that the new size and weight were designed so that the new coin would be more convenient for the American people. The new \$1, while still round, has an 11-sided inner border on both sides of the coin which allows the coin to be distinguished by touch as well as sight.

Widespread use of the new \$1 will result in substantial cost savings to the Federal Government, Mrs. Hackel said. The new \$1 coin costs about 3 cents to produce and has a life in circulation of 15 years, as compared to the \$1 note which costs nearly 2 cents to produce and lasts about 18 months. Private industry, including major retailers, banks and transit companies, will also benefit, due to the faster, easier handling of \$1 coins as compared to \$1 notes. Also, the automated merchandizing industry will be able to offer a far wider range of products to consumers.

Congress passed the law authorizing the new coin on September 26, 1978, and the President signed it into law on October 10, 1978. The Anthony design was selected by Congress in recognition of Susan B. Anthony's lifelong struggle to achieve the right to vote for women. The reverse side design is the Apollo eagle landing on the Moon, a smaller version of the design used on the existing Eisenhower \$1 coin. The coin was designed by Frank Gasparro, Chief Engraver-Sculptor of the United States Mint.

Exhibit 11.—Press release, January 29, 1979, concerning production of Susan B. Anthony dollar at San Francisco Assay Office

A ceremony marking the production of the new \$1 coin at the San Francisco Assay Office will be held at 8:00 a.m. on Friday, February 2, 1979, Mrs. Stella B. Hackel, Director of the Mint, announced today.

Members of Congress, Federal Reserve officials, representatives from the financial and business communities, as well as representatives of numismatic and women's groups will join Treasury and Mint officials to view the Anthony dollar in production. Guests will also view the 1979 proof Anthony dollars being struck. The proof dollars will be included in the Mint's special proof coin sets which will be available by mail order from the San Francisco Mint later this year.

The circulating Anthony \$1 coin will be released to the public in July, Mrs. Hackel said, noting that the Mint facilities in Philadelphia and Denver, as well as the San Francisco Assay Office will produce approximately 500 million of the new \$1 coins before they are released, in order to insure an adequate supply.

The new \$1 is sized between the quarter and half dollar and weighs one-third as much as four quarters. The size and weight of the coin were selected to make it convenient and easy to use. It will replace the existing \$1 coin which has never won widespread acceptance by the American public because of its cumbersome size and weight. In addition to the new size

and weight, the Anthony dollar has an 11-sided inner border. It is the first U.S. circulating coin to portray an American woman.

The Director said, that the Anthony design was selected by Congress in recognition of Susan B. Anthony's leadership in obtaining the right to vote for women. President Carter noted that the new \$1 would be "a constant reminder of the continuing struggle for the equality of all Americans" in a statement issued on the day he signed the bill into law, she added.

Widespread acceptance of the new \$1 coin will result in substantial cost savings to private industry due to the faster, easier handling of a small \$1 coin, as compared to a \$1 bill. In addition she said, there will be substantial production cost savings to the Government since each new \$1 will cost about 3 cents to produce as compared to 8 cents for the large \$1 coin. Also, a \$1 coin can stay in circulation in good condition for 15 years or more as compared to the \$1 bill which costs nearly 2 cents to make and wears out, so it must be replaced every 18 months.

In her announcement of the ceremonies planned for the San Francisco Assay Office the Mint Director added that the Treasury Department and the Federal Reserve System, who distribute the nation's coins, will be actively promoting the new coin throughout the nation in the next few months.

Exhibit 12.—Remarks by Secretary of the Treasury Blumenthal, February 2, 1979, at the U.S. Assay Office, San Francisco

I'm pleased to join with members of this community today as we mint the first Susan B. Anthony dollar coin here in San Francisco.

I know many of you worked very hard for passage of the legislation which enables us to be here today. This is a significant event—not only are we introducing a coin which will be cost efficient to business and to government, but we are breaking an old Government tradition—and believe me that is no easy feat.

In the past, most coins had a liberty figure obverse design. But for this new coin Congress has chosen to honor a real woman, one of the first suffragists, Susan B. Anthony, instead of a mythical figure. Isn't it refreshing to know that we have finally decided to move away from myths and toward reality. It's time we all realized that women have as much a right to be depicted on our coins as men, Indians, and even buffalos and eagles, time to realize that women be given the credit they deserve, and time to recognize them for their accomplishments. They should not merely be the obverse side of coins, of men or of anything, but they must be fully recognized as persons in their own right. As Victor Hugo said, "There is one thing stronger than arms, and that is an idea when its time has come." Ms. Anthony—this is your time. We honor Susan B. Anthony on this dollar coin for all she has done for the struggle for human rights, and especially for her striving to help women gain the right to vote. It is particularly appropriate to do so at a time when our nation has become so conscious of helping others with their quest for human rights.

It is time the United States portrayed a woman on a coin, for we are one of the few countries which until now had no real female likeness represented on any of our coinage. Perhaps that is why the dollar was in some trouble. When Susan used to crusade from town to town to advocate women's rights, she was backed by her father's money. Now we need Susan to back our money.

When President Carter signed the new coin act, he said, "This new coin will be a constant reminder of the continuing struggle for the equality of all Americans." It reminds me too of our constant struggle to stabilize the dollar. Susan Anthony, I sure hope you can help us now.

I'm not going to recite a litany of accomplishments and praises for the person we honor in this way. From what I understand about her, she wouldn't have wanted that. As she once

said of President Roosevelt, "When will men do something besides extend congratulations? I would rather have President Roosevelt say a word to Congress in favor of amending the constitution to give women the suffrage than to praise me endlessly."

In response to her wishes, I will not congratulate her, but will ask all those here today to join in a conscious effort to continue the fight for human rights—the fight she began so many years ago. If you all remember her motto, "Failure is Impossible," it will help provide us with the inspiration to proceed.

As for the new \$1 coin itself, we anticipate much success. With your cooperation, that of retail firms, commercial banks, and the general public, it will soon become an effective medium of exchange. It is smaller and lighter than the present Eisenhower coin and it will replace demand for \$1 bills. The Government will save 60 percent on the cost of minting \$1 coins—this will amount to a savings of roughly \$4.5 million a year—a fact of no small significance to an Administration that is striving to balance its budget. With increased production generated by successful circulation, the savings will multiply.

The Anthony coin will be advantageous to private industry—including major retailers, banks, and transit companies—because of faster, easier handling of coins compared to notes. Also the automated merchandising industry will be able to offer a far wider range of products to consumers. Time will be saved at cash registers. It will be faster to count money both manually and automatically. Even a 20 percent displacement of notes by coins would permit Treasury to defer for at least the foreseeable future, a costly expansion program at the Bureau of Engraving and Printing.

In addition, the new design has an inner border—providing a means for tactile recognition by the visually handicapped. The sandwich laminate of cupronickel makes the coin difficult to counterfeit or slug.

Susan Anthony was once described as having a "finely organized constitution and a good degree of compactness and power."

I wish to describe our new dollar coin in the same way.

As to the concern that the new coin is inflationary—this simply is not the case. The increased use of higher value coins in this and other developed countries is the consequence rather than the cause of the general inflationary trend.

As the purchasing power of the lowest denomination rate declines, the highest value coin becomes a far more necessary component of a nation's coinage and currency system.

My feeling is that this coin could be one of the most valuable coins one can possess—for it underlies a dual issue—this nation's tremendous concern with human rights and with inflation. The intention is that we will succeed in extending the former and halting the latter.

In closing, let me relate a piece of advice Susan Anthony received from an uncle. He said to her, "If you want to be a real success, you have to make the world notice you." She replied, "I'll make them stare." Little did she know that the whole world would one day be staring at her likeness on a \$1 coin.

Exhibit 13.—Press release, March 2, 1979, concerning availability of Director of the Mint Stella B. Hackel official medal

The Bureau of the Mint today announced the availability of the Director of the United States Mint Stella B. Hackel bronze 3-inch medal.

Mr. Frank Gasparro, the U.S. Mint's Chief Engraver designed the obverse of the medal. The reverse was designed by Mr. John M. Mercanti, Sculptor-Engraver, Philadelphia Mint staff.

The obverse of the medal has a front view portrait of the Director of the United States Mint with miniature floral designs enclosing the lettering STELLA B. HACKEL at the top

of the medal. The floral markings were used to embellish the plain background, a custom that dates back to medals made during the Renaissance.

The top of the reverse of the medal is symbolic of Vermont, Mrs. Hackel's native State, and depicts a typical Vermont countryside scene: a steepled church, homes nestled among a forest of trees, a barn and silo in the distance, and mountains in the background. The lower part of the reverse of the medal has the lettering **DIRECTOR OF THE MINT** which appears over the seals of the Office of the Director of the Mint and State of Vermont. The latter seal contains the inscriptions "Freedom" and "Unity." Between the seals the date November 4, 1977, is inscribed which is the date Mrs. Hackel was confirmed as the 29th Director of the Mint by the United States Senate.

The Stella B. Hackel, Director of the Mint, 3-inch bronze medal may be purchased for \$6 each over-the-counter from the Bureau of the Mint sales areas at the Philadelphia Mint, the Denver Mint, the San Francisco Old Mint, and the Department of the Treasury Main Building in Washington, D.C.

The medal may be ordered by mail for \$6.30. This price includes mailing and handling costs. The medal control number is 321 on the Mint's Medal List. A money order or check payable to the Bureau of the Mint should be sent to the Bureau of the Mint, 55 Mint Street, San Francisco, CA. 94175. If ordering from another country, remittance should be payable to the Bureau of the Mint either by an International Money Order or a check drawn on a U.S. bank payable in U.S. currency.

A brochure listing medals available from the United States Mint, and many national medals authorized by Congress to honor famous Americans, landmarks, and historic events can be obtained by writing to the San Francisco address.

Exhibit 14.—Press release, April 26, 1979, concerning method to be used to market gold medallions

The Treasury announced today that it expects to use a direct mail order system to market the gold medallions to be produced and sold under the American Arts Medallion Act.

Final planning for the production and sale of the medallions will be completed and production begun only after Congress appropriates the necessary funds. Requests for appropriations are under consideration by the Office of Management and Budget. The Treasury expects to be able to initiate sales within 9 months after funds become available for expenditure.

If funds are provided this year, the Treasury will offer in 1980 1,000,000 medallions each containing a 1/2 ounce of gold and bearing the image of singer Marian Anderson and 500,000 medallions containing 1 ounce of gold and having the image of artist Grant Wood. The reverse side of each medallion will have the inscription "American Arts Commemorative Series," the words giving the amount of gold in the medallion and a design representing the achievement of these artists. Under the Act, medallions containing 1,000,000 ounces of fine gold and honoring other American artists are to be offered for sale in each of the 4 ensuing years.

The direct mail order system has been selected as providing the best and least costly method of enabling individuals to obtain medallions at the market value of the gold content of the medallions plus production and distribution costs. In order to assure the maximum opportunity for individual ownership, the number of medallions which any individual would be eligible to buy would be limited. Corporations, including gold dealers and banks, would be subject to the same limitation.

Further information will be provided once funds have been made available and plans can be made final.

Exhibit 15.—An act to authorize the President of the United States to present on behalf of the Congress a specially struck medal to John Wayne.

[Public Law 96-15, 96th Congress, S. 631, May 26, 1979]

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That (a) the President of the United States is authorized to present, on behalf of the Congress, to John Wayne, a gold medal of appropriate design in recognition of his distinguished career as an actor and his service to the Nation. For such purpose, the Secretary of the Treasury is authorized and directed to cause to be struck a gold medal with suitable emblems, devices, and inscriptions, including "John Wayne, American", to be determined by the Secretary of the Treasury. There is authorized to be appropriated not to exceed \$15,000 to carry out the provisions of this subsection.

John Wayne
Commemorative
medal.

Appropriation
authorization.

(b) The Secretary of the Treasury may cause duplicates in bronze of such medal to be coined and sold under such regulations as he may prescribe, at a price sufficient to cover the cost thereof, including labor, materials, dies, use of machinery, overhead expenses, and the gold medal, and the appropriation used for carrying out the provisions of this subsection shall be reimbursed out of the proceeds of such sale.

Duplicates.

(c) The medals provided for in this Act are national medals for the purpose of section 3551 of the Revised Statutes (31 U.S.C. 368).

Approved May 26, 1979.

Exhibit 16.—Press release, June 8, 1979, concerning the preparation of bronze replicas of medal honoring John Wayne

Director of the Mint, Stella B. Hackel, announced today that on May 26, 1979, the birthday of John Wayne, the President signed Public Law 95-15. This Act authorizes the Bureau of the Mint to manufacture bronze national medals with the inscription, "John Wayne, American." These medals will be replicas of the gold medal which will be presented to Mr. Wayne by President Carter, on behalf of the U.S. Congress. The U.S. Congress has authorized the specially struck gold medal in recognition of Mr. Wayne's distinguished career as an actor and his service to the Nation.

Director Hackel said the U.S. Mint is working closely with Mr. Wayne and his family to select the obverse and reverse designs of the proposed medal. After review and comment by the National Commission of Fine Arts in Washington, D.C. and final approval by the Secretary of the Treasury, the Mint will proceed with the engraving and design work.

The Mint will be pleased to accept mail orders for the John Wayne bronze medals at this time; however, Mrs. Hackel emphasized that it could take up to 6 months before the replicas are available to the public. Receipt of an order and remittance will not constitute an acceptance. Remittance will be deposited in the Treasury for safekeeping only, pending the availability of the medals.

The John Wayne bronze medals, to be struck in a 3-inch size and in a 1½-inch size, may be ordered by mail or purchased over-the-counter at the U.S. Mint's sales areas at the Philadelphia and Denver Mints, the San Francisco Old Mint, and at the Treasury Department Main Building in Washington, D.C.

The 3-inch medal will sell for \$8 over-the-counter and \$8.30 by mail order, and is number 666 on the Mint's Medal List. The 1½-inch medal will sell for \$1 over-the-counter and \$1.10 by mail order, and is number 667 on the Mint's Medal list. The mail order price includes postage and handling costs. A money order or check payable to the Bureau of the Mint should be sent to the Bureau of the Mint, 55 Mint Street, San Francisco, CA. 94175. If

ordering from another country, remittance should be payable to the Bureau of the Mint either by an International Money Order or a check drawn on a U.S. bank payable in United States currency.

Exhibit 17.—An act to authorize the President of the United States to present on behalf of the Congress a specially struck gold medal to Ben Abruzzo, Maxie Anderson, and Larry Newman

[Public Law 96-20, 96th Congress, S. 348, June 13, 1979]

Ben Abruzzo, Maxie Anderson, and Larry Newman Commemorative medals	<i>Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,</i> That (a) the President of the United States is hereby authorized to present, on behalf of the Congress, to Ben Abruzzo, Maxie Anderson, and Larry Newman, transatlantic balloonists, one gold medal each of appropriate design in recognition of their distinguished feat as aviation pioneers. For such purpose, the Secretary of the Treasury is authorized and directed to cause to be struck three gold medals with suitable emblems, devices, and inscriptions to be determined by the Administrator of the National Aeronautics and Space Administration with the concurrence of the Commission on Fine Arts, subject to the approval of the Secretary of the Treasury. There are authorized to be appropriated not to exceed \$45,000 to carry out the provisions of this subsection.
Appropriation authorization	(b) The Secretary of the Treasury may cause duplicates in bronze of such medal to be coined and sold under such regulations as he may prescribe, at a price sufficient to cover the cost thereof, including labor, materials, dies, use of machinery, overhead expenses, and the cost of the gold medals, and the appropriation used for carrying out the provisions of this subsection shall be reimbursed out of the proceeds of such sale.
Duplicates	(c) The medals provided for in this section are national medals for the purpose of section 3551 of the Revised Statutes (31 U.S.C. 368). Approved June 13, 1979.

Exhibit 18.—An act to authorize the President of the United States to present a gold medal to the widow of Hubert H. Humphrey

[Public Law 96-21, 96th Congress, S. 613, June 13, 1979]

Mrs. Hubert H. Humphrey. Commemorative medal.	<i>Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,</i> That (a) the President is authorized to present in the name of Congress, an appropriate gold medal to Mrs. Hubert H. Humphrey, in recognition of the distinguished and dedicated service which her late husband gave to the Government and to the people of the United States. For such purposes, the Secretary of the Treasury shall cause to be struck a gold medal with suitable emblems, devices, and inscriptions to be determined by the Secretary. There are authorized to be appropriated not to exceed \$15,000 to carry out the provisions of this subsection.
Appropriation authorization.	(b) The Secretary of the Treasury may cause duplicates in bronze of such medal to be coined and sold under such regulations as he may prescribe, at a price sufficient to cover the cost thereof, including labor, materials, dies, use of machinery, overhead expense, and the cost of the gold medals, and
Duplicates.	

the appropriation used for carrying out the provisions of this subsection shall be reimbursed out of the proceeds of such sale.

(c) The medals provided for in this section are national medals for the purpose of section 3551 of the Revised Statutes (31 U.S.C. 368).

Approved June 13, 1979.

Exhibit 19.—Press release, June 21, 1979, concerning continuation of operation of U.S. Assay Office at New York

The Treasury Department announced today that it had completed a reorganization of the New York Assay Office and has determined that the facility will continue in operation until the remaining unrefined bullion is processed, which it is estimated will require 4 or 5 years. The Assay Office is the only Federal facility that still refines gold and silver bullion.

Enhanced security, accountability, and staffing procedures have been implemented. "A spirit of cooperation with the labor force, union officials, largely through the efforts of the Superintendent of the New York Assay Office, has been fostered" stated Robert Carswell, Deputy Secretary of the Treasury. "This has resulted in an extraordinary effort on the part of the employees to reduce costs and thereby save the refining operation."

An updated cost comparison for refining the remaining 16 million ounces of unparted gold bullion at the New York Assay Office has been completed. The Assay Office costs are considerably lower than the best bid received from the private sector. Since the beginning of the fiscal year, substantial progress has been made in reducing costs and increasing productivity. The output of refined gold has increased by more than 25 percent since October 1978. At the same time, the work force has decreased from more than 190 employees to 165 employees by attrition.

The Treasury Department estimates that the increase in productivity will result in a savings of about \$300,000 in fiscal year 1979 and \$400,000 in fiscal year 1980. It is estimated that the remaining unrefined gold bullion will be refined in approximately 5 years and that the refinery will close when the job has been completed. The Treasury Department will carefully monitor production costs and staffing during the remaining years of operation, in order to make certain that the high productivity is maintained.

The Assay Office, situated in lower Manhattan, was established in 1854.

Exhibit 20.—Department of the Treasury Directive, June 21, 1979, on the subject of processing losses in refining operations

1. *Purpose.*—This directive prescribes the limits on the processing losses allowed in the gold and silver refining operations of the Bureau of the Mint.

2. *Scope.*—The provisions of this directive are applicable to the Bureau of the Mint and the Bureau of Government Financial Operations.

3. *Authority.*—Section 207 of the Coinage Act of 1965 (31 U.S.C. 355), authorizes the Secretary of the Treasury to establish limitations on the necessary wastage allowance for the melting and refining operations of the Bureau of the Mint.

4. *Determination of processing losses.*—Based on technological studies and surveys conducted by the Mint, it is determined that a limit of nine hundred fine troy ounces of gold loss per one million fine troy ounces of gold refined represents an acceptable limit on the processing losses incurred by the Mint. It is similarly determined that the limit of fifteen hundred fine troy ounces of silver loss per one million fine troy ounces of silver refined is an acceptable limit on the processing losses incurred by the Mint. Within these limits, bona fide industrial losses sustained by the Bureau of the Mint in its refining operations will not be

charged against the appropriation of the Mint but will represent a reduction in the monetary assets of the United States Government.

5. *Annual reevaluation.*—After each annual settlement, the Bureau of the Mint will reevaluate the limits and report to the Under Secretary the results of its findings together with any recommended change in the limits.

6. *Office of primary interest.*—Office of Technology, Bureau of the Mint.

ROBERT CARSWELL,
Deputy Secretary of the Treasury.

Exhibit 21.—Press release, July 5 1979, concerning mint mark plans for calendar year 1980

Stella B. Hackel, Director of the U.S. Mint, announced today that for the first time in history, a “P” mint mark will be placed on the 10-cent, quarter-dollar and half-dollar coins produced by the Philadelphia Mint in 1980, in addition to the 5-cent coin, on which the “P” mint mark first appeared during the war years 1942–45. Susan B. Anthony dollar coins produced at Philadelphia in 1980 will continue to bear the “P” mint mark.

Mrs. Hackel said, “The introduction of the ‘P’ mint mark on the four different denominations will provide for the public the coinage production source of the circulating coins minted at the Philadelphia, Denver, and San Francisco Mints.”

In 1980, 1-cent coins produced for circulation in Philadelphia, Denver, San Francisco, and the West Point Bullion Depository will bear no mint marks. At present there is considerable withdrawal from circulation by collectors of “D” marked 1-cent coins. Elimination of any distinction among coins struck at the four Mint locations should increase the circulating 1-cent pool.

With the exception of the 1-cent coins, the “D” mint mark will continue to appear on all other denominations struck at Denver.

All proof coins, including the proof 1-cent coin, and the Susan B. Anthony \$1 coins produced for circulation by the San Francisco Assay Office will bear the “S” mint mark.

Exhibit 22.—Press release, August 6, 1979, containing responses by the Director of the Mint to questions about the Anthony dollar coin

Mrs. Stella B. Hackel, Director of the Mint, responded today to some of the most frequently asked questions about the Susan B. Anthony dollar coin which was released on July 2. The questions with her responses follow:

Why a resized dollar coin?

The \$1 coin has been resized to make it a more widely circulated and convenient means of exchange for consumers and business establishments. Studies conducted for the Mint indicated that the size of the Eisenhower dollar was cumbersome and inconvenient for the public to carry and use in daily transactions for goods and services.

In addition to making the \$1 coin more convenient to use with its new size, a second objective of the new coin is to help alleviate the demand for \$1 bills and realize cost savings through reductions in printing, processing, and destruction costs associated with the \$1 bills.

The new \$1 coin which costs 3 cents to produce can circulate 15 years or more in good condition. A paper bill costs 2 cents to produce but lasts only 18 months at best and must then be withdrawn from the system, destroyed, and replaced by a new bill.

The Federal Reserve estimates that savings can reach as high as \$50 million per year if the coin is substituted for the bill.

How was the size of the new dollar determined?

A Mint survey of world coins indicated that in order to provide a \$1 coin that would circulate, the weight would have to be less than 9 grams. To provide sufficient thickness of coinability and at the same time be distinguishable from the quarter (which is 24.2mm. in diameter), a range of diameters from 26.0 to 28.0mm. was acceptable for production. The size of the Anthony dollar is 26.5mm. in diameter. This size was selected so that the \$1 coin could be distinguished from other low value foreign coins by automated counting, sorting, and vending machines.

The coin's relationship to the quarter is the same as the ratio between the quarter and the nickel. In addition, the new \$1 is 43 percent heavier than the quarter.

In responding to this question, Mrs. Hackel said that the growing public familiarity with the \$1 coin will help alleviate reservations that the dollar may be mistaken for a quarter. Eventually it should take no longer to identify the \$1 coin than it does to distinguish a \$1 bill from a \$5 bill or a \$10 bill, which are all the same size and color, she added.

Why wasn't the dollar made a different color?

Extensive testing was done on brass-colored materials bonded to a copper core. Unfortunately, only the silver-colored cupronickel clad on copper alloy satisfied the necessary physical requirements to prevent slugging of vending machines and, at the same time, retained an acceptable appearance. The copper-zinc and copper-aluminum-nickel alloys which were tested deviated from their original brass color to various shades of yellow-green after a period of months of handling.

Why wasn't the dollar multisided rather than round?

The Mint conducted extensive experiments for the development of a multisided rather than a circular \$1 coin. While such a shape would clearly have made the new coin unique in our coinage system, technical considerations compelled the Mint to reject that alternative.

The dollar coin does have an 11-sided inner border within the outer circle of the coin. This design feature does visually distinguish the \$1 from other U.S. denominations.

How can the visually impaired distinguish the dollar from the quarter?

The high relief of the top of the eagle's head and wings on the reverse of the dollar coin is tactilely detected. No comparable area of high relief exists on either side of the quarter. This feature together with the difference in diameter and weight should make the coin distinguishable.

In publicly responding to these inquiries, the Director said that the widespread use of the new \$1 would result in a more economical monetary system to both the Federal Government and to private industry. Mrs. Hackel added that because of the potential savings which would result from increased use of the \$1 coin, the Treasury and Federal Reserve System have initiated a study to consider the various implications of substituting the \$1 coin for the \$1 bill. Present plans call for the production of both, she said. After ample supplies of the new \$1 coin are available, public acceptance measured, and the study completed, continued production of both will be reappraised with an eye toward the feasibility of eventual replacement of the \$1 bill with the \$1 coin.

Exhibit 23.—Press release, August 22, 1979, concerning acceptance of orders for 1979 uncirculated coin sets

Mrs. Stella B. Hackel, Director of the Mint, today announced that the U.S. Mint will begin accepting orders for the 1979 uncirculated coin sets September 4, 1979, at a price of \$8 per set, which includes postage, fees, and handling. There is a limit of five sets per customer, and all orders should be submitted to: Bureau of the Mint, 55 Mint Street, San Francisco, CA 94175.

The 1979 uncirculated coin sets will contain one of each cupronickel clad Susan B. Anthony dollar, Kennedy half dollar, Washington quarter, Roosevelt dime, Jefferson nickel, and Lincoln cent manufactured for general circulation at the Denver and

Philadelphia Mints. All the Denver coins have a "D" Mint mark, and the Susan B. Anthony dollar manufactured at the Philadelphia Mint will have a "P" Mint mark. The Denver coins are sealed in polyester film with red stripes and the Philadelphia coins are sealed in blue-striped polyester film. Both packets are inserted in a presentation envelope.

The Anthony dollar will not be sold separately either in proof or uncirculated condition. The San Francisco circulating Anthony dollar will not be included in the uncirculated coin sets inasmuch as the packaging material for the sets had to be ordered far in advance of passage of the Susan B. Anthony dollar legislation.

The 1979 sets will be produced and mailed through December 31, 1979. Orders are processed as closely as possible to their order of receipt. However, the vast majority are received within the first month of the ordering period. If an order is not in the first group to be mailed, a customer will receive an acknowledgment card indicating an order number and the expected date of delivery. An order number is also indicated on a customer's canceled remittance.

Mrs. Hackel emphasized that acceptance of orders for the 1979 uncirculated coin sets is conditioned upon the Mint's production capability to meet the demand. Although the Mint anticipates accepting orders through October 31, 1979, an earlier cutoff date will be announced if orders for the sets exceed the Mint's production capability. Therefore, it is suggested that orders be mailed as promptly as possible. If a cutoff date occurs earlier than October 31, it will be necessary to return all orders received after the cutoff date. Orders are not cancelable by the purchaser.

Exhibit 24.—Press release, September 6, 1979, concerning retention of "D" mint mark on 1980 cent

In response to comments received from the general public and in deference to the judgment of numismatic collectors, the Director of the U.S. Mint, Stella B. Hackel, today announced that 1-cent coins produced at the Denver Mint will continue to bear the "D" Mint mark. "The Bureau of the Mint had planned to eliminate the 'D' Mint mark from 1-cent coins minted at Denver to reduce attrition of 1-cent coins in the market place. After thorough reconsideration, however, we found that such action was not essential at this time," Mrs. Hackel said.

As in the past, all coins struck at the Denver Mint will continue to have the "D" mark. Circulating 1-cent coins minted at the West Point Bullion Depository, the Philadelphia Mint, and the San Francisco Assay Office will continue, as in the past, to be struck without mint marks.

All proof coins struck at the San Francisco Assay Office will bear the "S" Mint mark. In 1980, for the first time, all U.S. coins produced in Philadelphia, except the 1-cent piece, will carry the "P" Mint mark.

Exhibit 25.—Press release, September 17, 1979, announcing termination of Bulk Rate Bicentennial Uncirculated Coin Set Program

Mrs. Stella B. Hackel, Director of the Mint, announced that the Mint stopped accepting orders for the Bulk Rate Bicentennial Uncirculated Coin Set Program today, Monday, September 17, 1979.

"The termination of the Bulk Rate Program was necessary," she said, "because of the increase in the price of silver which has caused the value of the silver in the three 40-percent silver coins contained in the set to exceed the sales price of \$7 per set when purchased in lots of 50 sets."

Mrs. Hackel indicated that those orders which had been received by the close of business at the San Francisco Old Mint on September 17, 1979 would be processed. "Any orders received after that date," she said, "would be returned."

The Bulk Rate Program for the Bicentennial Uncirculated Coin Sets was designed to respond to Congress' mandate to make sets of the three 40-percent silver Bicentennial coins available to the greatest number of Americans. Under this program, lots of 50 Bicentennial Uncirculated Coin Sets could be purchased at \$7 per set. These sets sell for \$9 each when ordered by mail from the Mint in lesser quantities. The lower price represented a \$2 per set savings in order processing, packaging, postage, and registry fees. In September 1975, when the program was introduced, a large number of the Nation's financial institutions purchased several hundred sets for resale to their customers. Approximately 2½ million sets were sold through this program.

Mrs. Hackel added that individuals could still order the Bicentennial Uncirculated Coin Sets as well as the Bicentennial Proof Coin Sets from the San Francisco Old Mint. The Uncirculated Coin Sets sell for \$9 each; the Proof Sets sell for \$12 each. Each of these sets contain the dollar, half dollar, and quarter dollar with the reverse designs symbolic of the Bicentennial celebration and the double date "1776-1976" on the coin's obverse. Orders for both types of Bicentennial Coin Sets should be mailed to the Bureau of the Mint, 55 Mint Street, San Francisco, CA. 94175.

Exhibit 26.—Treasury Task Force Report, September 1979, on Currency and Coin Issues

George A. Valaika,
Office of the Under Secretary of the Treasury;

Peter H. Daly,
Assistant to the Director,
Bureau of Engraving and Printing;

Dr. Alan J. Goldman,
Assistant Director for Technology,
Bureau of the Mint;

Francis Frere,
Assistant Director for Marketing
and Statistical Services,
Bureau of the Mint;

James Stull,
Manager,
Cash, Food Coupons and Mail,
Board of Governors of the Federal Reserve System.

Executive Summary

Introduction

Currency and coinage are perhaps the most ubiquitous of Government services. Yet, while continuing interest is paid to the mystique of money, surprisingly little attention has been paid to the critical functional role which paper and metal currencies of the United States play as media of commercial exchange and stores of value. Accordingly, the purpose of this paper is to assess the adequacy of our existing cash system, and to provide a strategy for its accommodation to likely future changes in cash use patterns.

It is the policy of Treasury to provide currency and coin in the form and denominational mix which best balances the factors of commercial need, individual preference, and Government cost avoidance. While these factors are most often complementary, there are areas of potential competition which can be best resolved through effective planning. This paper, therefore, should be viewed and used as a working document in the continuing formulation of currency and coinage policy.

In order to evaluate the commercial feasibility of our findings and recommendations, this paper was sent to 20 major banks, business firms, and associations for review and comment. A list of all organizations is attached, along with a representative sample of responses. All comments have been incorporated as appropriate.

Summary of Findings

1. There has been a steady long-term trend of growth in the Nation's use of cash. Currency and coin in circulation today constitute a larger portion of the basic money supply (M_1) than it did when the century began, in spite of the vast impact which checks and credit cards have had on the pattern of consumer expenditure.
2. There is a clearly evident relationship between the long-range trend of economic growth in the United States and the steadily increasing size of the Nation's currency stock. Although the average denomination of currency in circulation has remained fairly stable since the end of World War II despite the variety of economic fluctuations and other significant events that occurred during that period, the last 10 years have seen a significant increase in the average, due in large part to an increase in the quantity of \$50 and \$100 bills in circulation. However, the long term has shown no dramatic shift in the denominational mix within the U.S. cash system. Thus, long-term growth in prices and income increases the amount of cash required, but does not seem to dramatically alter the denominational mix which reflects the basic ways in which individuals tend to use cash. On a year-to-year basis, there is no useful correlation between the inflation rate and changes in per capita amounts of cash in circulation.
3. Price level of the transaction is the overriding determinant of an individual's decision to use or not to use cash. Ninety-five percent of all transactions under \$10 are currently handled with cash, and this is also reflected in the fact that between 97 percent and 98 percent of all new currency notes produced each year are in the \$20 denomination and below, with between 55 percent and 60 percent being \$1 bills.

We live in a convenience cash society where the enduring utility of currency and coin as a favored medium of exchange in lower value purchases comes from its ready availability and immediate ease of handling.

4. The velocities and life cycles of coins and currency notes are functions of their face values, and accurately reflect the macro level pattern of cash use. Generally, the lower the denomination, the higher its velocity and the shorter its life.
5. While coins are totally consumed in domestic use, there is a significant demand for U.S. currency outside the country. One major factor of foreign demand is the use of U.S. currency as a commodity in the international bank note market. The U.S. dollar is by far the most actively traded currency among banks throughout western and eastern Europe, the Middle East, Asia, Africa, and Latin America. All denominations are involved but clearly \$100 notes are the most popular due to their lower cost of shipping.

Another, more problematic, concern is the concealed shipment of U.S. currency abroad for tax evasion or illicit transactions such as narcotics trade, particularly in the \$50 and \$100 denominations.

6. There has never been pressure exerted from the business community or the general public for a change in our cash system, and any changes that have occurred have been

initiated by the Government. These changes have generally been prompted by costs associated with the production and circulation of cash.

7. The costs of having a cash system do not vary linearly with the usage of cash for payments. Some cash components (such as bill production, distribution, cleaning, processing, and destruction) are linear with use; but other significant components (such as protection systems—safes, vaults, armored cars, etc.) are not. Accordingly, a sharp decrease in the use of cash might lead to a rather small reduction in the overall social costs of our cash system.
8. The same features of cash which tend to sustain its popularity also present certain problems. Although counterfeiting, criminal uses, and the monetary impact of cash have not been of sufficient magnitude in the United States to stagnate continuing long-term growth in the public's need for cash, they are serious concerns that continually have to be dealt with.
9. Since neither the Treasury nor the Federal Reserve System has made any effort to regulate the size and makeup of the Nation's coin and currency stocks, use and growth patterns represent natural demand. Thus, the adequacy of our existing cash system is basically assured by its strong demand orientation.
10. In forecasting cash requirements over the next 20 years, two major mitigating influences must be considered: the growth of noncurrency transaction media, and changes in personal or business cash use patterns. However, considering the historical use of cash, its perception by the public, and the costs of any change to the system; there is no foreseeable force which is likely to abate the steady growth in overall demand for cash.

Recommendations

One-cent coin.—Although commodity prices are difficult to predict with accuracy, it is not anticipated that the price of copper will cause the cent production costs to exceed the face value within the next 3 to 5 years. Change to a less costly material appears to be the best solution to the potential long-range problem of escalating copper prices.

When the price of copper exceeds \$1.15 per pound, legislation should be sought to give the Secretary of the Treasury authority to change the alloy of the 1-cent coin from a copper to a lower cost material such as an aluminum alloy, zinc alloy, or a plated steel.

A change in the 1-cent alloy from a copper to an aluminum alloy would reduce the manufacturing cost by more than 50 percent. Since the Mint currently manufactures approximately 10 billion 1-cent coins at a cost of approximately $\frac{7}{10}$ of a cent per coin, more than \$35 million per year would be saved by the Treasury Department. There is an additional possibility that there would be less hoarding of lighter weight, cheaper aluminum coins. As a result, cent demand might level off, resulting in additional savings. The savings resulting from a change to a zinc alloy or a coated steel would be substantial, but not as great as if an aluminum alloy were used.

Half-dollar coin.—The half dollar has not been a useful circulating coin because of its cumbersome size and weight. Demand for half-dollar coins accounts for approximately 1 percent of the total U.S. coinage demand. The Task Force feels that since this denomination does not serve a useful commercial purpose, it should be eliminated from the system of circulating coins. It costs the Bureau of the Mint approximately \$6 million to produce the annual numismatic demand of 100–150 million half dollars. Consideration could be given to striking a half dollar and selling it as a numismatic item so that the Treasury Department is reimbursed for the costs of production.

Dollar coin.—An extensive circulation campaign has been developed for the new Susan B. Anthony Dollar Coin issued in July 1979. The Task Force strongly supports this plan and urges that every effort be made to achieve widespread circulation of the new small \$1 coin.

\$1 note.—The Task Force recommends that a plan be developed which would systematically effect a displacement of \$1 bills with new \$1 coins and later by \$2 bills. This plan should be jointly developed and supported by the Federal Reserve System and the Treasury Department. Without a mutual energetic commitment, the displacement process will stagnate, and—as with the \$2 bill—will have no impact on the production volumes or total system costs generated by the steady demand for \$1 bills.

Additionally, the Task Force strongly recommends the expeditious movement of legislation to Congress, changing the printing of the backs of \$1 notes from the intaglio process to offset lithography because of the inherent cost savings. Attendant to that change are concerns about the possible decline in counterfeit deterrence resulting from use of a nonintaglio printing process, and a possible deterioration in the overall image of U.S. currency. In fact, the print quality of the intaglio face of the notes will actually sharpen by using an alternative means to print the backs because the paper is not subjected to as much abuse in the printing process.

The \$100 and \$50 bills.—Based on the research and conclusions presented in this paper, we recommend that a study be conducted of the use patterns of \$100 and \$50 bills. Surprisingly little is known about these large denomination notes other than that their value comprises a highly significant proportion of the total value of U.S. currency stocks. A better understanding of their demand origins, circulation patterns, and legitimate uses will enable a realistic assessment of their utility as a part of the overall U. S. currency system, and would greatly assist law enforcement authorities in their concern over high volume domestic and foreign currency movements related to drug trade, tax evasion, or other illicit purposes.

While undertaken as part of the Task Force's ongoing responsibilities in this area, the study should be conducted by an ad hoc subgroup composed of representatives from the Office of the Deputy Assistant Secretary for Enforcement, the Office of Monetary Affairs, the Internal Revenue Service, the Bureau of Engraving and Printing, and the Federal Reserve System.

Material changes in note production.—Basic research is continuing into the creation of a feasible plastic-like substance upon which currency notes can be printed. The development of such a secure substance could dramatically increase the circulation life of lower value currency notes, and enhance their utility in vending type equipment. We recommend that research be intensified in this area, and that a formal project be established to technically assess the alternatives involved.

Counterfeit protection.—The recently formed Steering Committee of United States, Canadian, and British representatives will explore this issue in depth. Accordingly, no special recommendation is made here other than to review the recommendations made by the Committee and to incorporate the appropriate policy determinations into this plan.

Conclusion.—As the nature of these recommendations indicate, we believe that the currency and coinage systems of the United States remain effectively stable and sound. The adjustments proposed here have more to do with achieving governmental economies and facilitating law enforcement than with correcting any serious deficiencies in the systems themselves. Accordingly, drastic measures such as currency recalls and wash outs, which are periodically employed by other nations to resolve high magnitude problems with counterfeiting, hoarding, or currency exports, are not required. However, because of the need to balance public and private interests in this area, careful assessment should be made of the cost, business or personal practice, legal and political impacts of these proposals before they are adopted as points of policy.

TABLES

Tables

TABLE 1.—U.S. coins manufactured, fiscal year 1979

[For metallic composition see table 4]

I. SUMMARY

Denomination	General circulation		Numismatic ¹		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel	* 681,995,696	\$681,995,696.00	2,861,993	\$2,861,993.00	684,857,689	\$684,857,689.00
Silver clad			203,365	203,365.00	203,365	203,365.00
50 cents:						
Cupronickel	51,524,299	\$25,762,149.50	2,861,993	1,430,996.50	54,386,292	27,193,146.00
Silver clad			203,365	101,682.50	203,365	101,682.50
25 cents:						
Cupronickel	* 921,449,652	230,362,413.00	2,861,993	715,498.25	924,311,645	231,077,911.25
Silver clad			203,365	50,841.25	203,365	50,841.25
10 cents	626,170,040	62,617,004.00	2,861,993	286,199.30	629,032,033	62,903,203.30
5 cents	761,213,280	38,060,664.00	2,861,993	143,099.65	764,075,273	38,203,763.65
1 cent	* 10,585,690,900	105,856,909.00	2,861,993	28,619.93	10,588,552,893	105,885,528.93
Total	13,628,043,867	1,144,654,835.50	17,782,053	5,822,295.38	13,645,825,920	1,150,477,130.88

II. NUMBER AND FACE VALUE OF COINS PRODUCED, PHILADELPHIA AND DENVER MINTS²

Denomination	Philadelphia Mint		Denver Mint		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel	318,432,000	\$318,432,000.00	264,529,696	\$264,529,696.00	582,961,696	\$582,961,696.00
50 cents	42,832,000	21,416,000.00	8,692,299	4,346,149.50	51,524,299	25,762,149.50
25 cents	* 494,256,000	123,564,000.00	427,193,652	106,798,413.00	921,449,652	230,362,413.00
10 cents	316,650,000	31,665,000.00	309,520,040	30,952,004.00	626,170,040	62,617,004.00
5 cents	434,792,000	21,739,600.00	326,421,280	16,321,064.00	761,213,280	38,060,664.00
1 cent	* 5,483,655,000	54,836,550.00	4,215,105,900	42,151,059.00	9,698,760,900	96,987,609.00
Total... ³	* 7,090,617,000	571,653,150.00	5,551,462,867	465,098,385.50	12,642,079,867	1,036,751,535.50

III. NUMBER AND FACE VALUE OF COINS PRODUCED, SAN FRANCISCO ASSAY OFFICE

Denomination	General circulation		Numismatic		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel	99,034,000	\$99,034,000.00	2,861,993	\$2,861,993.00	101,895,993	\$101,895,993.00
Silver clad			203,365	203,365.00	203,365	203,365.00
50 cents:						
Cupronickel			2,861,993	1,430,996.50	2,861,993	1,430,996.50
Silver clad			203,365	101,682.50	203,365	101,682.50
25 cents:						
Cupronickel			2,861,993	715,498.25	2,861,993	715,498.25
Silver clad			203,365	50,841.25	203,365	50,841.25
10 cents			2,861,993	286,199.30	2,861,993	286,199.30
5 cents			2,861,993	143,099.65	2,861,993	143,099.65
1 cent	886,930,000	8,869,300.00	2,861,993	28,619.93	889,791,993	8,897,919.93
Total	985,964,000	107,903,300.00	17,782,053	5,822,295.38	1,003,746,053	113,725,595.38

¹ All numismatic coins were manufactured at the U.S. Assay Office, San Francisco, and included 1,077,232 1978 proof sets, 1,784,761 1979 proof sets, 71,607 Bicentennial proof sets, and 131,758 Bicentennial uncirculated sets.

² Consists of 33,500,890 Eisenhower dollars, dated 1978, and 648,494,806 Susan B. Anthony dollars, dated 1979.

³ Includes 29,472,000 quarter dollars produced at the U.S. Bullion Depository, West Point.

⁴ Includes 1,649,850,000 1-cent coins produced at the U.S. Bullion Depository at West Point.

⁵ For general circulation.

NOTE.—The manufacture of Bicentennial coins was discontinued on Dec. 31, 1976, however, silver-clad sets continued to be packaged and sold after that date. Such coins reported in this table constitute those sets sold during fiscal year 1979.

TABLE 2.—*Subsidiary clad coins manufactured under the Coinage Act of 1965, 1972–September 1979*

Calendar year or month	Number of pieces			
	Half dollars	Quarter dollars	Dimes	Total subsidiary coinage
1972 ¹	298,337,667	529,383,399	765,097,667	1,592,818,733
1973 ²	150,905,024	582,671,024	773,472,050	1,507,048,098
1974 ³	193,848,350	587,286,350	1,043,948,350	1,825,083,050
1975 ⁴	475,946,493	1,394,516,493	902,288,569	2,772,751,555
1976 ⁵	149,952,590	859,928,181	1,268,132,504	2,278,013,275
1977 ⁶	78,517,660	728,551,532	1,176,788,380	1,983,857,572
Total 1972–77	1,347,507,784	4,682,336,979	5,929,727,520	11,959,572,283
1978:				
January	4,517,616	44,241,616	65,600,004	114,359,236
February	4,403,254	49,685,254	71,999,002	126,087,510
March	4,500,603	78,136,603	76,540,000	159,177,206
April	3,065,647	60,299,647	89,898,000	153,263,294
May	4,841,077	61,097,077	104,082,874	170,021,028
June	7,999,685	53,411,685	84,662,891	146,074,261
Subtotal Jan.–June 1978	29,327,882	346,871,882	492,782,771	868,982,535
July	235,763	48,467,763	56,750,389	105,453,915
August	66,705	101,142,705	100,475,293	201,684,703
September	219,107	79,435,107	83,305,503	162,959,717
October	577,832	75,069,832	87,775,832	163,423,496
November	417,825	93,141,825	66,197,825	159,757,475
December	482,708	67,908,061	62,696,449	131,087,218
Subtotal July–Dec. 1978	1,999,940	465,165,293	457,201,291	924,366,524
Total Jan.–Dec. 1978 ⁷	31,327,822	812,037,175	949,984,062	1,793,349,059
1979:				
January	10,576,933	59,666,933	30,512,933	100,756,799
February	8,397,718	46,199,718	33,183,718	87,781,154
March	5,590,665	53,040,665	50,284,665	108,915,995
April	15,046,122	108,892,122	50,502,122	174,440,366
May	4,531,924	94,967,924	50,847,924	150,347,772
June	24,690	56,562,690	17,604,690	74,192,070
Subtotal Jan.–June 1979 ⁸	44,168,052	419,330,052	232,936,052	696,434,156
July	1,565,513	57,671,513	39,971,513	99,208,539
August	3,459,010	113,809,010	72,549,010	189,817,030
September	3,918,717	97,674,717	67,158,717	168,752,151
Subtotal July–Sept. 1979 ⁹	8,943,240	269,155,240	179,679,240	457,777,720
Cumulative total	1,431,946,898	6,182,859,446	7,292,326,874	14,907,133,218

¹ Includes 3,267,667 proof coin sets, i.e., 3,267,667 coins of each denomination (9,803,001 subsidiary coins).

² Includes 2,769,624 proof sets, i.e., 2,769,624 coins of each denomination (8,309,872 subsidiary coins).

³ Includes 2,617,350 proof sets, i.e., 2,617,350 coins of each denomination (7,852,050 subsidiary coins).

⁴ Includes 2,909,369 regular proof coin sets, i.e., 2,909,369 coins of each denomination (8,728,107 subsidiary coins); 2,250,302 Bicentennial proof 40-percent silver-clad half dollars and quarters and 2,841,522 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.

⁵ Includes 4,149,730 regular proof sets, i.e., 4,149,730 coins of each denomination (12,449,190 subsidiary coins); 1,045,412 Bicentennial proof 40-percent silver-clad half dollars and quarters; and 1,398,200 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.

⁶ Includes 3,251,152 regular proof sets, i.e., 3,251,152 coins of each denomination (9,753,456 subsidiary coins); 148,608 Bicentennial proof 40-percent silver-clad half dollars and quarters; and 70,794 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.

⁷ Includes 3,127,781 regular proof sets, i.e., 3,127,781 coins of each denomination (9,383,343 subsidiary coins); 59,910 Bicentennial proof 40-percent silver-clad half dollars and quarters; and 12,293 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.

⁸ Includes 513 regular proof sets, i.e., 513 coins of each denomination (1,539 subsidiary coins); 19,813 Bicentennial proof 40-percent silver-clad half dollars and quarters; and 2,608 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.

⁹ Includes 1,784,255 regular proof sets, i.e., 1,784,255 coins of each denomination (5,352,765 subsidiary coins); 59,910 Bicentennial 40-percent silver proof half dollars and quarters and 24,332 Bicentennial uncirculated 40-percent silver clad half dollars and quarters.

NOTE.—All special mint and proof coins from 1972 through September 1979 were manufactured at the San Francisco Assay Office. See also note to table 1.

TABLE 3.—Production of Kennedy half dollars, fiscal years 1964–79

[Number of pieces]

Fiscal year	For general circulation				Proof and Special Mint coins ⁴	Total
	90 percent silver ¹	40 percent silver ²	Nonsilver clad ³	Total		
1964.....	91,851,612			91,851,612	1,864,859	93,716,471
1965.....	192,536,358			192,536,358	2,085,903	194,622,261
1966.....	145,121,480	54,533,338		199,654,818	2,350,000	202,004,818
1967.....		300,476,355		300,476,355	2,968,734	303,445,089
1968.....		307,314,000		307,314,000	2,438,263	309,752,263
1969.....		100,011,930		100,011,930	3,468,945	103,480,875
1970.....		79,787,800		79,787,800	2,435,255	82,223,055
1971.....		⁵ 2,150,000	278,909,904	281,059,904	⁶ 3,175,571	284,235,475
1972.....			352,933,520	352,933,520	2,545,587	355,479,107
1973.....			215,687,700	215,687,700	3,018,002	218,705,702
1974.....			126,573,600	126,573,600	3,241,388	129,814,988
1975.....			407,663,100	407,663,100	⁷ 1,332,139	408,995,239
1976.....			292,109,349	292,109,349	⁸ 11,314,955	303,424,304
July–Sept. 1976			51,200	51,200	⁹ 1,440,637	1,491,837
1977.....			98,275,999	98,275,999	¹⁰ 4,185,601	102,461,600
1978.....			33,588,506	33,588,506	¹¹ 3,228,723	36,817,229
1979.....			51,524,299	51,524,299	¹² 3,065,358	54,589,657
Total.....	429,509,450	844,273,423	1,857,317,177	3,131,100,050	54,159,920	3,185,259,970

¹ Composition of coins was 900 parts silver and 100 parts copper.² 3-layer composite coin: outer cladding 800 parts silver, 200 parts copper bonded to a core of approximately 209 parts silver, 791 parts copper. The average silver content was 40 percent of the standard gross weight.³ Outer cladding 75 percent copper, 25 percent nickel, bonded to a core of pure copper.⁴ Available only in sets.⁵ Produced for inclusion in uncirculated sets with overrun for replacement of lost sets.⁶ Consists of 1,432,678 coins of 40 percent silver and 1,742,893 nonsilver clad coins.⁷ Consists of 1,330,909 1974-dated nonsilver clad coins, 34 Bicentennial nonsilver clad coins, and 1,196 Bicentennial 40-percent silver clad coins.⁸ Consists of 4,626,623 Bicentennial nonsilver clad coins and 6,688,332 Bicentennial 40-percent silver clad coins.⁹ Consists of 850,183 Bicentennial nonsilver clad coins and 590,454 Bicentennial 40-percent silver clad coins.¹⁰ Consists of 2,204,893 1977 dated nonsilver clad coins, 1,582,259 Bicentennial nonsilver clad coins, and 398,449 Bicentennial 40-percent silver clad coins.¹¹ Consists of 3,096,815 nonsilver clad coins and 131,908 Bicentennial 40-percent silver clad coins.¹² Consists of 2,861,993 nonsilver clad coins and 203,365 Bicentennial 40-percent silver clad coins.**TABLE 4.—Specifications, metallic composition, and designs of U.S. coins**

SPECIFICATIONS

Denomination	Face value	Shape of coins	Type of edge	Diameter		Thickness		Standard gross weight	
				Inches	Milli- meters	Inches	Milli- meters	Grains	Grams
Dollar: ¹									
Silver clad ^{2 3}	1 dollar	Round	Milled..	1.500	38.10	0.100	2.54	379.51	24.592
Cupronickel ⁴	do	do	do	1.500	38.10	.100	2.54	350.00	22.680
Do ⁵	do	do	do	1.040	26.50	.080	2.00	125.00	8.100
Half dollar:									
Silver clad ³	50 cents	do	do	1.205	30.61	.086	2.18	177.50	11.500
Cupronickel.....	do	do	do	1.205	30.61	.086	2.18	175.00	11.340
Quarter dollar:									
Silver clad ³	25 cents	do	do	.955	24.26	.067	1.70	88.73	5.750
Cupronickel.....	do	do	do	.955	24.26	.067	1.70	87.50	5.670
Dime.....	10 cents	do	do	.705	17.91	.053	1.35	35.00	2.268
5-cent piece.....	5 cents	do	Smooth	.835	21.21	.078	1.98	77.16	5.000
1-cent piece.....	1 cent	do	do	.750	19.05	.062	1.57	48.00	3.110

Footnotes at end of table.

TABLE 4.—*Specifications, metallic composition, and designs of U.S. coins—Continued*

METALLIC COMPOSITION

Denomination	Type	Proportions of metals
Dollar:		
Silver clad ^{2 3}	3-layer composite.....	Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approximately 209 parts silver and 791 parts copper.
Cupronickel ^{4 5}	do.....	Outer cladding 75 percent copper, 25 percent nickel, bonded to a core of pure copper.
Half dollar:		
Silver clad ³	do.....	Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approximately 209 parts silver and 791 parts copper.
Cupronickel.....	do.....	Outer cladding 75 percent copper, 25 percent nickel, bonded to a core of pure copper.
Quarter dollar:		
Silver clad ³	do.....	Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approximately 209 parts silver and 791 parts copper.
Cupronickel.....	do.....	Outer cladding 75 percent copper, 25 percent nickel, bonded to a core of pure copper.
Dime.....	do.....	do.
5-cent piece.....	Homogeneous alloy.....	75 percent copper, 25 percent nickel.
1-cent piece.....	do.....	95 percent copper, 5 percent zinc.

DESIGNS ON COINS*

Denomination	Portraits on obverse	Reverse	First coined	First issued
Dollar:				
Regular.....	Dwight D. Eisenhower.	Eagle symbolic of the Apollo 11 Moon landing.	June 1971.....	November 1971.
Do ⁵	Susan B. Anthony.....	do.....	January 1979.....	July 1979
Bicentennial ³	Dwight D. Eisenhower.	Liberty Bell overlapping Moon.	March 1975.....	October 1975.
Half dollar:				
Regular.....	John F. Kennedy.....	Presidential coat of arms.	February 1964.....	March 1964.
Bicentennial ³	do.....	Independence Hall.....	April 1975.....	July 1975.
Quarter dollar:				
Regular.....	George Washington.....	Eagle.....	April 1932.....	August 1932.
Bicentennial ³	do.....	Colonial drummer.....	May 1975.....	August 1975.
Dime.....	Franklin D. Roosevelt..	Torch of Liberty.....	January 1946.....	January 1946.
5-cent piece.....	Thomas Jefferson.....	Monticello.....	October 1938.....	November 1938.
1-cent piece.....	Abraham Lincoln ⁷	Lincoln Memorial ⁷	January 1959.....	January 1959.

¹ Amendments to the Coinage Act of 1965, Public Law 91-607, Dec. 31, 1970, authorized the Secretary of the Treasury to mint dollar coins.

² Public Law 91-607, authorized the Secretary of the Treasury to mint and issue not more than 150,000,000 silver-clad dollars. These numismatic coins were first released in August 1971.

³ Public Law 93-127, Oct. 18, 1973, authorized the Secretary of the Treasury to mint dollar, half-dollar, and quarter-dollar coins with designs on the reverse emblematic of the Bicentennial of the American Revolution. This law provided that these coins could be produced but not issued prior to July 4, 1975. The same legislation authorized the Secretary of the Treasury to mint 45,000,000 silver-clad coins (of the 150,000,000 authorized under the act of Dec. 31, 1970) of the same designs for inclusion in special 3-coin proof and uncirculated sets. Production of Bicentennial coins was discontinued on Dec. 31, 1976.

⁴ Dollars for general circulation were authorized by Public Law 91-607, and were first manufactured and issued during fiscal 1972. Coins with identical characteristics were made in proof quality for inclusion in proof coin sets beginning in January 1973.

⁵ The Susan B. Anthony dollar was authorized by Public Law 95-447, Oct. 10, 1978.

⁶ The design of a U.S. coin may not be changed more frequently than once in 25 years, except by act of Congress.

⁷ The Abraham Lincoln 1-cent piece with wheat wreath design on the reverse was coined from June 1909 through December 1958.

TABLE 5.—Consumption of metals in the manufacture of U.S. coins, fiscal year 1979

[Based on standard weight of individual coins. See table 4]

Denomination	Metallic content — short tons				
	Silver	Copper	Nickel	Zinc	Total
Dollars:					
Regular issue:					
Eisenhower		767.77	69.77		837.54
Susan B. Anthony		5,066.45	723.78		5,790.23
Numismatic:					
Cupronickel:					
Eisenhower		24.69	2.24		26.93
Susan B. Anthony		13.95	1.99		15.94
Silver clad	2.20	3.31			5.51
Total	2.20	5,876.17	797.78		6,676.15
Half dollars:					
Regular issue		590.41	53.65		644.06
Numismatic:					
Cupronickel		32.80	2.98		35.78
Silver clad	1.03	1.55			2.58
Total	1.03	624.76	56.63		682.42
Quarter dollars:					
Regular issue		5,279.42	479.74		5,759.16
Numismatic:					
Cupronickel		16.40	1.49		17.89
Silver clad	.52	.77			1.29
Total	.52	5,296.59	481.23		5,778.34
Dimes:					
Regular issue		1,435.05	130.40		1,565.45
Proof coins		6.56	.60		7.16
Total		1,441.61	131.00		1,572.61
5-cent pieces:					
Regular issue		3,146.60	1,048.87		4,195.47
Proof coins		11.83	3.94		15.77
Total		3,158.43	1,052.81		4,211.24
1-cent pieces:					
Regular issue		34,475.25		1,814.49	36,289.74
Proof coins		9.32		.49	9.81
Total		34,484.57		1,814.98	36,299.55
Summary:					
Regular issue		50,760.95	2,506.21	1,814.49	55,081.65
Numismatic:					
Cupronickel		87.84	8.70		96.54
Silver clad	3.75	5.63			9.38
Proof coins		27.71	4.54	.49	32.74
Grand total	3.75	50,882.13	2,519.45	1,814.98	55,220.31

TABLE 6.—Shipments by the Bureau of the Mint of newly manufactured U.S. coins for general circulation, fiscal years 1977, 1978, and 1979

Denomination	Number of coins	Face value	Gross weight
FISCAL YEAR 1977			
			<i>Short tons</i>
1 dollar.....	50,600,000	\$50,600,000.00	1,265.02
50 cents.....	75,200,000	37,600,000.00	940.02
25 cents.....	729,200,000	182,300,000.00	4,557.58
10 cents.....	814,500,000	81,450,000.00	2,036.28
5 cents.....	673,700,000	33,685,000.00	3,713.13
1 cent.....	8,362,600,000	83,626,000.00	28,668.56
Total.....	10,705,800,000	469,261,000.00	41,180.59
FISCAL YEAR 1978			
			<i>Short tons</i>
1 dollar.....	50,000,000	\$50,000,000.00	1,250.02
50 cents.....	78,400,000	39,200,000.00	980.02
25 cents.....	997,900,000	249,475,000.00	6,236.98
10 cents.....	1,184,600,000	118,460,000.00	2,961.55
5 cents.....	951,300,000	47,565,000.00	5,243.14
1 cent.....	10,185,800,000	101,858,000.00	34,918.83
Total.....	13,448,000,000	606,558,000.00	51,590.54
FISCAL YEAR 1979			
			<i>Short tons</i>
1 dollar.....	¹ 522,600,000	\$522,600,000.00	5,775.10
50 cents.....	101,700,000	50,850,000.00	1,271.27
25 cents.....	1,029,600,000	257,400,000.00	6,435.11
10 cents.....	1,227,400,000	122,740,000.00	3,068.55
5 cents.....	938,100,000	46,905,000.00	5,170.39
1 cent.....	10,543,700,000	105,437,000.00	36,145.78
Total.....	14,363,100,000	1,105,932,000.00	57,866.20

NOTE.—Coins are shipped for distribution through the facilities of the 12 Federal Reserve banks, their 25 branches, and the U.S. Treasury, Washington, D.C., through fiscal year 1978. Thereafter, coins are distributed through the facilities of the Federal Reserve only.

¹ Consists of 69 million Eisenhower dollars and 453.6 million Anthony dollars.

**TABLE 7.—Inventories of U.S. coins Sept. 30, 1978, and
Sept. 30, 1979**

[Number of pieces]

Denomination	Sept. 30, 1978			Sept. 30, 1979		
	Mints	Federal Reserve banks and U.S. Treasury	Total	Mints	Federal Reserve banks	Total
1 dollar....	34,600,000	31,583,062	66,183,062	193,900,000	181,293,075	375,193,075
50 cents	90,500,000	68,467,734	158,967,734	40,300,000	58,659,570	98,959,570
25 cents	330,900,000	517,496,968	848,396,968	222,900,000	549,552,796	772,452,796
10 cents	733,400,000	717,088,140	1,450,488,140	132,200,000	744,140,750	876,340,750
5 cents	423,100,000	386,717,760	809,817,760	246,200,000	391,335,140	637,535,140
1 cent	1,615,100,000	917,016,500	2,532,116,500	1,657,000,000	1,294,450,000	2,951,450,000
Total..	3,227,600,000	2,638,370,164	5,865,970,164	2,492,500,000	3,219,431,331	5,711,931,331

NOTE.—The Mint's 1979 dollar inventory consisted solely of Anthony dollars; Federal Reserve's 1979 inventory consisted of 177,940,075 Anthony dollars and 3,353,000 Eisenhower dollars.

TABLE 8.—*Location of U.S. fractional coins on selected dates, June 1970–September 1979*

[Face value of 50, 25, 10, 5, and 1 cent denominations combined]

End of month	Held by the Treasury	Held by the Federal Reserve banks	In circulation ¹	Total outstanding
1970:				
June	\$13,924,455	\$217,401,466	\$5,646,416,079	\$5,877,742,000
December	23,358,707	220,410,604	5,799,729,689	6,043,499,000
1971:				
June	44,286,259	282,535,012	5,989,912,729	6,316,734,000
December	44,321,753	241,795,654	6,209,125,593	6,495,243,000
1972:				
June	87,774,629	267,578,476	6,383,441,895	6,738,795,000
December	52,945,004	268,083,504	6,615,295,492	6,936,324,000
1973:				
June	95,011,636	263,581,703	6,793,148,661	7,151,742,000
December	68,546,158	243,297,881	7,025,749,961	7,337,594,000
1974:				
June	45,784,085	201,854,697	7,274,671,218	7,522,310,000
December	52,996,828	221,644,601	7,538,733,571	7,813,375,000
1975:				
June	195,857,040	340,503,927	7,680,844,033	8,217,205,000
December	240,649,199	314,168,058	8,055,607,743	8,610,425,000
1976:				
June	297,681,403	298,983,684	8,303,747,913	8,900,413,000
December	314,045,040	322,948,625	8,517,752,335	9,154,746,000
1977:				
June	375,946,336	267,613,613	8,750,232,051	9,393,792,000
December	319,419,835	241,713,059	9,057,910,106	9,619,043,000
1978:				
January	313,315,817	289,873,915	9,045,106,268	9,648,296,000
February	315,717,702	298,967,372	9,065,020,926	9,679,706,000
March	327,109,127	282,151,722	9,112,669,151	9,721,930,000
April	310,934,494	285,310,680	9,162,261,826	9,758,507,000
May	294,118,803	253,355,390	9,250,233,807	9,797,708,000
June	272,747,350	235,805,741	9,324,197,909	9,832,751,000
July	250,445,342	231,645,890	9,375,661,768	9,857,753,000
August	243,672,204	240,815,913	9,422,635,883	9,907,124,000
September	245,861,537	260,787,687	9,440,596,776	9,947,246,000
October	219,955,288	274,035,661	9,492,595,051	9,986,586,000
November	201,841,829	253,769,376	9,572,262,795	10,027,874,000
December	179,479,624	257,646,598	9,624,620,778	10,061,747,000
1979:				
January	186,102,152	302,458,449	9,607,672,399	10,096,233,000
February	191,653,538	305,036,031	9,629,353,431	10,126,043,000
March	187,600,354	315,524,210	9,658,435,436	10,161,560,000
April	207,316,673	278,219,308	9,729,886,019	10,215,422,000
May	194,260,523	245,494,749	9,820,282,728	10,260,038,000
June	156,091,449	250,318,324	9,878,931,227	10,285,341,000
July	123,014,666	256,885,045	9,932,763,289	10,312,663,000
August	118,392,673	257,458,851	9,987,836,476	10,363,688,000
September	122,798,356	273,817,975	10,010,967,669	10,407,584,000

¹ Includes coins in commercial banks and coins held by the public.

SOURCE.—"Monthly Statement of United States Currency and Coin," Bureau of Government Financial Operations, Department of the Treasury.

TABLE 9.—Location of U.S. clad dollars on selected dates, July 1971–September 1979

[Face value]

End of month	Held by the Treasury	Held by the Federal Reserve banks	In circulation ¹	Total outstanding
1971:				
July	\$7,749,000			\$7,749,000
December	14,391,505	\$18,022,951	\$83,966,544	116,381,000
1972:				
June	28,549,115	50,415,192	151,116,693	230,081,000
December	47,365,037	44,625,301	189,637,662	281,628,000
1973:				
June	21,719,291	40,804,999	223,098,710	285,623,000
December	6,702,505	27,434,158	251,451,337	285,588,000
1974:				
June	11,418,589	16,135,321	283,174,090	310,728,000
December	17,850,433	19,109,238	310,917,329	347,877,000
1975:				
June	28,167,243	18,697,096	333,784,661	380,649,000
December	66,797,902	30,778,374	421,954,724	519,531,000
1976:				
June	74,753,596	36,716,338	459,017,066	570,487,000
December	51,868,293	42,621,004	483,877,703	578,367,000
1977:				
June	48,862,073	46,200,542	506,521,385	601,584,000
December	55,385,164	40,135,746	531,550,090	627,071,000
1978:				
January	53,531,702	43,390,530	533,355,768	630,278,000
February	53,786,229	40,878,389	537,262,382	631,927,000
March	52,636,832	39,518,186	542,710,982	634,866,000
April	53,083,397	37,890,138	548,418,465	639,392,000
May	53,494,929	33,587,853	556,883,218	643,966,000
June	49,829,627	49,041,422	549,278,951	648,150,000
July	47,998,586	43,359,486	558,809,928	650,168,000
August	39,148,586	41,723,342	569,296,072	650,168,000
September	38,514,186	32,364,565	581,398,249	652,277,000
October	40,793,713	25,683,656	594,285,631	660,763,000
November	45,238,508	22,166,387	611,365,105	678,770,000
December	37,150,630	16,020,657	632,590,713	685,762,000
1979:				
January	69,840,497	13,128,091	649,150,412	732,119,000
February	120,580,332	39,029,825	656,429,843	816,040,000
March	161,623,147	79,380,586	672,463,267	913,467,000
April	144,906,744	123,321,688	683,347,568	951,576,000
May	151,583,512	165,802,996	701,434,492	1,018,821,000
June	190,637,993	121,214,352	844,767,655	1,156,620,000
July	122,639,208	139,607,785	940,800,007	1,203,047,000
August	135,295,908	183,734,743	957,977,349	1,277,008,000
September	199,357,227	181,681,185	953,198,588	1,334,237,000

¹ Includes coins in commercial banks and coins held by the public.

SOURCE.—“Monthly Statement of United States Currency and Coin,” Bureau of Government Financial Operations, Department of the Treasury.

TABLE 10.—*Summary of uncurrent U.S. coins withdrawn from circulation, fiscal years 1978 and 1979*

Denomination	Fiscal year 1978		Fiscal year 1979	
	Pieces	Face value	Pieces	Face value
Standard silver dollars				
Cupronickel dollars .	13,371	\$13,371	9,894	\$9,894
50 cents	58,032	29,016	48,484	24,242
25 cents	848,042	212,011	849,027	212,257
10 cents	1,622,382	162,238	1,355,672	135,567
5 cents	1,152,600	57,630	842,513	42,126
1 cent	5,196,537	51,965	5,454,369	54,544
Total	8,890,964	526,231	8,559,959	478,630

NOTE.—Represents coins received at mint institutions.

TABLE 11.—*Medals produced by the Philadelphia Mint, fiscal years 1977–79*

	Medals	Number of medals produced		
List No.	Subject	Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Presidential</i>				
101	George Washington	714	1,133	327
102	John Adams			
103	Thomas Jefferson	225	646	416
104	James Madison			
105	James Monroe			
106	John Quincy Adams			108
107	Andrew Jackson			
108	Martin Van Buren			
109	William Henry Harrison			
110	John Tyler			
111	James K. Polk			
112	Zachary Taylor			
113	Millard Fillmore			
114	Franklin Pierce			
115	James Buchanan			
116	Abraham Lincoln	1,594	1,111	506
117	Andrew Johnson			
118	Ulysses S. Grant			
119	Rutherford B. Hayes			
120	James A. Garfield			
121	Chester A. Arthur			
122	Grover Cleveland			
123	Benjamin Harrison			
124	William McKinley			
125	Theodore Roosevelt			
126	William H. Taft			
127	Woodrow Wilson			
128	Warren G. Harding			
129	Calvin Coolidge			
130	Herbert Hoover			
131	Franklin D. Roosevelt		531	
132	Harry S. Truman	3,639	1,388	
133	Dwight D. Eisenhower (1st term)			
134	Dwight D. Eisenhower (2d term)		107	
135	John F. Kennedy	1,993	1,627	1,104
136	Lyndon B. Johnson (1st term)			100
137	Lyndon B. Johnson (2d term)		482	106
138	Richard M. Nixon (1st term)			
139	Richard M. Nixon (2d term)			
140	Gerald R. Ford	209		
141	Jimmy Carter	2,961	1,066	1,074
Total Presidential series		11,335	8,091	3,741
<i>Secretaries of the Treasury</i>				
201	Alexander Hamilton			
202	William Windom			
203	John G. Carlisle			
204	Daniel Manning			
205	Lyman J. Gage			
206	Leslie M. Shaw			
207	George B. Cortelyou			
208	Franklin MacVeagh			
209	William McAdoo			
210	Carter Glass			
211	Andrew W. Mellon			
212	Ogden L. Mills			
213	William H. Woodin			
214	Henry Morgenthau, Jr			
215	Fred M. Vinson			
216	John W. Snyder			
217	George M. Humphrey		172	

**TABLE 11.—Medals produced by the Philadelphia Mint,
fiscal years 1977-79—Continued**

List No.	Medals	Number of medals produced		
	Subject	Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Secretaries of the Treasury—Continued</i>				
218	Robert B. Anderson.....		107	
219	Douglas Dillon.....			
220	Henry H. Fowler.....			
221	Albert Gallatin.....	223	208	
222	Joseph W. Barr.....			
223	David M. Kennedy.....		125	
224	John B. Connally.....			
225	George P. Shultz.....			
226	William E. Simon.....			
227	W. Michael Blumenthal.....		556	
Total Secretaries of the Treasury.....		223	1,168	
<i>Directors of the Mint</i>				
301	David Rittenhouse, Philadelphia, Pa.....			
302	Robert M. Patterson, Philadelphia, Pa.....			
303	J. Ross Snowden, Philadelphia, Pa.....			
304	James Pollock, Philadelphia, Pa.....			
305	Henry R. Linderman, Washington, D.C.....			
306	Horatio C. Burchard, Washington, D.C.....			
307	James P. Kimball, Washington, D.C.....			
308	Edward O. Leech, Washington, D.C.....			
309	Robert E. Preston, Washington, D.C.....			
310	George E. Roberts, Washington, D.C.....		163	
311	F.J.H. von Engelken, Washington, D.C.....		160	
312	Robert W. Woolley, Washington, D.C.....			
313	Raymond T. Baker, Washington, D.C.....			
314	F.E. Scobey, Washington, D.C.....			
315	R.J. Grant, Washington, D.C.....			
316	Nellie Tayloe Ross, Washington, D.C.....			
317	William H. Brett, Washington, D.C.....			
318	Eva Adams (1st term) Washington, D.C.....			
319	Eva Adams (2d term) Washington, D.C.....			
320	Mary Brooks, Washington, D.C.....			
321	Stella B. Hackel, Washington, D.C.....			850
Total Directors of the Mint.....			323	850
<i>Army</i>				
401	Washington before Boston.....		142	
402	Maj. Gen. Gates, for Saratoga.....			
403	Brig. Gen. Morgan, for Cowpens.....		206	
404	Lt. Col. John E. Howard, for Cowpens.....			
405	Lt. Col. W.A. Washington, for Cowpens.....			
406	Count DeFleury, for Stony Point.....			
407	Maj. Gen. Anthony Wayne, for Stony Point.....		497	
408	Maj. Gen. Nathaniel Greene for Eutaw Springs.....			
409	Maj. Henry Lee, Paulus Hook.....			
410	Maj. Gen. Scott, for Chippewa and Niagara.....			
411	Maj. Gen. Gaines, for Fort Erie.....			
412	Maj. Gen. Porter, for Chippewa, Niagara and Erie.....			
413	Maj. Gen. Brown, for Chippewa, Niagara and Erie.....			
414	Brig. Gen. Miller, for Chippewa, Niagara and Erie.....			
415	Brig. Gen. Ripley, for Chippewa, Niagara and Erie.....			
416	Maj. Gen. Macomb, Battle of Plattsburg.....			
417	Maj. Gen. Jackson, Battle of New Orleans.....			
418	Maj. Gen. Harrison, for Thames.....			
419	Gov. Isaac Shelby, for Thames.....			
420	Col. George Croghan, for Sandusky.....			
421	Maj. Gen. Taylor, for Palo Alto.....			
422	Maj. Gen. Taylor, for Monterey.....			

**TABLE 11.—Medals produced by the Philadelphia Mint,
fiscal years 1977-79—Continued**

	Medals	Number of medals produced		
List No.	Subject	Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Army—Continued</i>				
423	Maj. Gen. Taylor, for Buena Vista.....		104	
424	Maj. Gen. Scott, for battles in Mexico.....			
425	Maj. Gen. Grant.....			
427	Maj. Gen. Scott (Commonwealth of Virginia).....			
428	Kittanning destroyed.....			
429	200th Anniversary of the Army.....	689	1,520	
Total Army series.....		689	2,469	
<i>Navy</i>				
501	John Paul Jones, for Serapis.....			
502	Capt. Thomas Truxtun, for action with La Vengeance.....			
503	Capt. Preble before Tripoli.....			
504	Capt. Hull, for capture of Guerriere.....			
505	Capt. Jacob Jones, for capture of Frolic.....			
506	Capt. Decatur, for capture of Macedonian.....		106	106
507	Capt. Bainbridge, for capture of Java.....			
508	Capt. Burrows, for capture of Boxer.....			
509	Lt. McCall, for capture of Boxer.....			
510	Capt. Perry, capture of British Fleet on Lake Erie....	108	243	
511	Capt. Elliott, capture of British Fleet on Lake Erie....			
512	Capt. Lawrence, capture of Peacock.....			
513	Capt. Macdonough, capture of British Fleet on Lake Champlain.....			
514	Capt. Henley, capture of British Fleet on Lake Champlain.....			
515	Lt. Cassin, capture of British Fleet on Lake Champlain.....			
516	Capt. Warrington, capture of Epervier.....			
517	Capt. Blakely, capture of Reindeer.....			
518	Capt. Biddle, capture of Penguin.....			
519	Capt. Stewart, capture of Cyane and Levant.....			
520	Rescue of officers and crew of brig Sommers.....	110	137	
521	Capt. Ingraham.....			
522	Capt. Perry (State of Pennsylvania) capture of fleet on Lake Erie.....			
522A	Pennsylvania Volunteers, action on Lake Erie.....	107		
523	Cornelius Vanderbilt.....			
525	To Rescuers of Passengers, Officers & Men of Steamship San Francisco, by Congress.....		104	
526	Commodore M. C. Perry, from merchants of Boston..			
527	Metis (shipwreck) Medal.....			
528	John Horn.....			
529	Lt. Victor Blue (State of South Carolina).....			
532	Departure of American Fleet.....			
533	Vice Adm. Hyman George Rickover.....			
534	200th Anniversary of the Navy.....	9,843	157	
535	200th Anniversary of the Marine Corps.....	2,840	1,028	
Total Navy series.....		13,008	1,775	106
<i>Chief Justices of the Supreme Court</i>				
901	John Jay.....	2,105		
902	John Rutledge.....		604	
914	Earl Warren.....		656	
915	Warren E. Burger.....	1,779		
Total Chief Justices series.....		3,884	1,260	

TABLE 11.—*Medals produced by the Philadelphia Mint,
fiscal years 1977-79—Continued*

List No.	Medals Subject	Number of medals produced		
		Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Miscellaneous</i>				
601	Time Increases His Fame.....			
602	Cabinet Medal.....	581	251	
603	Washington and Jackson.....	122	1,039	
604	Commencement of Coin Cabinet.....		111	
605	Presidency Relinquished.....			
606	Allegiance.....		629	
607	Washington Lincoln.....	119	3,073	
608	Washington and Grant.....		550	
609	Washington Wreath.....	432	998	
610	Washington Bicentennial.....			
611	James Garfield.....		226	
612	Lincoln and Garfield.....		551	
613	Pennsylvania Bicentennial.....		437	997
614	Valley Forge Centennial.....			
615	Lincoln and Grant.....		1,034	
616	Lincoln, Broken Column.....		1,218	
617	Japanese Embassy.....			
618	Frederick Rose.....			
619	Louis Agassiz.....			
620	Indian Peace Medal (George II).....			
621	David Hosack.....		656	
622	First Steam Coinage.....		1,199	
623	Union Pacific Railroad.....	110	147	214
624	Emancipation Proclamation.....			
625	Cyrus W. Field.....			
626	Joseph Pancoast.....	118	164	
627	Indian Peace (Grant).....			
628	Hayes, Indian Peace (oval).....			
629	Garfield, Indian Peace.....		112	
630	Arthur, Indian Peace.....			
631	Cleveland, Indian Peace.....			
632	Harrison, Indian Peace.....			
633	Let Us Have Peace (Grant).....			
634	Seward-Robinson.....			
635	U.S. Diplomatic (July 4, 1776).....			
636	Great Seal Centennial Medal, 1782-1882.....	555		805
637	Joseph Francis.....			
638	Lincoln Centennial.....		368	
639	Wright Brothers.....			
640	Abraham Lincoln.....		210	110
641	Woodrow Wilson.....			
642	Warren G. Harding.....			
643	Calvin Coolidge.....			
644	Herbert Hoover.....			
645	Charles A. Lindbergh.....	244	1,045	
646	Franklin D. Roosevelt.....			
647	Mount Vernon.....			
648	Benjamin Franklin.....		321	431
649	Franklin D. Roosevelt.....			
650	Harry S. Truman.....			
651	Vice President Alben W. Barkley.....			
652	Dr. Jonas E. Salk.....		325	
653	Dr. Robert H. Goddard.....			
654	Robert Frost.....			
655	Dr. Thomas A. Dooley III.....	122		
656	Sam Rayburn.....			
657	U.S. Secret Service 100th Anniversary.....		454	
658	Diplomatic Courier.....	138		
659	Transpo '72.....			
661	J. Edgar Hoover.....	444		
662	Brig. Gen. Charles Yeager.....	2,120		
663	Marian Anderson.....		593	521
702	Opening of New Mint at Phila. (Aug. 14, 1969).....	864	210	331
707	U.S. Treasury Building.....	444		
770	Georgetown Customhouse.....			
943	1977 Assay Commission ¹		1,100	
Total Miscellaneous series.....		6,413	17,021	3,409

Footnotes at end of table.

**TABLE 11.—Medals produced by the Philadelphia Mint,
fiscal years 1977-79—Continued**

List No.	Medals	Number of medals produced		
	Subject	Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Bronze Miniature Presidential (1½")</i>				
801	George Washington			10,199
802	John Adams		2,284	
803	Thomas Jefferson			
804	James Madison			
805	James Monroe			
806	John Quincy Adams			
807	Andrew Jackson	6,253	2,125	
808	Martin Van Buren			
809	William Henry Harrison			
810	John Tyler			
811	James K. Polk			
812	Zachary Taylor			
813	Millard Fillmore			
814	Franklin Pierce			
815	James Buchanan			
816	Abraham Lincoln		6,214	15,000
817	Andrew Johnson			
818	Ulysses S. Grant			5,000
819	Rutherford B. Hayes			
820	James A. Garfield			
821	Chester A. Arthur			
822	Grover Cleveland			
823	Benjamin Harrison			
824	William McKinley			
825	Theodore Roosevelt			3,031
826	William H. Taft			
827	Woodrow Wilson			
828	Warren G. Harding			
829	Calvin Coolidge			5,048
830	Herbert Hoover	8,078	4,958	
831	Franklin D. Roosevelt		12,397	
832	Harry S. Truman		7,011	5,297
833	Dwight D. Eisenhower (1st term)			3,057
835	John F. Kennedy		20,293	5,702
837	Lyndon B. Johnson (2d term)	5,288	6,059	10,028
838	Richard M. Nixon			
839	Richard M. Nixon (2d term)			
840	Gerald R. Ford			5,427
841	Jimmy Carter	23,353		20,035
841-C	Jimmy Carter (Proof)	17,590		20,301
Total Bronze Miniature Presidential series		60,562	61,341	108,125

Gold plated Miniature Presidential (1½")

801	George Washington	1,654	325	
802	John Adams		64	
803	Thomas Jefferson	409	79	
804	James Madison		112	
805	James Monroe	158	214	
806	John Quincy Adams		71	
807	Andrew Jackson	382	237	
808	Martin Van Buren	157	163	
809	William Henry Harrison			
810	John Tyler			
811	James K. Polk			
812	Zachary Taylor		147	
813	Millard Fillmore			
814	Franklin Pierce			

**TABLE 11.—Medals produced by the Philadelphia Mint,
fiscal years 1977-79—Continued**

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Gold Plated Miniature Presidential (1½")—Continued</i>				
815	James Buchanan		120	
816	Abraham Lincoln	863	436	
817	Andrew Johnson			
818	Ulysses S. Grant			
819	Rutherford B. Hayes		171	
820	James A. Garfield			
821	Chester A. Arthur			
822	Grover Cleveland			
823	Benjamin Harrison			
824	William McKinley			
825	Theodore Roosevelt		173	
826	William H. Taft			
827	Woodrow Wilson		83	
828	Warren G. Harding		72	
829	Calvin Coolidge			
830	Herbert Hoover			
831	Franklin D. Roosevelt	881	752	
832	Harry S. Truman	443	633	
833	Dwight D. Eisenhower (1st term)	209	84	
835	John F. Kennedy	909	1,060	
837	Lyndon B. Johnson (2d term)	471	432	
838	Richard M. Nixon	204	152	
839	Richard M. Nixon (2d term)			
840	Gerald R. Ford		951	
841	Jimmy Carter			2,576
Total gold plated Miniature Presidential series.....		6,740	6,531	2,576
<i>Miniature Miscellaneous (1½")</i>				
660	Transpo '72			
701	Opening of New Mint at Phila. (Aug. 14, 1969)	10,279	1,245	
701P	Philadelphia Mint Bicentennial		10,013	
705	First Coinage		2,082	1,199
706	White House		20,160	10,649
708	New York Assay Office			
709	U.S. Bullion Depository at West Point			
710	U.S. Bullion Depository at Fort Knox		3,199	
713	U.S. Treasury Building			
714	Opening of New Mint at Phila. (Aug. 14, 1969) ¹	43,009	46,446	
750	New Orleans Mint ²			
751	San Francisco Mint ²		2,318	
771	Georgetown Customhouse	2,390	2,065	
772	Boston Customhouse			
774	Wheeling Customhouse			
775	Savannah Customhouse			
776	New Orleans Customhouse			
777	Galveston Customhouse			
778	New York Customhouse			
779	Galena Customhouse			
780	Providence Customhouse			
781	Yorktown Customhouse	2,368	2,194	
Total miscellaneous miniature		58,046	89,722	11,848
Grand total, all series		160,900	189,701	130,655

¹ Oval-shaped pewter medal.

² Medals are 1½ inches in diameter, rather than 1½ inches.

TABLE 12.—*Medals produced by the Denver Mint, fiscal years 1977-79*

	Medals	Number of medals produced		
List No.	Subject	Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Miniature Presidential (1½")</i>				
801	George Washington	2,741	400	6,833
802	John Adams	204	1,956	2,442
803	Thomas Jefferson	3,600	2,361	2,079
804	James Madison	2,100	2,671	1,985
805	James Monroe	1,182	1,122	2,021
806	John Quincy Adams	2,100	1,023	2,043
807	Andrew Jackson	1,893	1,042	2,050
808	Martin Van Buren	2,394		1,603
809	William Henry Harrison	2,199	2,075	2,124
810	John Tyler		1,037	2,017
811	James K. Polk	2,400	984	2,199
812	Zachary Taylor		2,340	2,456
813	Millard Fillmore	2,448	50	2,487
814	Franklin Pierce	3,493	50	2,726
815	James Buchanan	2,306	1,079	2,249
816	Abraham Lincoln	3,714	4,674	5,947
817	Andrew Johnson	577	2,072	2,183
818	Ulysses S. Grant		1,110	2,173
819	Rutherford B. Hayes	4,384		
820	James A. Garfield	1,973		1,489
821	Chester A. Arthur		3,300	
822	Grover Cleveland	2,662		2,021
823	Benjamin Harrison			2,038
824	William McKinley	2,325	2,040	2,011
825	Theodore Roosevelt	2,305		2,050
826	William H. Taft	2,296		2,010
827	Woodrow Wilson	3,130		50
828	Warren G. Harding		2,174	2,197
829	Calvin Coolidge		2,233	2,100
830	Herbert Hoover	3,096		2,010
831	Franklin D. Roosevelt	3,110	2,012	3,275
832	Harry S. Truman	3,069	257	2,430
833	Dwight D. Eisenhower (1st term)			
834	Dwight D. Eisenhower (2d term)		315	4,186
835	John F. Kennedy	3,742	3,890	7,235
837	Lyndon B. Johnson (2d term)	1,358		5,278
838	Richard M. Nixon		100	2,036
839	Richard M. Nixon (2d term)			3,362
840	Gerald R. Ford	2,387	3,588	2,100
841	Jimmy Carter	4,994	6,814	5,285
Total Miniature Presidential series		74,182	52,769	100,780
<i>Miniature Miscellaneous (1½")</i>				
703	Denver Mint Medal	131,643	155,024	87,977
Grand total		205,825	207,793	188,757

TABLE 13.—Medals produced by the San Francisco Assay Office, fiscal years 1977–79

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Miniature Miscellaneous</i>				
704	United States Assay Office San Francisco ¹			4,220
773	San Francisco Customhouse ¹			
751	San Francisco Mint ²			3,500
837	Lyndon B. Johnson ¹		10,000	
Total			10,000	7,720

¹ Diameter 1 $\frac{1}{16}$ inches.

² Diameter 1 $\frac{1}{2}$ inches.

TABLE 14.—Medal produced by the Old San Francisco Mint, fiscal years 1977–79

Medal		Number of medals produced		
List No.	Subject	Fiscal year 1977	Fiscal year 1978	Fiscal year 1979
<i>Miniature Miscellaneous (1$\frac{1}{2}$")</i>				
751	San Francisco Mint	41,945	36,332	35,742

TABLE 15.—Foreign coins manufactured by U.S. mints, fiscal year 1979

Country and denomination	Coins manufactured	Metallic composition	Gross weight	Diameter	Thickness	Type of edge
	<i>Pieces</i>		<i>Grams</i>	<i>mm.</i>	<i>mm.</i>	
Dominican Republic: ¹						
1 peso	85,000	75 percent copper, 25 percent nickel	26.70	38.10	4.00	Reeded.
Do.....	15	900 silver, 100 copper	26.70	38.10	4.00	Do.
50 centavos	441,000	75 percent copper, 25 percent nickel	12.50	30.60	2.20	Do.
Do.....	15	900 silver, 100 copper	12.50	30.60	2.20	Do.
25 centavos	2,585,000	75 percent copper, 25 percent nickel	6.25	24.30	1.80	Do.
Do.....	15	900 silver, 100 copper	6.25	24.30	1.80	Do.
10 centavos	6,495,000	75 percent copper, 25 percent nickel	2.50	17.90	1.50	Do.
Do.....	15	900 silver, 100 copper	2.50	17.90	1.50	Do.
5 centavos	2,993,000	75 percent copper, 25 percent nickel	5.00	21.20	1.90	Smooth.
Do.....	15	900 silver, 100 copper	5.00	21.20	1.90	Do.
1 centavo	2,990,000	95 percent copper, 5 percent zinc	3.00	19.05	1.70	Do.
Do.....	15	900 silver, 100 copper	3.00	19.05	1.70	Do.
Total.....	15,589,090					
Haiti: ²						
50 centimes.....	2,000,000	70 percent copper, 18 percent zinc, 12 percent nickel.	9.88	29.00	1.90	Smooth.
Panama: ³						
1 centesimo	10,000,000	95 percent copper, 5 percent zinc.....	3.11	19.05	1.61	Smooth.
Grand total	27,589,090					

¹ Production includes 5,000 6-coin proof sets dated 1978 and 15 silver proof sets struck at the U.S. Assay Office, San Francisco. Coins for regular issue were manufactured at the Philadelphia Mint.

² Manufactured at U.S. Assay Office, San Francisco.

³ Manufactured at the U.S. Bullion Depository, West Point.

**TABLE 16.—Gold transactions of the Bureau of the Mint,
fiscal year 1979**

[In fine ounces rounded to whole ounces]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Sept. 30, 1978	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Sept. 30, 1979
Philadelphia	785	360	1,145	135	1,010
San Francisco	3,340,077		3,340,077		3,340,077
Denver	40,524,763	27	40,524,790	54	40,524,736
New York	75,185,575	4,744	75,190,319	11,859,637	63,330,682
Fort Knox	147,342,321		147,342,321		147,342,321
Total	266,393,521	5,131	266,398,652	11,859,826	254,538,826

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia			360	360
San Francisco				
Denver		2	25	27
New York	3,606	949	189	4,744
Fort Knox				
Total	3,606	951	574	5,131

DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine bars issued to depositors	Sold in sweeps, operating losses, etc.	Sold	Transfers to mints and assay offices	Total disbursements
Philadelphia				135	135
San Francisco					
Denver				54	54
New York	3,606	4,013	¹ 11,851,633	385	11,859,637
Fort Knox					
Total	3,606	4,013	11,851,633	574	11,859,826

¹ Sold at GSA auctions.

TABLE 17.—Gold transactions of the Bureau of the Mint, fiscal year 1979, dollar value

[Valued at \$42.2222 per fine troy ounce]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Sept. 30, 1978	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Sept. 30, 1979
Philadelphia	\$33,131	\$15,210	\$48,341	\$5,701	\$42,640
San Francisco	141,025,413		141,025,413		141,025,413
Denver	1,711,044,653	1,167	1,711,045,820	2,272	1,711,043,548
New York	3,174,500,381	200,305	3,174,700,686	500,740,014	2,673,960,672
Fort Knox	6,221,116,593		6,221,116,593		6,221,116,953
Total	11,247,720,531	216,682	11,247,937,213	500,747,987	10,747,189,226

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia		\$5	\$15,205	\$15,210
San Francisco				
Denver		101	1,066	1,167
New York	\$152,273	40,059	7,973	200,305
Fort Knox				
Total	152,273	40,165	24,244	216,682

DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine bars issued to depositors	Sold in sweeps, operating losses, etc.	Sold	Transfers to mints and assay offices	Total disbursements
Philadelphia				\$5,701	\$5,701
San Francisco					
Denver				2,272	2,272
New York	\$152,273	\$169,448	¹ \$500,402,022	16,271	500,740,014
Fort Knox					
Total	152,273	169,448	500,402,022	24,244	500,747,987

¹ Sold at GSA auctions.

TABLE 18.—Summary of silver receipts, issues, and balances of the Bureau of the Mint, fiscal years 1934–79

Item	Fine ounces	Value
Balances June 30, 1933:		
Silver bullion ordinary	13,831,051.05	\$6,588,389.06
Recoinage silver	13,925,846.32	19,251,049.27
	27,756,897.37	25,839,438.33
Receipts (July 1, 1933–Sept. 30, 1979):		
Silver Purchase Act silver (act of June 19, 1934, 48 Stat. 1178)	2,048,490,530.48	1,027,637,216.75
Nationalized silver (Executive Order 6814, Aug. 9, 1934)	113,032,915.78	56,528,353.08
Foreign debt silver (title III, act of May 12, 1933, 48 Stat. 31, 53)	22,734,824.35	11,367,412.18
Newly-mined domestic silver:		
Executive Proclamation silver (E.P. 2067 of Dec. 21, 1933, and amendments)	301,226,723.50	216,588,371.53
Act of June 6, 1939 (53 Stat. 998)	206,287,208.67	146,693,123.94
Act of July 31, 1946 (60 Stat. 750)	376,686,164.80	340,919,995.60
	884,200,096.97	704,201,491.07
Silver bullion ordinary	404,717,224.37	290,572,906.65
900 fine subsidiary coin melted	275,660,797.81	390,876,583.90
Recoinage bullion from uncurrent silver dollars	45,936,330.61	61,818,618.00
Seigniorage accruing from revaluation of silver		1,179,406,984.67
Silver bullion for coinage or for sale at \$1.29+	163,844.32	211,839.12
Silver for silver clad coin	515,141.83	687,744.43
Silver bullion from GSA stockpile (act of Dec. 31, 1970, 84 Stat. 1769) ¹	25,500,000.00	32,969,696.95
Total receipts	3,820,951,706.52	3,756,278,846.80
Total silver available fiscal years 1934 through 1979	3,848,708,603.89	3,782,118,285.13
Issues (July 1, 1933–Sept. 30, 1979):		
Silver processed into U.S. coins	1,985,645,429.68	1,903,621,173.58
Silver lend-leased to foreign governments (act of Mar. 11, 1941)	410,814,344.19	191,713,360.44
Silver sold:		
Under Green Act (act of July 12, 1943, 57 Stat. 520)	167,380,240.92	78,110,778.17
Under act of July 31, 1946 (60 Stat. 750)	138,971,143.85	103,749,218.68
Other	387,311,305.25	514,609,185.75
Wasted in operation	1,135,094.14	872,700.50
Melting losses – uncurrent coin		9,535,449.86
Silver used for redemption of silver certificates	553,386,662.70	715,516,281.00
Silver transferred to stockpile (act of June 24, 1967, 81 Stat. 77) ²	165,000,000.00	213,333,333.18
Total issues	3,809,644,220.73	3,731,061,481.16
Balances Sept. 30, 1979:		
Silver bullion ordinary: Bureau of the Mint	22,974,684.00	30,427,176.65
Silver for silver clad coin	16,089,699.16	20,629,627.32
Total balances	39,064,383.16	51,056,803.97
Total issues and balances	3,848,708,603.89	3,782,118,285.13

¹ For silver clad coin.² Silver bullion of the Treasury in custody of the Bureau of the Mint, amounting to 120,371,251.81 fine ounces valued at \$155,631,517.38 was transferred to the U.S. Government stockpile during the fiscal year 1968. In addition, silver bullion of the Treasury in custody of the Atomic Energy Commission, amounting to 44,628,748.19 fine ounces valued at \$57,701,815.80, was transferred to the stockpile during fiscal 1968, making total transfers of 165,000,000 fine ounces valued at \$213,333,333.18. (Strategic and Critical Materials Stockpiling Act, Public Law 520, approved July 23, 1946, 60 Stat. 596, 50 U.S.C. 98, 98a-g (1951); Public Law 90–29, approved June 24, 1967, 81 Stat. 77, 31 U.S.C. 405a–1, a–2, a–3 (supp. 1967), and 31 U.S.C. 324 (supp. 1967).)

**TABLE 19.—Silver bullion transactions of the Bureau of the Mint,
fiscal year 1979**

	<i>Fine troy ounces</i>
Balances on hand Sept. 30, 1978:	
Silver bullion ordinary.....	23,006,520.73
Silver bullion for coinage.....	8,325,698.34
Coinage metal fund silver.....	7,876,112.34
Total	39,208,331.41
Increases during the fiscal year:	
Deposits in exchange for bars.....	526,701.55
All other	11,392.13
Total increases.....	538,093.68
Decreases during the fiscal year:	
Sold.....	43,207.93
Manufactured into U.S. silver-clad coin.....	109,414.44
Bars issued in exchange for deposits.....	526,701.55
All other	2,718.01
Total decreases	682,041.93
Balances on hand Sept. 30, 1979:	
Silver bullion ordinary.....	22,974,684.00
Silver bullion for coinage.....	8,325,698.34
Coinage metal fund silver.....	7,764,000.82
Total	39,064,383.16

TABLE 20.—*Monetary metals operated on and operating gains and losses of the mints and assay offices, 1979¹*

Operating division and unit of quantity	Philadelphia Mint	San Francisco Assay Office	Denver Mint	New York Assay Office and West Point Depository	Total
METALS OPERATED ON					
Gold bullion:					
Melting and refining fine troy ounces.....				12,156,877.260	12,156,877.260
Cash and deposits do					
Coining (medals)..... do	141,569				141,569
Silver bullion:					
Melting and refining do				10,504,158.15	10,504,158.15
Cash and deposits do					
Coining (medals)..... do	8.70				8.70
Silver clad alloy:					
Melting and refining gross ounces.....					
Coining do		547,289.31			547,289.31
Cupronickel clad dollar alloy:					
Melting and refining avoirdupois pounds	1,327,789				1,327,789
Coining do	5,612,182	3,966,494	4,855,553		14,434,229
Strip do	1,303,597				1,303,597
Cupronickel clad alloy:					
Melting and refining do	8,566,156				8,566,156
Coining do	14,136,817	466,801	10,560,790	489,935	25,654,343
Strip do	18,445,567				18,445,567
Cupronickel alloy:					
Melting and refining do	23,064,991				23,064,991
Coining do	7,138,084	138,940	4,469,210		11,746,234
Strip do	2,193,450				2,193,450
Bronze alloy:					
Melting and refining do	16,533,857				16,533,857
Coining do	47,745,579	8,251,205	44,427,291	14,568,799	114,992,874
Strip do	14,898,928				14,898,928
Copper:					
Melting and refining (alloy) do	19,295,477				19,295,477
Coining do					
Strip do	17,133,926				17,133,926

OPERATING GAINS AND LOSSES¹

Gold bullion:					
Melting and refining	fine troy ounces		2.398	3,714.517	3,716.915
Cash and deposits	do				
Coining (medals)	do	.118			.118
Silver bullion:					
Melting and refining	do		110.80	8,166.79	8,277.59
Cash and deposits	do		-.92		-.92
Coining (medals)	do	2.40	11.77		14.17
Silver clad alloy:					
Melting and refining	gross ounces				
Coining	do		4,687.36		4,687.36
Cupronickel clad dollar alloy:					
Melting and refining	avoirdupois pounds	-3,480			-3,480
Coining	do	-8,038	-3,950	1,186	-10,802
Strip	do	2,372			2,372
Cupronickel clad alloy:					
Melting and refining	do	-50,878			-50,878
Coining	do	50,004	-14,677	-11,855	24,265
Strip	do			793	
Cupronickel alloy:					
Melting and refining	do	14,175			14,175
Coining	do	-60,255	-3	-3,728	-63,986
Strip	do	21,848			21,848
Bronze alloy:					
Melting and refining	do	-47,458			-47,458
Coining	do	-38,449	-7,679	-62,696	-101,062
Strip	do	-12,822			-12,822
Copper:					
Melting and refining(alloy)	do	-27,983			-27,983
Coining	do				
Strip	do	118,755			118,755

¹ This table is based on the Annual Settlements, which were performed at the Denver Mint as of June 30, 1979, at the Philadelphia Mint, as of July 13, 1979, at the New York Assay Office as of Oct. 4, 1979, and at the San Francisco Assay Office, as of Jan. 11, 1980.

² Gains and losses as determined by inventories on dates indicated in footnote 1.

Note.—This table does not include operations on coinage metals processed for foreign governments.

TABLE 21.—*Refined gold and silver produced by the electrolytic process at the New York Assay Office, fiscal year 1979, by months*

Month	Gold	Silver
<i>1978</i>	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>
October.....	204,221.194	332,890.18
November.....	224,351.144	351,326.51
December.....	233,861.933	339,563.19
<i>1979</i>		
January.....	283,743.751	344,050.44
February.....	282,700.806	340,492.86
March.....	295,657.445	340,135.19
April.....	301,805.459	336,034.38
May.....	306,188.988	230,883.74
June.....	306,375.986	238,645.31
July.....	339,800.032	106,036.62
August.....		
September.....		
Total fine ounces.....	2,778,706.738	2,960,058.42
Tonnage (short tons).....	95.27	101.49

TABLE 22.—*Stocks of unrefined and semiprocessed gold and silver bullion held at the mints and assay offices, Sept. 30, 1979*

Institution	Gold bullion		Silver bullion	
	Unrefined	Semiprocessed	Unrefined	Semiprocessed
	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>
Philadelphia.....	252.248		791.38	
San Francisco.....	12.198		351.29	
Denver.....	49.422		173.19	
New York.....	12,051,663.299	¹ 4,804,955.321	5,786,773.96	2,789,919.75
Total.....	12,051,977.167	4,804,955.321	5,788,089.82	2,789,919.75
Tonnage (short tons)	413.21	164.74	198.45	95.65

¹ Represents gold anodes used in refining process.

TABLE 23.—Detail of revenues deposited into the general fund of the Treasury by the Bureau of the Mint, fiscal year 1979

Item	Office of the Director	Philadelphia Mint	San Francisco Assay Office ¹	Old Mint	Denver Mint	New York Assay Office and West Point Depository ²	Fort Knox Depository	Total
GENERAL ACCOUNT RECEIPTS								
Seigniorage, minor coinage.....		\$35,093,019.48	\$3,725,506.00.....		\$30,019,766.06	\$7,109,542.17.....		\$75,947,833.71
Seigniorage, cupronickel clad coinage.....	(\$43,379,124.29)	463,045,552.45	101,104,578.71.....		388,241,072.63	6,894,977.58.....		915,907,057.08
Seigniorage, silver clad coinage.....			54,605.76.....					54,605.76
Rent of equipment and other personal property.....		9.90.....						9.90
Recovery of Mint manufacturing expenses.....	43,379,124.29.....							43,379,124.29
Sale of miscellaneous products and byproducts....	3,305,353.50	18.80.....			2,351.65	1,121,790.54.....		4,429,514.49
Commissions on telephone pay stations.....		737.71	511.01	\$193.43	79.04.....			1,521.19
Fees-testing, inspection, and grading services.....						15,727.00.....		15,727.00
Business concessions.....					630.59.....			630.59

Footnotes at end of table.

TABLE 23.—Detail of revenues deposited into the general fund of the Treasury by the Bureau of the Mint, fiscal year 1979—Continued

Item	Office of the Director	Philadelphia Mint	San Francisco Assay Office ¹	Old Mint	Denver Mint	New York Assay Office and West Point Depository ²	Fort Knox Depository	Total
GENERAL ACCOUNT RECEIPTS—Con.								
Fees and other charges for special benefits, not otherwise classified						\$159.65		\$159.65
Bullion charges		\$8.20			\$629.00	52,250.18		52,887.38
Other fees and charges for miscellaneous services		519.40			136.00	985.00		1,640.40
Proceeds from sale of equipment and other personal property, not otherwise classified			\$5,953.00		12,843.53			18,796.53
Sale of scrap and salvage materials		7,352.19	20,711.42	\$59.02	6,210.51	75.00		34,408.14
Sale of recyclable office wastepaper				109.09				109.09
Profit on sale of gold						31.64		31.64
Recoveries for Government property lost or damaged, not otherwise classified		26.75			137.77			164.52
Miscellaneous recoveries and refunds		8,322.78	20.00		276.75	3,363.45		11,982.98
Total general account receipts	\$3,305,353.50	498,155,567.66	104,911,885.90	361.54	418,284,133.53	15,198,902.21		1,039,856,204.34

¹ Coinage operations authorized by sec. 201 of Public Law 89-91, approved July 23, 1965, a result of which is the receipt of coinage seigniorage shown in this column.

² Coinage operations are also conducted at the West Point Bullion Depository, a result of which is the receipt of coinage seigniorage shown in this column.

TABLE 24.—Analysis of monetary assets and liabilities of the Bureau of the Mint, Sept. 30, 1979

Item	Philadelphia Mint	San Francisco Assay Office	Denver Mint	New York Assay Office and West Point Depository	Fort Knox Depository	Total
ASSETS						
Gold bullion.....	\$103,451.94	\$141,025,413.41	\$1,711,043,547.71	\$2,673,974,039.38	\$6,221,116,953.54	\$10,747,263,405.98
Silver bullion.....	132,248.98	458.83	135,438.47	¹ 41,046,125.63		41,314,271.91
Cupronickel clad dollar coin	87,998,678.00	37,294,472.00	74,002,022.00			199,295,172.00
Subsidiary coin.....	40,113,703.75	13,977,535.60	38,602,068.40	800,000.00		93,493,307.75
Minor coin.....	9,249,541.91	1,395,831.19	12,432,638.72	6,138,000.00		29,216,011.82
Coinage metal other than silver.....	230,842,742.15	12,955,051.46	8,363,631.50	914,641.30		253,076,066.41
All other.....	12,160.15	185,662.90	11,627.10	1,125,591.47		1,335,041.62
Total assets.....	368,452,526.88	206,834,425.39	1,844,590,973.90	2,723,998,397.78	6,221,116,953.54	11,364,993,277.49
LIABILITIES						
Bullion fund.....	128,906,640.36	186,901,654.35	1,836,104,854.23	2,723,083,756.48	6,221,116,953.54	11,096,113,858.96
Coinage metal fund.....	229,019,423.21	12,955,051.46	7,105,688.56	914,641.30		249,994,804.53
All other.....	10,526,463.31	6,977,719.58	1,380,431.11			18,884,614.00
Total liabilities.....	368,452,526.88	206,834,425.39	1,844,590,973.90	2,723,998,397.78	6,221,116,953.54	11,364,993,277.49

¹ Includes silver bullion for coinage valued at \$10,764,539.26.

TABLE 25.—Number of employees of the Bureau of the Mint, fiscal year 1979

Functions	Office of the Director ¹	Philadelphia Mint	Denver Mint	San Francisco Assay Office	Old Mint	New York Assay Office	West Point Depository	Fort Knox Depository	Total Sept. 30, 1979	Total Sept. 30, 1978
General Administration ²	163	96	67	82	82	51	21	27	589	642
Coining.....		328	190	63			37		618	596
Melting and Refining.....		1	2			54			57	67
Cash and Deposits.....		15	13	22		26	4		80	104
Numismatic Services.....		33	6	313	61				413	464
Building and Mechanical.....		143	74	52	25	15	10	3	322	335
Engraving.....		56							56	55
Assaying.....		21	7	9		7	2		46	50
Custodial.....		46	23	47	22	5	1		144	142
Total Sept. 30, 1979.....	163	739	382	588	190	158	75	30	2,325	
Total Sept. 30, 1978.....	169	752	382	552	300	195	74	31		2,455

¹The Office of the Director was composed of six divisions: Administration; Management Planning; Marketing and Statistical Services; Production; Technology, and Personnel. In addition, there were five special staffs: Legal, Internal Audit, Security, and Equal Employment Opportunity.

²Includes executive direction, accounting, personnel, protection, production, technical, etc.

TABLE 26.—U.S. coins manufactured, calendar year 1978

[For specifications, metallic composition, and designs, see table 4]

I SUMMARY

Denomination	General circulation		Numismatic ¹		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel	58,714,890	\$58,714,890.00	3,127,781	\$3,127,781.00	61,842,671	\$61,842,671.00
Silver clad			84,242	84,242.00	84,242	84,242.00
50 cents:						
Cupronickel	28,115,799	14,057,899.50	3,127,781	1,563,890.50	31,243,580	15,621,790.00
Silver clad			84,242	42,121.00	84,242	42,121.00
25 cents:						
Cupronickel	808,825,152	202,206,288.00	3,127,781	781,945.25	811,952,933	202,988,233.25
Silver clad			84,242	21,060.50	84,242	21,060.50
10 cents	946,827,540	94,682,754.00	3,127,781	312,778.10	949,955,321	94,995,532.10
5 cents	704,400,780	35,220,039.00	3,127,781	156,389.05	707,528,561	35,376,428.05
1 cent	9,838,838,400	98,388,384.00	3,127,781	31,277.81	9,841,966,181	98,419,661.81
Total	12,385,722,561	503,270,254.50	19,019,412	6,121,485.21	12,404,741,973	509,391,739.71

II. NUMBER AND FACE VALUE OF COINS PRODUCED, PHILADELPHIA AND DENVER MINTS²

Denomination	Philadelphia Mint		Denver Mint		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel	21,270,000	\$21,270,000.00	33,012,890	\$33,012,890.00	54,282,890	\$54,282,890.00
50 cents	14,350,000	7,175,000.00	13,765,799	6,882,899.50	28,115,799	14,057,899.50
25 cents	500,652,000	125,163,000.00	287,373,152	71,843,288.00	788,025,152	197,006,288.00
10 cents	663,980,000	66,398,000.00	282,847,540	28,284,754.00	946,827,540	94,682,754.00
5 cents	391,308,000	19,565,400.00	313,092,780	15,654,639.00	704,400,780	35,220,039.00
1 cent	3,735,655,000	37,356,550.00	4,280,233,400	42,802,334.00	8,015,888,400	80,158,884.00
Total	5,327,215,000	276,927,950.00	5,210,325,561	198,480,804.50	10,537,540,561	475,408,754.50

III. NUMBER AND FACE VALUE OF COINS PRODUCED, SAN FRANCISCO ASSAY OFFICE

Denomination	General circulation		Numismatic		Total coinage	
	Number of pieces	Face value	Number of pieces	Face value	Number of pieces	Face value
1 dollar:						
Cupronickel	4,432,000	\$4,432,000.00	3,127,781	\$3,127,781.00	7,559,781	\$7,559,781.00
Silver clad			84,242	84,242.00	84,242	84,242.00
50 cents:						
Cupronickel			3,127,781	1,563,890.50	3,127,781	1,563,890.50
Silver clad			84,242	42,121.00	84,242	42,121.00
25 cents:						
Cupronickel			3,127,781	781,945.25	3,127,781	781,945.25
Silver clad			84,242	21,060.50	84,242	21,060.50
10 cents			3,127,781	312,778.10	3,127,781	312,778.10
5 cents			3,127,781	156,389.05	3,127,781	156,389.05
1 cent	291,700,000	2,917,000.00	3,127,781	31,277.81	294,827,781	2,948,277.81
Total	296,632,000	7,349,000.00	19,019,412	6,121,485.21	315,151,412	13,470,485.21

¹ All numismatic coins were manufactured at the U.S. Assay Office, San Francisco, and included 3,127,781 1978 proof sets, 59,910 40-percent silver-clad Bicentennial proof sets, and 24,332 40-percent silver-clad Bicentennial uncirculated sets.

² Includes 20,800,000 quarters manufactured at the U.S. Bullion Depository at West Point.

³ Includes 1,531,250,000 1-cent coins manufactured at the U.S. Bullion Depository at West Point.

⁴ For general circulation.

NOTE.—The manufacture of Bicentennial coins was discontinued on Dec. 31, 1976, however, silver-clad sets continued to be packaged and sold after that date. Such coins reported in this table constitute those sets sold during 1978.

TABLE 27.—*Consumption of metals in the manufacture of U.S. coins, calendar year 1978*

[Based on standard weight of individual coins. See table 4]

Denomination	Metallic content—short tons				
	Silver	Copper	Nickel	Zinc	Total
Dollars:					
Regular issue		1,345.62	122.28		1,467.90
Numismatic:					
Cupronickel		71.69	6.51		78.20
Silver clad	0.91	1.37			2.28
Total	.91	1,418.68	128.79		1,548.38
Half dollars:					
Regular issue		322.17	29.28		351.45
Numismatic:					
Cupronickel		35.84	3.26		39.10
Silver clad	.43	.64			1.07
Total	.43	358.65	32.54		391.62
Quarter dollars:					
Regular issue		4,634.14	421.10		5,055.24
Numismatic:					
Cupronickel		17.92	1.63		19.55
Silver clad	.21	.32			.53
Total	.21	4,652.38	422.73		5,075.32
Dimes:					
Regular issue		2,169.93	197.18		2,367.11
Proof coins		7.17	.65		7.82
Total		2,177.10	197.83		2,374.93
5-cent pieces:					
Regular issue		2,911.76	970.58		3,882.34
Proof coins		12.93	4.31		17.24
Total		2,924.69	974.89		3,899.58
1-cent pieces:					
Regular issue		32,042.92		1,686.47	33,729.39
Proof coins		10.18		.54	10.72
Total		32,053.10		1,687.01	33,740.11
Summary:					
Regular issue		43,426.54	1,740.42	1,686.47	46,853.43
Numismatic:					
Cupronickel		125.45	11.40		136.85
Silver clad	1.55	2.33			3.88
Proof coins		30.28	4.96	.54	35.78
Grand total	1.55	43,584.60	1,756.78	1,687.01	47,029.94

TABLE 28.—Foreign coins manufactured by U.S. mints, calendar year 1978

Country and denomination	Coins manufactured	Metallic composition	Gross weight	Diameter	Thickness	Type of edge
	<i>Pieces</i>		<i>Grams</i>	<i>mm.</i>	<i>mm.</i>	
Dominican Republic: ¹						
1 peso	80,000	75 percent copper, 25 percent nickel	26.70	38.10		Reeded.
50 centavos	732,000	...do.....	12.50	30.60		Do.
25 centavos	2,580,000	...do.....	6.25	34.30		Do.
10 centavos	6,490,000	...do.....	2.50	17.90		Do.
5 centavos	4,984,000	...do.....	5.00	21.20		Smooth.
1 centavo	5,980,000	95 percent copper, 5 percent zinc.....	3.00	19.05		Do.
Total	20,846,000					
Panama: ²						
1 centesimo	10,000,000	95 percent copper, 5 percent zinc.....	3.11	19.05	1.63	Smooth.
Grand total	30,846,000					

¹Manufactured at the Philadelphia Mint.²Manufactured at the U.S. Bullion Depository, West Point.

TABLE 29.—Summary of foreign coinage by the U.S. mints, by country, through Dec. 31, 1978

Country	Number of pieces produced	Country	Number of pieces produced
Argentina (blanks)	64,058,334	Honduras	115,929,500
Australia	168,000,000	Indo-China	135,270,000
Belgian Congo	25,000,000	Israel	91,000
Belgium	25,000,000	Korea	295,000,000
Bolivia	30,000,000	Liberia	56,744,679
Brazil (blanks)	406,249,266	Mexico	91,076,840
Canada	85,170,000	Mexico (blanks)	175,714,411
China	39,720,096	Nepal	195,608
China, Republic of (Taiwan)	428,172,000	Netherlands	562,500,000
Colombia	133,461,872	Neth. E. Indies	1,716,368,000
Costa Rica	131,798,820	Nicaragua	26,080,000
Cuba	496,559,888	Panama (Republic)	162,838,428
Curacao	12,000,000	Peru	761,067,479
Dominican Republic	74,766,207	Philippines	3,483,718,169
Ecuador	214,451,060	Poland	6,000,000
El Salvador	226,695,351	Saudi Arabia	124,712,574
Ethiopia	375,433,730	Siam (Thailand)	20,000,000
Fiji	4,800,000	Surinam (Netherlands Guiana)	21,195,000
France	50,000,000	Syria	7,350,000
Greenland	100,000	Venezuela	306,762,944
Guatemala	7,835,000		
Haiti	88,324,000	Total (42 countries)	11,158,160,256
Hawaii ¹	1,950,000		

¹ Coined prior to Aug. 21, 1959, when Hawaii became the 50th State of the Union.

TABLE 30.—Summary of foreign coinage by the U.S. mints, by calendar year, through Dec. 31, 1978

Calendar year	Number of pieces produced	Calendar year	Number of pieces produced
July 1, 1875-Dec. 31, 1905	155,896,973	1941	208,603,500
1906.....	10,204,504	1942	307,737,000
1907.....	45,253,047	1943	186,682,008
1908.....	29,645,359	1944	788,498,000
1909.....	11,298,981	1945	1,802,376,004
1910.....	7,153,818	1946	504,528,000
1911.....	7,794,406	1947	277,376,094
1912.....	6,244,348	1948	21,950,000
1913.....	7,309,258	1949	156,687,940
1914.....	17,335,005	1950	2,000,000
1915.....	55,485,190	1951	25,450,000
1916.....	37,441,328	1952	45,857,000
1917.....	25,208,497	1953	193,673,000
1918.....	60,102,000	1954	19,015,000
1919.....	100,269,195	1955	67,550,000
1920.....	99,002,334	1956	38,793,500
1921.....	55,094,352	1957	59,264,000
1922.....	7,863,030	1958	152,575,000
1923.....	4,369,000	1959	129,647,000
1924.....	12,663,196	1960	238,400,000
1925.....	13,461,000	1961	148,500,000
1926.....	14,987,000	1962	256,485,000
1927.....	3,650,000	1963	293,515,000
1928.....	16,701,000	1964 .....	.....
1929.....	34,980,000	1965 .....	.....
1930.....	3,300,120	1966	7,440,000
1931.....	4,498,020	1967	176,196,206
1932.....	9,756,096	1968	416,088,658
1933.....	15,240,000	1969	348,653,046
1934.....	24,280,000	1970	483,988,392
1935.....	109,600,850	1971	207,959,692
1936.....	32,350,000	1972	392,723,895
1937.....	26,800,000	1973	295,408,674
1938.....	48,579,644	1974	373,293,733
1939.....	15,725,000	1975	762,126,363
1940.....	33,170,000	1976	562,372,000
		1977	13,188,000
		1978	30,846,000
		Total	11,158,160,256

NOTE.—For details of foreign coins produced by U.S. mints, 1876–1976, see separate Mint report, "Domestic and Foreign Coins Manufactured by Mints of the United States 1793–1976," pages 85–122. For calendar year 1977 data, see table 28, 1978 annual report; for 1978 data, see table 28 of this report.

TABLE 31.—*Gold transactions of the Bureau of the Mint, calendar year 1978*

[In fine ounces rounded to whole ounces]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Dec. 31, 1977	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Dec. 31, 1978
Philadelphia	1,734		1,734	949	785
San Francisco	3,340,077		3,340,077		3,340,077
Denver	40,524,746	68	40,524,814	79	40,524,735
New York	74,960,856	1,433,213	76,394,069	2,561,619	73,832,450
Fort Knox	147,342,351		147,342,351	30	147,342,321
Total	266,169,764	1,433,281	267,603,045	2,562,677	265,040,368

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia				
San Francisco				
Denver			68	68
New York	¹ 1,432,169		1,044	1,433,213
Fort Knox				
Total	1,432,169		1,112	1,433,281

DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine bars issued to depositors	Sold in sweeps, operating losses, etc.	Sold	Transfers to mints and assay offices	Total disbursements
Philadelphia				949	949
San Francisco					
Denver				79	79
New York	4,246	3,763	² 2,553,556	54	2,561,619
Fort Knox				30	30
Total	4,246	3,763	2,553,556	1,112	2,562,677

¹ Includes 1,427,922 fine troy ounces transferred from the U.S. Treasury gold account at the Bank of Canada, Ottawa.² Sold at GSA auctions.

TABLE 32.—Gold transactions of the Bureau of the Mint, calendar year 1978, dollar value

[Valued at \$42.2222 per fine troy ounce]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Dec. 31, 1977	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Dec. 31, 1978
Philadelphia	\$73,188	\$24	\$73,212	\$40,080	\$33,132
San Francisco	141,025,413		141,025,413		141,025,413
Denver	1,711,043,920	2,876	1,711,046,796	3,350	1,711,043,446
New York	3,165,012,252	60,513,409	3,225,525,661	108,157,186	3,117,368,475
Fort Knox	6,221,118,227		6,221,118,227	1,273	6,221,116,954
Total	11,238,273,000	60,516,309	11,298,789,309	108,201,889	11,190,587,420

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia		\$24		\$24
San Francisco				
Denver			\$2,876	2,876
New York	\$60,469,311		44,098	60,513,409
Fort Knox				
Total:	60,469,311	24	46,974	60,516,309

DETAILED DISBURSEMENTS OF GOLD BULLION

Institution	Fine bars issued to depositors	Sold in sweeps, operating losses, etc.	Sold	Transfers to mints and assay offices	Total disbursements
Philadelphia				\$40,080	\$40,080
San Francisco					
Denver				3,350	3,350
New York	\$179,286	\$158,862	\$107,816,766	2,272	108,157,186
Fort Knox				1,273	1,273
Total	179,286	158,862	107,816,766	46,975	108,201,889

¹ Includes gold valued at \$60,290,026 transferred from the U.S. Treasury gold account at the Bank of Canada, Ottawa.² Sold at GSA auctions.

**TABLE 33.—Silver bullion transactions of the Bureau of the Mint,
calendar year 1978**

	<i>Fine troy ounces</i>
Balance on hand Dec. 31, 1977:	
Silver bullion ordinary.....	23,128,624.00
Silver bullion for coinage.....	8,325,698.34
Coinage metal fund silver.....	7,905,735.34
Total.....	39,360,057.68
Increases during the calendar year:	
At market value.....	206.24
Deposits in exchange for bars.....	2,294,698.26
All other.....	2,102.23
Total increases.....	2,297,006.73
Decreases during the calendar year:	
Sold.....	160,226.84
Manufactured into U.S. silver clad coin.....	45,330.43
Bars issued in exchange for deposits.....	2,294,698.26
All other.....	10.68
Total decreases.....	2,500,266.21
Balance on hand Dec. 31, 1978:	
Silver bullion ordinary.....	22,970,431.91
Silver bullion for coinage.....	8,325,698.34
Coinage metal fund silver.....	7,860,667.95
Total.....	39,156,798.20

TABLE 34.—Analysis of monetary assets and liabilities of the Bureau of the Mint, Dec. 31, 1978

Item	Philadelphia Mint	San Francisco Assay Office	Denver Mint	New York Assay Office and West Point Depository	Fort Knox Depository	Total
ASSETS						
Gold bullion.....	\$93,942.74	\$141,025,413.41	\$1,711,043,446.46	\$3,117,381,843.50	\$6,221,116,953.54	\$11,190,661,599.65
Silver bullion.....	132,259.57	458.83	135,295.22	¹ 41,040,626.39.....		41,308,640.01
Cupronickel clad dollar coin	33,315,550.00	5,904,680.00	901,000.00.....			40,121,230.00
Subsidiary coin.....	73,717,620.90	11,045,000.00	43,084,000.00	22,332,000.00.....		150,178,620.90
Minor coin.....	10,085,813.26	333,637.51	13,242,950.00	5,671,500.00.....		29,333,900.77
Coinage metal other than silver.....	217,900,129.17	15,876,499.94	-12,324,389.57	511,285.25.....		221,963,524.79
All other.....	9,732.74	185,172.85	39,535.79	1,026,806.06.....		1,261,247.44
Total assets.....	335,255,048.38	174,370,862.54	1,756,121,837.90	3,187,964,061.20	6,221,116,953.54	11,674,828,763.56
LIABILITIES						
Bullion fund.....	117,258,526.40	155,320,177.42	1,767,894,047.36	3,187,452,775.95	6,221,116,953.54	11,449,042,480.67
Coinage metal fund.....	217,622,710.03	15,876,499.94	-12,434,558.02	456,488.68.....		221,521,140.63
All other.....	373,811.95	3,174,185.18	662,348.56	54,796.57.....		4,265,142.26
Total liabilities.....	335,255,048.38	174,370,862.54	1,756,121,837.90	3,187,964,061.20	6,221,116,953.54	11,674,828,763.56

¹ Includes silver bullion for coinage valued at \$10,764,539.26.

**U.S. GOLD, SILVER, AND COINAGE
METALS: Production and Market Prices**

U.S. Mine Production of Gold and Silver, 1979

Mines in the United States produced 877,290 fine troy ounces of recoverable domestic gold and 37,067,978 fine troy ounces of recoverable domestic silver during 1979. The Bureau of Mines, which is the source of detailed and widely used gold and silver industry information, has provided the data that follows.

Mine production of recoverable gold in the United States, by States, calendar years 1975-79

[Content of ores]

State	1975	1976	1977	1978	1979 ^a
	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Alaska	14,980	22,887	18,962	18,652	3,163
Arizona	85,790	102,062	90,167	92,989	100,159
California	9,606	10,392	5,704	7,480	7,723
Colorado	55,483	50,764	72,668	32,094	15,101
Idaho	2,529	2,755	12,894	20,492	26,362
Montana	17,259	24,075	22,348	19,967	26,129
Nevada	332,814	287,962	324,003	260,895	179,365
New Mexico	15,049	15,198	13,560	9,879	15,179
Oregon	(¹)	28	675	340	3,956
South Dakota	304,935	318,511	304,846	285,512	247,640
Tennessee	(¹)	(¹)	13	(¹)	(¹)
Utah	189,620	187,318	210,501	235,929	235,372
Washington	(¹)	(¹)	24,006	(¹)	(¹)
Other States	24,187	26,085		14,603	17,141
Total	1,052,252	1,048,037	1,100,347	998,832	877,290

¹ Production combined to avoid disclosing individual company confidential data is included with "Other States," which also includes Illinois and Texas.

^aPreliminary.

SOURCE.—Bureau of Mines, U. S. Department of the Interior.

Mine production of recoverable silver in the United States, by States, calendar years 1975-79

[Content of ores]

State	1975	1976	1977	1978	1979 ^a
	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Alaska	(¹)	3,265	1,725	2,052	287
Arizona	6,285,854	7,615,112	6,828,145	6,637,838	7,380,652
California	79,757	57,265	57,891	58,014	63,068
Colorado	3,366,000	4,083,171	4,663,496	4,217,181	2,898,949
Idaho	13,868,133	11,561,421	15,291,964	18,379,417	17,208,548
Maine	(¹)	(¹)			
Michigan	632,336	310,837	335,479	353,554	(¹)
Missouri	2,525,042	2,277,013	2,362,752	2,056,053	1,979,015
Montana	2,616,626	3,278,629	3,367,442	2,918,317	3,301,384
Nevada	1,608,735	783,892	738,402	803,887	35,477
New Mexico	792,050	891,932	918,155	894,833	1,169,770
New York	56,047	49,199	56,353	20,911	(¹)
Oregon	(¹)		7,134	1,714	1,727
South Dakota	67,669	58,117	68,717	53,099	66,941
Tennessee	53,752	77,890	60,246	(¹)	(¹)
Utah	2,821,730	3,134,021	3,283,323	2,885,065	2,415,514
Washington	(¹)	(¹)	120,582	(¹)	(¹)
Other States	163,851	146,466	3,897	103,435	546,646
Total	34,937,582	34,328,230	38,165,703	39,385,370	37,067,978

¹ Production combined to avoid disclosing individual company confidential data and included with "Other States," which also includes Illinois and Texas.

^aPreliminary.

SOURCE.—Bureau of Mines, U.S. Department of the Interior.

Gold and Silver Issued for Nonmonetary Use

During the last 5 calendar years it is estimated that the following amounts of gold and silver were consumed for industrial, professional, and artistic purposes in the United States.

Gold and silver issued for industrial, professional, and artistic use in the United States

Calendar year	Gold	Silver
	<i>Fine ounces</i>	<i>Fine ounces</i>
1975.....	3,993,000	157,700,000
1976.....	4,648,000	170,500,000
1977.....	4,859,000	153,600,000
1978.....	4,738,000	160,210,000
1979.....	^p 4,672,000	^p 157,418,000

SOURCE.—Bureau of Mines, U.S. Department of the Interior.

^pPreliminary.

Prices of Gold, Silver, and Coinage Metals

Gold

The monetary value of gold in the United States has been \$42.22 per fine troy ounce since October 18, 1973, when, pursuant to the amendments to Par Value Modification Act of September 21, 1973, it was changed from \$38 per fine troy ounce. The gold content of the dollar is 12.63157895 grains of gold 9/10 fine or "0.828948 Special Drawing Right or, the equivalent in terms of gold of 42 $\frac{2}{3}$ dollars per fine troy ounce of gold." The following table shows the monetary value of gold from the establishment of the U.S. monetary system under the Constitution in 1792. Daily price quotations for newly mined domestic gold from September 8, 1933, through January 1934 are also presented.

Monetary value of gold in the United States since establishment of the monetary system under the Constitution in 1792

Legislative reference	Number of grains of standard gold in 1 dollar	Fineness (thousandths)	Number of grains of pure gold in 1 dollar	Value of 1 fine troy ounce of gold (480 grains)
Act of Apr. 2, 1792	27	916 $\frac{2}{3}$	24.75	\$19.39393939
Act of June 28, 1834	25.8	899.225	23.2	20.68965517
Act of Jan. 18, 1837	25.8	900	23.22	20.67183462
Act of Feb. 12, 1873	25.8	900	23.22	20.67183462
Act of Mar. 14, 1900	25.8	900	23.22	20.67183462
Proclamation of Jan. 31, 1934, issued pursuant to act of May 12, 1933, and Gold Reserve Act of Jan. 30, 1934	15 $\frac{1}{2}$ (15.23809524)	900	13.71428572	35.00
Act of Mar. 31, 1972 (effective May 8, 1972)	14.03508772	900	12.63157895	38.00
Act of Sept. 21, 1973 (effective Oct. 18, 1973)	12.63157895	900	11.36842105	42.22222222

*Daily price quotations for newly mined domestic gold in the United States
from Sept. 8, 1933, to Jan. 31, 1934¹*

[Per fine ounce]

Day of month	Sept.	Oct.	Nov.	Dec.	Jan.	Day of month	Sept.	Oct.	Nov.	Dec.	Jan.
1.....			\$32.26	\$34.01		17.....		\$29.86	\$33.56		\$34.45
2.....		\$31.88	32.36	34.01	\$34.06	18.....	\$31.44	30.33	33.56	\$34.06	34.45
3.....		32.12	32.57		34.06	19.....	31.64	29.18		34.06	34.45
4.....		31.79	32.67	34.01	34.06	20.....	32.28	29.13	33.66	34.06	34.45
5.....		31.55		34.01	34.06	21.....	31.33	29.01	33.76	34.06	
6.....		31.72	32.84	34.01	34.06	22.....	31.75		33.76	34.06	34.45
7.....		31.20		34.01		23.....	31.86	29.59	33.76	34.06	34.45
8.....	\$29.62		33.05	34.01	34.06	24.....		29.80	33.76		34.45
9.....	29.12	31.14	33.15	34.01	34.06	25.....	31.30	31.36	33.76		34.45
10.....		31.26	33.20		34.06	26.....	31.49	31.54		34.06	34.45
11.....	29.10	30.91	33.32	34.01	34.06	27.....	31.35	31.76	33.76	34.06	34.45
12.....	29.21			34.01	34.06	28.....	31.05	31.82	33.85	34.06	
13.....	29.48	30.62	33.45	34.01	34.06	29.....	31.33		33.93	34.06	34.45
14.....	29.77	29.83	33.56	34.01		30.....	31.46	31.96		34.06	34.45
15.....	30.41		33.56	34.01	34.06	31.....		32.12			34.45
16.....	30.49	29.00	33.56	34.01	34.45						

¹ Prices shown from Sept. 8 through Oct. 24, 1933, represent the price at which the Secretary of the Treasury was authorized to sell newly mined domestic gold received on consignment under authority of Executive order of Aug. 29, 1933. Quotations from Oct. 25, 1933, through Jan. 15, 1934, represent the price fixed for newly mined domestic gold by the Reconstruction Finance Corporation in consultation with the Secretary of the Treasury and the President, which was offered in payment for notes of the Reconstruction Finance Corporation, under authority of Executive order of Oct. 25, 1933. (This order revoked the Executive order of Aug. 29.) Quotations from Jan. 15, to Jan. 31, 1934, represent the price at which the Federal Reserve Bank of New York as fiscal agent purchased newly mined domestic gold consigned to the mints and assay offices. Payment for this gold when coined was made by the Treasury with a special issue of Treasury bonds, series of Apr. 16, 1934. Under regulations issued by the Treasury Department Jan. 31, 1934, the mints are authorized to purchase newly mined domestic gold, unmelted scrap gold, and gold imported into the United States after Jan. 30, 1934, at \$35 less one-fourth of 1 percent and less mint charges.

SOURCE:—"Annual Report of the Secretary of Treasury on the State of the Finances for the Fiscal Year Ended June 30, 1934," p. 205.

From January 30, 1934, until March 1968, the gold transactions of the U.S. Government for both monetary and industrial purposes were made at \$35 per fine ounce, plus or minus a handling charge of one quarter of 1 percent and less mint charges. In 1968 a two-tiered gold system was instituted under which the private commodity price of gold is permitted to fluctuate without official intervention, while the official price and role of monetary gold remain unchanged among monetary authorities.

Following the termination of Treasury gold transactions on March 18, 1968, the Treasury issued gold licenses to certain banks and commodity firms to perform this service. The accompanying tables contain the daily market quotations for gold issued by two firms during the calendar years 1978 and 1979.

Daily market prices for industrial gold in the United States, quoted by Handy & Harman, New York, N.Y., for 1978

[Lowest prices at which offers can be obtained by Handy & Harman for gold, minimum 99.95 percent purity, for nearby delivery at New York in quantities sufficient to meet its needs]

Day	January	February	March	April	May	June
1	(*)	\$176.40	\$182.85	(*)	\$169.55	\$183.35
2	(*)	175.20	184.25	(*)	169.25	184.75
3	\$169.20	175.60	183.80	\$183.75	170.80	(*)
4	172.20	(*)	(*)	180.85	173.55	(*)
5	165.95	(*)	(*)	178.75	173.15	183.40
6	170.15	175.95	184.75	181.35	(*)	181.40
7	(*)	175.55	186.60	179.45	(*)	183.30
8	(*)	174.70	190.35	(*)	172.55	182.95
9	170.25	172.85	188.65	(*)	172.70	181.60
10	173.10	174.60	186.25	178.70	174.30	(*)
11	172.15	(*)	(*)	179.95	175.70	(*)
12	173.55	(*)	(*)	180.35	174.70	180.65
13	172.80	177.35	186.85	178.95	(*)	182.35
14	(*)	177.40	188.05	178.50	(*)	183.95
15	(*)	178.95	186.70	(*)	175.60	182.40
16	174.90	179.70	184.25	(*)	175.80	184.85
17	173.30	179.45	183.20	174.65	177.85	(*)
18	172.30	(*)	(*)	173.85	178.25	(*)
19	173.45	(*)	(*)	175.00	179.15	184.60
20	(*)	(*)	181.00	168.90	(*)	186.50
21	(*)	181.45	177.65	171.15	(*)	186.60
22	(*)	181.50	179.35	(*)	179.55	185.55
23	175.55	183.20	179.30	(*)	180.10	185.80
24	176.80	180.75	(*)	168.85	179.75	(*)
25	177.85	(*)	(*)	167.90	178.95	(*)
26	176.15	(*)	(*)	169.25	179.80	185.50
27	176.40	181.15	182.50	169.90	(*)	184.25
28	(*)	182.25	183.80	170.85	(*)	185.35
29	(*)		181.50	(*)	(*)	184.30
30	175.20		179.85	(*)	182.65	183.05
31	176.10		181.60		184.15	

Day	July	August	September	October	November	December
1	(*)	\$205.35	\$208.25	(*)	\$227.75	\$194.65
2	(*)	203.50	(*)	\$217.35	221.50	(*)
3	\$183.25	202.45	(*)	221.65	215.20	(*)
4	(*)	201.80	(*)	223.75	(*)	199.50
5	184.45	(*)	209.70	222.70	(*)	196.65
6	183.00	(*)	212.00	223.35	210.25	196.50
7	183.95	204.30	210.75	(*)	216.60	198.55
8	(*)	207.20	206.15	(*)	219.05	202.00
9	(*)	207.95	(*)	(*)	213.95	(*)
10	186.05	206.75	(*)	225.55	206.25	(*)
11	185.50	211.15	205.90	226.55	(*)	207.00
12	186.30	(*)	208.25	225.80	(*)	202.15
13	186.70	(*)	209.95	224.50	208.10	203.10
14	186.00	213.75	209.50	(*)	211.25	204.25
15	(*)	213.45	212.15	(*)	204.40	205.60
16	(*)	216.00	(*)	223.65	196.30	(*)
17	185.05	209.25	(*)	228.00	197.95	(*)
18	185.10	212.00	210.25	229.25	(*)	213.15
19	185.95	(*)	211.70	225.65	(*)	216.30
20	188.65	(*)	213.85	227.95	199.10	216.60
21	192.00	205.15	215.90	(*)	200.20	212.60
22	(*)	207.65	214.60	(*)	199.25	215.10
23	(*)	200.45	(*)	227.00	(*)	(*)
24	195.45	203.25	(*)	226.05	(*)	(*)
25	193.55	198.25	218.65	231.15	(*)	(*)
26	194.55	(*)	218.25	233.95	(*)	214.75
27	194.30	(*)	215.05	234.75	198.40	220.50
28	201.30	199.60	218.15	(*)	196.40	220.65
29	(*)	199.95	217.10	(*)	195.60	226.00
30	(*)	205.05	(*)	242.75	193.40	(*)
31	200.50	208.70		242.60		(*)

* Market closed.

Daily market prices for industrial gold in the United States, quoted by Handy & Harman, New York, N.Y., for 1979

[Lowest prices at which offers can be obtained by Handy & Harman for gold, minimum 99.95 percent purity, for nearby delivery at New York in quantities sufficient to meet its needs]

Day	January	February	March	April	May	June
1	(*)	\$229.60	\$249.05	(*)	\$247.30	\$275.35
2	\$226.80	230.30	248.00	\$239.95	246.55	(*)
3	218.85	(*)	(*)	240.00	246.50	(*)
4	223.15	(*)	(*)	240.00	248.70	273.15
5	225.50	243.10	238.40	240.65	(*)	275.00
6	(*)	244.50	240.00	240.00	(*)	280.25
7	(*)	251.60	242.50	(*)	251.50	276.05
8	223.35	250.50	239.45	(*)	248.95	280.25
9	224.25	246.75	241.00	240.45	248.20	(*)
10	220.95	(*)	(*)	240.00	252.25	(*)
11	220.65	(*)	(*)	238.60	251.50	282.60
12	217.85	244.50	240.25	234.20	(*)	277.75
13	(*)	240.60	239.35	(*)	(*)	276.60
14	(*)	240.90	239.75	(*)	251.25	279.00
15	217.10	248.00	240.10	(*)	255.75	280.00
16	220.90	247.30	244.25	230.50	256.50	(*)
17	227.50	(*)	(*)	231.90	257.05	(*)
18	231.75	(*)	(*)	233.45	256.40	278.00
19	230.55	(*)	242.25	240.90	(*)	280.55
20	(*)	247.00	242.35	236.40	(*)	281.60
21	(*)	251.00	239.90	(*)	262.25	282.30
22	235.25	252.60	243.10	(*)	265.40	283.45
23	230.00	251.00	242.50	237.10	264.15	(*)
24	236.10	(*)	(*)	239.70	264.00	(*)
25	233.85	(*)	(*)	241.80	270.60	283.85
26	235.45	248.85	245.25	242.20	(*)	281.45
27	(*)	248.15	244.60	243.70	(*)	281.80
28	(*)	251.55	244.65	(*)	(*)	275.90
29	235.20		241.50	(*)	273.80	277.50
30	233.75		240.35	245.55	270.25	(*)
31	233.70		(*)		274.85	

Day	July	August	September	October	November	December
1	(*)	\$290.35	(*)	\$415.00	\$378.75	(*)
2	\$282.50	291.50	(*)	426.25	373.05	(*)
3	281.35	286.75	(*)	402.25	(*)	\$429.00
4	(*)	(*)	\$325.00	384.25	(*)	431.20
5	288.25	(*)	329.25	385.25	381.25	426.65
6	290.25	282.95	335.50	(*)	384.55	434.00
7	(*)	285.10	329.15	(*)	395.25	430.65
8	(*)	289.00	(*)	(*)	389.75	(*)
9	287.85	297.35	(*)	386.05	389.75	(*)
10	290.50	304.00	336.55	413.25	(*)	431.40
11	290.30	(*)	339.75	401.50	(*)	445.50
12	290.75	(*)	337.10	395.00	393.50	446.50
13	287.45	299.00	333.20	(*)	387.45	459.05
14	(*)	292.25	346.05	(*)	390.00	457.05
15	(*)	302.10	(*)	403.20	386.25	(*)
16	293.05	298.10	(*)	394.50	390.60	(*)
17	296.30	300.80	351.75	386.25	(*)	469.50
18	302.40	(*)	376.00	380.50	(*)	477.75
19	299.40	(*)	369.25	393.00	390.10	488.75
20	298.75	299.00	380.25	(*)	388.00	471.50
21	(*)	300.75	369.25	(*)	396.40	473.10
22	(*)	311.25	(*)	392.00	(*)	(*)
23	304.90	310.05	(*)	385.00	(*)	(*)
24	305.25	314.75	380.65	395.00	(*)	(*)
25	303.35	(*)	376.95	392.05	(*)	(*)
26	305.20	(*)	373.75	375.25	395.25	499.00
27	305.80	314.60	395.50	(*)	394.00	515.50
28	(*)	317.00	397.50	(*)	411.45	512.00
29	(*)	315.45	(*)	374.25	411.95	(*)
30	301.65	319.40	(*)	377.85	415.90	(*)
31	296.70	315.35		382.25		(*)

* Market closed.

Daily market prices for industrial gold in the United States, quoted by Engelhard Minerals & Chemicals Corp., New York, N.Y., for 1978¹

Day	January	February	March	April	May	June
1	(*)	\$176.90	\$183.00	(*)	\$169.85	\$183.30
2	(*)	175.35	184.75	(*)	169.40	185.05
3	\$169.70	175.75	183.95	\$183.90	170.95	(*)
4	172.35	(*)	(*)	181.00	173.80	(*)
5	166.20	(*)	(*)	178.90	173.30	183.40
6	170.40	176.10	184.90	181.50	(*)	181.35
7	(*)	(*)	186.75	179.60	(*)	183.25
8	(*)	175.20	190.50	(*)	172.70	182.90
9	170.75	173.35	188.80	(*)	173.20	181.60
10	173.60	175.10	186.40	179.20	174.45	(*)
11	172.65	(*)	(*)	180.10	175.85	(*)
12	174.05	(*)	(*)	180.50	175.20	180.85
13	172.95	177.50	187.00	179.10	(*)	182.65
14	(*)	177.90	188.55	179.00	(*)	184.00
15	(*)	179.10	186.85	(*)	175.75	182.45
16	175.40	179.85	184.75	(*)	176.30	184.90
17	173.45	179.95	183.70	174.80	178.00	(*)
18	172.45	(*)	(*)	174.00	178.40	(*)
19	173.95	(*)	(*)	175.15	179.30	184.90
20	(*)	(*)	181.50	169.05	(*)	186.80
21	(*)	181.95	177.80	171.40	(*)	186.65
22	(*)	181.65	179.85	(*)	179.70	185.60
23	175.70	183.70	179.80	(*)	180.25	185.85
24	176.95	181.25	(*)	169.00	179.90	(*)
25	178.00	(*)	(*)	168.15	179.10	(*)
26	176.30	(*)	(*)	169.40	179.95	185.55
27	176.90	181.30	181.75	170.40	(*)	184.55
28	(*)	182.75	184.30	171.35	(*)	185.65
29	(*)	.....	181.90	(*)	(*)	184.60
30	175.70	.....	180.25	(*)	182.80	183.35
31	176.25	.....	182.10	.....	184.65	.....

Day	July	August	September	October	November	December
1	(*)	\$205.40	\$208.30	(*)	\$227.80	\$194.95
2	(*)	203.55	(*)	\$217.40	221.80	(*)
3	\$183.55	202.50	(*)	221.70	215.50	(*)
4	(*)	201.85	(*)	223.80	(*)	199.55
5	184.50	(*)	209.75	223.00	(*)	196.70
6	183.05	(*)	212.30	223.40	210.35	196.55
7	184.25	204.35	210.80	(*)	(*)	198.60
8	(*)	207.25	206.20	(*)	219.10	202.30
9	(*)	208.25	(*)	222.75	214.00	(*)
10	186.35	206.80	(*)	225.60	206.55	(*)
11	185.80	211.45	205.95	226.60	(*)	207.30
12	186.60	(*)	208.30	225.85	(*)	202.20
13	187.00	(*)	210.00	224.80	208.40	203.15
14	186.30	213.80	209.55	(*)	211.30	204.30
15	(*)	213.50	212.45	(*)	204.45	205.90
16	(*)	216.05	(*)	223.70	196.60	(*)
17	185.35	209.30	(*)	228.05	198.25	(*)
18	185.15	212.05	210.30	229.30	(*)	213.20
19	186.00	(*)	211.75	229.95	(*)	216.60
20	188.70	(*)	213.90	228.25	199.15	216.90
21	192.05	205.20	215.95	(*)	200.50	212.90
22	(*)	207.70	214.65	(*)	199.30	215.40
23	(*)	200.50	(*)	227.05	(*)	(*)
24	195.50	203.30	(*)	226.10	(*)	(*)
25	193.60	198.30	218.70	231.20	(*)	(*)
26	194.60	(*)	218.55	234.00	(*)	(*)
27	194.35	(*)	215.10	234.80	198.70	220.80
28	201.60	199.70	218.20	(*)	196.45	220.95
29	(*)	200.00	217.40	(*)	195.90	226.30
30	(*)	205.10	(*)	243.05	193.70	(*)
31	200.55	209.00	.....	242.90	.....	(*)

¹ Selling prices for 100-ounce bars 99.95 percent fine or better in lots of 1,000 ounces.

* Market closed.

*Daily market prices for industrial gold in the United States, quoted by
Engelhard Minerals & Chemicals Corp., New York, N.Y., for 1979¹*

Day	January	February	March	April	May	June
1.....	(*)	\$229.65	\$249.10	(*)	\$247.60	\$275.40
2.....	\$227.10	230.60	248.30	\$240.00	246.60	(*)
3.....	218.90	(*)	(*)	240.30	246.80	(*)
4.....	223.45	(*)	(*)	240.05	248.75	273.20
5.....	225.80	243.40	238.45	240.95	(*)	275.05
6.....	(*)	244.80	240.05	240.05	(*)	280.30
7.....	(*)	251.90	242.55	(*)	251.75	276.35
8.....	223.40	250.80	239.50	(*)	249.25	280.30
9.....	224.30	247.05	241.30	240.50	248.25	(*)
10.....	221.00	(*)	(*)	240.05	252.55	(*)
11.....	220.95	(*)	(*)	238.65	251.80	282.65
12.....	217.90	244.55	240.30	234.25	(*)	278.05
13.....	(*)	240.90	239.40	(*)	(*)	276.90
14.....	(*)	240.95	239.80	(*)	251.30	279.30
15.....	217.15	248.05	240.40	(*)	255.80	280.30
16.....	220.95	247.35	244.30	232.60	256.80	(*)
17.....	227.55	(*)	(*)	232.20	257.10	(*)
18.....	232.05	(*)	(*)	233.50	256.70	278.30
19.....	230.85	(*)	242.55	241.20	(*)	280.60
20.....	(*)	247.30	242.40	236.70	(*)	281.65
21.....	(*)	251.05	240.20	(*)	262.30	282.60
22.....	235.30	252.65	243.15	(*)	265.70	283.75
23.....	230.30	251.30	242.80	237.15	264.45	(*)
24.....	236.40	(*)	(*)	240.00	264.05	(*)
25.....	234.15	(*)	(*)	242.10	270.90	284.15
26.....	235.75	248.90	245.55	242.50	(*)	281.75
27.....	(*)	248.20	244.65	244.00	(*)	282.10
28.....	(*)	251.60	244.70	(*)	(*)	276.20
29.....	235.50	.....	241.80	(*)	274.10	277.80
30.....	233.80	.....	240.40	245.60	270.55	(*)
31.....	234.00	.....	(*)	.....	274.90	.....

Day	July	August	September	October	November	December
1.....	(*)	\$290.40	(*)	\$415.25	\$378.80	(*)
2.....	\$282.80	291.80	(*)	426.40	373.10	(*)
3.....	281.65	286.80	(*)	402.30	(*)	\$429.10
4.....	(*)	(*)	\$325.40	384.45	(*)	431.50
5.....	288.55	(*)	329.30	385.30	381.30	426.75
6.....	290.55	283.00	335.80	(*)	(*)	434.05
7.....	(*)	285.40	329.45	(*)	395.30	430.70
8.....	(*)	289.30	(*)	372.35	389.80	(*)
9.....	288.15	297.40	(*)	386.10	389.80	(*)
10.....	290.80	304.05	336.60	413.30	(*)	431.45
11.....	290.60	(*)	339.80	401.80	(*)	445.80
12.....	291.05	(*)	337.40	395.30	393.55	446.55
13.....	287.75	299.05	333.25	(*)	387.50	459.10
14.....	(*)	292.30	346.10	(*)	390.30	457.30
15.....	(*)	302.15	(*)	403.20	386.30	(*)
16.....	293.10	298.15	(*)	394.60	390.65	(*)
17.....	296.60	300.85	352.20	386.40	(*)	469.80
18.....	302.45	(*)	376.15	380.80	(*)	478.05
19.....	299.45	(*)	369.55	393.30	390.15	488.90
20.....	299.05	299.05	380.40	(*)	388.05	471.80
21.....	(*)	300.80	369.55	(*)	396.45	473.40
22.....	(*)	311.30	(*)	392.30	(*)	(*)
23.....	305.20	310.35	(*)	385.45	(*)	(*)
24.....	305.55	315.05	380.75	395.30	(*)	(*)
25.....	303.65	(*)	377.00	392.10	(*)	(*)
26.....	305.50	(*)	374.05	375.30	395.55	(*)
27.....	306.10	313.75	395.80	(*)	394.05	517.00
28.....	(*)	317.15	397.60	(*)	411.50	512.40
29.....	(*)	315.50	(*)	374.30	412.00	(*)
30.....	301.70	319.45	(*)	377.90	415.95	(*)
31.....	296.75	315.40	.....	382.35	.....	(*)

¹ Selling prices for 100-ounce bars 99.95 percent fine or better in lots of 1,000 ounces.

* Market closed.

Silver

The New York market prices of silver during the calendar years 1978 and 1979 are contained in the first two of the three tables that follow. The price, as published daily by Handy & Harman, is defined as follows: "The daily silver quotation reported by Handy & Harman, in cents and tenths of a cent per troy ounce, is the lowest price at which offers can be obtained by Handy & Harman for silver in commercial bar form, in accordance with ASTM Designation: B413-69 Specification for Refined Silver, Grade 99.90 for nearby delivery at New York, in quantities sufficient to meet its requirements."

The third table provides the annual extremes and averages of silver prices, per troy ounce, for the calendar years 1874-1979.

Daily spot silver quotations per troy ounce for commercial bars 999/1000 fine in New York in 1978

[See table, page 93, for annual high, low, and average prices]

Day	January	February	March	April	May	June
1.....	(*)	\$4.950	\$4.933	(*)	\$4.951	\$5.383
2.....	(*)	4.875	5.005	(*)	4.975	5.471
3.....	\$4.910	4.888	4.990	\$5.396	5.035	(*)
4.....	4.918	(*)	(*)	5.161	5.087	(*)
5.....	4.829	(*)	(*)	5.244	5.070	5.317
6.....	4.903	4.895	4.998	5.265	(*)	5.303
7.....	(*)	4.850	5.210	5.218	(*)	5.348
8.....	(*)	4.846	5.310	(*)	5.027	5.265
9.....	4.915	4.836	5.334	(*)	5.044	5.248
10.....	4.935	4.900	5.285	5.228	5.060	(*)
11.....	4.915	(*)	(*)	5.260	5.087	(*)
12.....	4.915	(*)	(*)	5.310	5.032	5.236
13.....	4.895	4.935	5.420	5.225	(*)	5.279
14.....	(*)	4.920	5.465	5.185	(*)	5.290
15.....	(*)	4.975	5.436	(*)	5.074	5.230
16.....	4.965	5.009	5.396	(*)	5.059	5.315
17.....	4.935	5.006	5.456	5.065	5.139	(*)
18.....	4.898	(*)	(*)	5.050	5.140	(*)
19.....	4.915	(*)	(*)	5.040	5.146	5.330
20.....	(*)	(*)	5.241	4.961	(*)	5.375
21.....	(*)	5.035	5.231	5.010	(*)	5.350
22.....	(*)	5.005	5.266	(*)	5.170	5.285
23.....	4.973	5.015	5.245	(*)	5.180	5.325
24.....	4.990	4.920	(*)	4.923	5.176	(*)
25.....	5.025	(*)	(*)	4.896	5.155	(*)
26.....	4.972	(*)	(*)	4.956	5.245	5.325
27.....	4.975	4.949	5.375	4.990	(*)	5.315
28.....	(*)	4.968	5.345	4.985	(*)	5.359
29.....	(*)	.....	5.325	(*)	(*)	5.335
30.....	4.955	.....	5.327	(*)	5.395	5.265
31.....	4.941	.....	5.410	.....	5.408	.....
Monthly average.....	4.93395	4.93563	5.27286	5.11840	5.12068	5.31586

*Daily spot silver quotations per troy ounce for commercial bars 999/1000 fine
in New York in 1978—Continued*

Day	July	August	September	October	November	December
1.....	(*)	\$5.589	\$5.520	(*)	\$5.940	\$5.960
2.....	(*)	5.570	(*)	\$5.660	5.880	(*)
3.....	\$5.259	5.510	(*)	5.780	5.835	(*)
4.....	(*)	5.485	(*)	5.805	(*)	5.955
5.....	5.247	(*)	5.521	5.805	(*)	5.880
6.....	5.192	(*)	5.548	5.795	5.820	5.835
7.....	5.215	5.530	5.497	(*)	5.858	5.844
8.....	(*)	5.515	5.428	(*)	5.875	5.885
9.....	(*)	5.505	(*)	(*)	5.695	(*)
10.....	5.287	5.488	(*)	5.950	5.671	(*)
11.....	5.252	5.589	5.470	5.957	(*)	5.880
12.....	5.276	(*)	5.485	5.900	(*)	5.854
13.....	5.281	(*)	5.535	5.900	5.704	5.900
14.....	5.247	5.678	5.548	(*)	5.808	5.849
15.....	(*)	5.615	5.605	(*)	5.730	5.880
16.....	(*)	5.619	(*)	5.860	5.759	(*)
17.....	5.155	5.430	(*)	5.940	5.829	(*)
18.....	5.220	5.419	5.562	5.935	(*)	5.960
19.....	5.226	(*)	5.607	5.880	(*)	5.945
20.....	5.300	(*)	5.620	5.878	5.956	5.975
21.....	5.377	5.377	5.660	(*)	6.009	5.955
22.....	(*)	5.365	5.625	(*)	6.045	5.915
23.....	(*)	5.347	(*)	5.830	(*)	(*)
24.....	5.450	5.412	(*)	5.815	(*)	(*)
25.....	5.525	5.409	5.700	5.920	(*)	(*)
26.....	5.472	(*)	5.655	6.125	(*)	5.945
27.....	5.445	(*)	5.615	6.075	6.050	6.035
28.....	5.610	5.459	5.650	(*)	5.990	6.044
29.....	(*)	5.468	5.645	(*)	5.960	6.074
30.....	(*)	5.499	(*)	6.296	5.915	(*)
31.....	5.577	5.506	.....	6.170	.....	(*)
Monthly average.....	5.33065	5.49496	5.57480	5.91790	5.86645	5.92850

* Market closed.

SOURCE.—Handy & Harman, New York, N.Y.

*Daily spot silver quotations per troy ounce for commercial bars 999/1000 fine
in New York in 1979*

[See table, page 93, for annual high, low, and average prices]

Day	January	February	March	April	May	June
1.....	(*)	\$6.660	\$7.760	(*)	\$7.991	\$8.570
2.....	\$5.966	6.710	7.715	\$7.535	7.950	(*)
3.....	5.985	(*)	(*)	7.460	7.998	(*)
4.....	6.020	(*)	(*)	7.309	8.180	8.450
5.....	6.015	7.140	7.400	7.434	(*)	8.611
6.....	(*)	7.139	7.396	7.505	(*)	8.580
7.....	(*)	7.390	7.250	(*)	8.364	8.370
8.....	6.038	7.430	7.250	(*)	8.195	8.460
9.....	6.015	7.185	7.280	7.615	8.164	(*)
10.....	6.015	(*)	(*)	7.570	8.469	(*)
11.....	5.961	(*)	(*)	7.460	8.339	8.595
12.....	5.964	7.355	7.115	7.460	(*)	8.436
13.....	(*)	7.215	7.189	(*)	(*)	8.300
14.....	(*)	7.185	7.217	(*)	8.324	8.405
15.....	5.968	7.479	7.184	(*)	8.490	8.468
16.....	6.180	7.569	7.419	7.305	8.287	(*)
17.....	6.260	(*)	(*)	7.275	8.290	(*)
18.....	6.290	(*)	(*)	7.530	8.295	8.385
19.....	6.290	(*)	7.380	7.480	(*)	8.541
20.....	(*)	7.825	7.410	7.371	(*)	8.695
21.....	(*)	7.834	7.464	(*)	8.405	8.745
22.....	6.393	7.925	7.640	(*)	8.584	8.760
23.....	6.302	7.855	7.705	7.440	8.589	(*)
24.....	6.555	(*)	(*)	7.480	8.635	(*)
25.....	6.660	(*)	(*)	7.490	8.768	8.702
26.....	6.618	7.630	7.740	7.595	(*)	8.630
27.....	(*)	7.620	7.625	7.726	(*)	8.572
28.....	(*)	7.780	7.655	(*)	(*)	8.450
29.....	6.742	.....	7.570	(*)	8.720	8.580
30.....	6.610	.....	7.430	7.850	8.575	(*)
31.....	6.753	.....	(*)	.....	8.604	.....
Monthly average.....	6.25455	7.41716	7.44518	7.49250	8.37345	8.53833

Day	July	August	September	October	November	December
1.....	(*)	\$8.975	(*)	\$18.000	\$16.320	(*)
2.....	\$8.546	8.970	(*)	17.070	16.060	(*)
3.....	8.594	8.965	(*)	15.950	(*)	\$19.840
4.....	(*)	(*)	\$10.912	15.450	(*)	19.440
5.....	8.880	(*)	11.399	15.800	16.300	19.550
6.....	8.960	8.735	11.850	(*)	16.420	19.600
7.....	(*)	8.742	11.815	(*)	16.790	18.750
8.....	(*)	8.856	(*)	(*)	16.225	(*)
9.....	8.770	9.006	(*)	16.850	16.300	(*)
10.....	9.118	9.112	12.079	17.100	(*)	18.900
11.....	9.075	(*)	12.539	16.870	(*)	19.880
12.....	9.160	(*)	12.660	17.360	16.380	19.860
13.....	8.940	8.941	12.240	(*)	16.168	20.800
14.....	(*)	8.946	13.150	(*)	16.030	20.850
15.....	(*)	9.164	(*)	17.571	15.870	(*)
16.....	9.109	9.091	(*)	17.200	16.160	(*)
17.....	9.378	9.195	13.900	16.520	(*)	21.800
18.....	9.310	(*)	15.780	16.500	(*)	23.000
19.....	9.251	(*)	15.120	17.195	16.210	23.550
20.....	9.305	9.141	16.850	(*)	16.100	22.800
21.....	(*)	9.284	14.800	(*)	16.300	23.650
22.....	(*)	9.455	(*)	17.150	(*)	(*)
23.....	9.560	9.535	(*)	17.050	(*)	(*)
24.....	9.450	9.789	15.700	17.250	(*)	(*)
25.....	9.364	(*)	15.700	17.070	(*)	(*)
26.....	9.470	(*)	15.550	16.500	16.320	25.200
27.....	9.473	9.889	16.680	(*)	16.860	26.800
28.....	(*)	9.904	16.500	(*)	18.150	28.000
29.....	(*)	10.120	(*)	16.000	18.320	(*)
30.....	9.140	10.400	(*)	16.320	18.770	(*)
31.....	9.055	10.479	.....	16.400	.....	(*)
Monthly average.....	9.13505	9.33387	13.95916	16.78073	16.60265	21.79278

* Market closed.

SOURCE.—Handy & Harman, New York, N.Y.

Price of silver per troy ounce in New York, 1874-1979¹

Calendar year	High	Low	Average	Calendar year	High	Low	Average
1874.....	\$1.29375	\$1.25500	\$1.27195	1927.....	\$0.60312	\$0.54187	\$0.56680
1875.....	1.26125	1.21000	1.23883	1928.....	.63937	.56812	.58488
1876.....	1.26000	1.03500	1.14950	1929.....	.57812	.46812	.53306
1877.....	1.26000	1.16000	1.19408	1930.....	.46875	.30750	.38154
1878.....	1.20750	1.08500	1.15429	1931.....	.37520	.25750	.28701
1879.....	1.16750	1.06500	1.12088	1932.....	.31000	.24250	.27892
1880.....	1.15000	1.11250	1.13931	1933.....	.45000	.24500	.34727
1881.....	1.14500	1.11000	1.12823	1934.....	.55750	.41750	.47973
1882.....	1.15000	1.09000	1.13855	1935.....	.81000	.49750	.64273
1883.....	1.11750	1.09500	1.10874	1936.....	.49750	.44750	.45087
1884.....	1.13250	1.08000	1.11161	1937.....	.46750	.44750	.44883
1885.....	1.09500	1.02750	1.06428	1938.....	.44750	.42750	.43225
1886.....	1.03500	.92500	.99880	1939.....	.42750	.34750	.39082
1887.....	1.03500	.95000	.97899	1940.....	.35625	.34750	.34773
1888.....	.97750	.92000	.94300	1941.....	.35125	.34750	.34783
1889.....	.97250	.92500	.93634	1942.....	.44750	.35125	.38333
1890.....	1.20500	.95750	1.05329	1943.....	.44750	.44750	.44750
1891.....	1.07500	.94750	.99033	1944.....	.44750	.44750	.44750
1892.....	.95250	.83000	.87552	1945.....	.70750	.44750	.51928
1893.....	.85000	.65000	.78219	1946.....	.90125	.70750	.80151
1894.....	.70000	.59500	.64043	1947.....	.86250	.59750	.71820
1895.....	.69000	.60000	.66268	1948.....	.77500	.70000	.74361
1896.....	.70250	.65625	.68195	1949.....	.73250	.70000	.71930
1897.....	.66125	.52750	.60774	1950.....	.80000	.71750	.74169
1898.....	.62250	.55125	.59064	1951.....	.90160	.80000	.89368
1899.....	.64750	.58625	.60507	1952.....	.88000	.82750	.84941
1900.....	.65750	.59750	.62065	1953.....	.85250	.83250	.85188
1901.....	.64500	.54750	.59703	1954.....	.85250	.85250	.85250
1902.....	.56875	.47375	.52815	1955.....	.92000	.82500	.89099
1903.....	.62375	.47500	.54208	1956.....	.91625	.90000	.90826
1904.....	.62500	.53375	.57843	1957.....	.91375	.89625	.90820
1905.....	.66500	.55625	.61008	1958.....	.90375	.88625	.89044
1906.....	.72375	.63125	.67379	1959.....	.91625	.89875	.91202
1907.....	.71000	.52750	.65978	1960.....	.91375	.91375	.91375
1908.....	.58875	.48250	.53496	1961.....	1.04750	.91375	.92449
1909.....	.54500	.50750	.52163	1962.....	1.22000	1.01250	1.08521
1910.....	.57625	.50750	.54245	1963 ²	1.29300	1.21000	1.27912
1911.....	.57500	.52125	.54002	1964 ²	1.29300	1.29300	1.29300
1912.....	.65625	.55250	.62006	1965 ²	1.29300	1.29300	1.29300
1913.....	.65125	.58000	.61241	1966 ²	1.29300	1.29300	1.29300
1914.....	.60875	.49000	.56331	1967 ²	2.17000	1.29300	1.54967
1915.....	.58000	.47750	.51062	1968.....	2.56500	1.81000	2.14460
1916.....	.79125	.57250	.67151	1969.....	2.02500	1.54000	1.79067
1917.....	1.16500	.73125	.84000	1970.....	1.93000	1.57200	1.77082
1918.....	1.01937	.88937	.98445	1971.....	1.75200	1.28800	1.54564
1919.....	1.38250	1.01375	1.12087	1972.....	2.04800	1.38700	1.68455
1920.....	1.37875	.60375	1.01940	1973.....	3.28000	1.96200	2.55756
1921.....	.73813	.53188	.63096	1974.....	6.70000	3.27000	4.70798
1922.....	.74188	.62875	.67934	1975.....	5.22500	3.91000	4.41852
1923.....	.69000	.62875	.65239	1976.....	5.10000	3.81500	4.35346
1924.....	.72375	.63000	.67111	1977.....	4.96000	4.30000	4.62302
1925.....	.73187	.66812	.69406	1978.....	6.29600	4.82900	5.40089
1926.....	.68937	.51812	.62428	1979.....	28.00000	5.96100	11.09378

¹ Prices are as follows:

1874-1917: Asked price per fine ounce (unrefined).

1918-29: Mean of bid and asked prices per fine ounce (unrefined).

1930-61: Official quotations per ounce 999/1000 fine (unrefined).

1962-66: Official quotations per ounce 999/1000 fine (refined). Quotations for refined silver are one-fourth cent above prices for unrefined silver.

1968-79: Handy & Harman, New York, N.Y.

² The price of \$1.293 per ounce was effective continuously from Sept. 9, 1963 through May 18, 1967.

HISTORICAL NOTE.—There was no open-market price of silver as such in the United States under the bimetallic monetary standard which existed from Apr. 2, 1792, until Feb. 12, 1873. The ratios of the silver dollar to the gold dollar in this period were:

<i>Act of</i>	<i>Ratio of silver to gold</i>
Apr. 2, 1792.....	15 to 1
June 28, 1834.....	16.002 to 1
Jan. 18, 1837.....	15.988 + to 1

Coinage metals

During 1979 three metals were used in the manufacture of coins of the United States. Zinc was obtained from the U.S. Government's stockpile of metals. Nickel was obtained from the Government stockpile and a purchase on the open market. Copper was purchased on the open market.

The market quotations for these three base metals for a significant period of years in specified categories applicable to the Mint's operations are contained in the accompanying tables.

Daily copper quotations, electrolytic "cathode, full plate" 1974-79

[Domestic producers. Delivered U.S. destinations. In U.S. cents per avoirdupois pound]

1974

Jan. 2 (Wed.) through Apr. 30 (Tues.).....	68.00
May 1 (Wed.) through May 31 (Fri.)	80.00
June 3 (Mon.) through June 4 (Tues.).....	80.00-85.00
June 5 (Wed.) through Sept. 13 (Fri.).....	85.00
Sept. 16 (Mon.) through Sept. 17 (Tues.).....	79.00-85.00
Sept. 18 (Wed.) through Oct. 15 (Tues.).....	79.00
Oct. 16 (Wed.) through Nov. 22 (Fri.).....	75.00
Nov. 25 (Mon.).....	72.00-75.00
Nov. 26 (Tues.) through Dec. 27 (Fri.)	72.00
Dec. 30 (Mon.) through Dec. 31 (Tues.).....	68.00-72.00

1975

Jan. 2 (Thurs.).....	68.00-72.00
Jan. 3 (Fri.) through Jan. 28 (Tues.).....	68.00
Jan. 29 (Wed.) through Jan. 31 (Fri.)	63.00-68.00
Feb. 3 (Mon.) through June 17 (Tues.)	63.00
June 18 (Wed.).....	60.00-63.00
June 19 (Thurs.).....	60.00
June 20 (Fri.) through July 28 (Mon.)	60.00-63.00
July 29 (Tues.) through Dec. 31 (Wed.).....	63.00

Daily copper quotations, electrolytic "cathode, full plate" 1974-79—Con.

[Domestic producers. Delivered U.S. destinations. In U.S. cents per avoirdupois pound]

1976

Jan. 2 (Fri.) through Mar. 18 (Thurs.)	63.00
Mar. 19 (Fri.)	63.00-66.00
Mar. 22 (Mon.) through Apr. 9 (Fri.)	66.00
Apr. 12 (Mon.)	66.00-70.00
Apr. 13 (Tues.) through June 30 (Wed.)	70.00
July 1 (Thurs.) through Oct. 7 (Thurs.)	74.00
Oct. 8 (Fri.) through Oct. 19 (Tues.)	70.00-74.00
Oct. 20 (Wed.) through Dec. 1 (Wed.)	70.00
Dec. 2 (Thurs.) through Dec. 3 (Fri.)	65.00-70.00
Dec. 6 (Mon.) through Dec. 31 (Fri.)	65.00

1977

Jan. 3 (Mon.) through Jan. 19 (Wed.)	65.00
Jan. 20 (Thurs.) through Jan. 24 (Mon.)	65.00-67.00
Jan. 25 (Tues.) through Jan. 31 (Mon.)	65.00-68.00
Feb. 1 (Tues.) through Mar. 1 (Tues.)	68.00
Mar. 2 (Wed.) through Mar. 3 (Thurs.)	68.00-71.00
Mar. 4 (Fri.) through Mar. 17 (Thurs.)	71.00
Mar. 18 (Fri.) through Mar. 21 (Mon.)	71.00-74.00
Mar. 22 (Tues.) through Apr. 26 (Tues.)	74.00
Apr. 27 (Wed.) through May 23 (Mon.)	71.00-74.00
May 24 (Tues.) through May 31 (Tues.)	71.00
June 1 (Wed.) through July 8 (Fri.)	68.00-71.00
July 11 (Mon.) through July 20 (Wed.)	68.00
July 21 (Thurs.) through July 22 (Fri.)	65.00-68.00
July 25 (Mon.) through Aug. 17 (Wed.)	65.00
Aug. 18 (Thurs.) through Aug. 29 (Mon.)	60.00-65.00
Aug. 30 (Tues.) through Dec. 9 (Fri.)	60.00
Dec. 12 (Mon.) through Dec. 16 (Fri.)	60.00-62.50
Dec. 19 (Mon.)	60.00-63.00
Dec. 20 (Tues.) through Dec. 30 (Fri.)	63.00

Daily copper quotations, electrolytic "cathode, full plate" 1974-79—Con.

[Domestic producers. Delivered U.S. destinations. In U.S. cents per avoirdupois pound]

1978

Jan. 3 (Tues.) through Jan. 23 (Mon.).....	63.00
Jan. 24 (Tues.) through Feb. 28 (Tues.).....	61.50-63.00
Mar. 1 (Wed.).....	60.00-63.00
Mar. 2 (Thurs.) through Mar. 8 (Wed.).....	60.00-61.50
Mar. 9 (Thurs.) through Mar. 27 (Mon.).....	61.50
Mar. 28 (Tues.) through Mar. 30 (Thurs.).....	61.50-65.00
Mar. 31 (Fri.) through May 25 (Thurs.).....	64.00
May 26 (Fri.) through May 31 (Wed.).....	64.00-68.00
June 1 (Thurs.) through June 2 (Fri.).....	67.00-68.00
June 5 (Mon.).....	66.40-68.00
June 6 (Tues.).....	65.60-68.00
June 7 (Wed.).....	66.80-68.00
June 8 (Thurs.).....	65.50-68.00
June 9 (Fri.).....	65.90-68.00
June 12 (Mon.).....	65.50-68.00
June 13 (Tues.).....	64.20-68.00
June 14 (Wed.).....	63.90
June 15 (Thurs.).....	61.70-67.00
June 16 (Fri.).....	65.00-67.00
June 19 (Mon.) through June 30 (Fri.).....	65.00
July 3 (Mon.) through July 13 (Thurs.).....	62.50-63.00
July 14 (Fri.).....	62.50-64.00
July 17 (Mon.) through July 25 (Tues.).....	63.00-64.00
July 26 (Wed.) through July 31 (Mon.).....	63.00-65.00
Aug. 1 (Tues.) through Aug. 2 (Wed.).....	65.00-65.50
Aug. 3 (Thurs.) through Aug. 10 (Thurs.).....	65.00-66.00
Aug. 11 (Fri.).....	66.00-67.00
Aug. 14 (Mon.) through Aug. 17 (Thurs.).....	66.00-68.00
Aug. 18 (Fri.) through Aug. 31 (Thurs.).....	67.00-68.00
Sept. 1 (Fri.) through Sept. 20 (Wed.).....	66.00-67.00
Sept. 21 (Thurs.).....	67.00
Sept. 22 (Fri.) through Sept. 26 (Tues.).....	67.00-67.50
Sept. 27 (Wed.).....	67.00-68.00
Sept. 28 (Thurs.) through Oct. 2 (Tues.).....	67.00-68.25
Oct. 3 (Wed.) through Oct. 4 (Thurs.).....	67.00-69.00
Oct. 5 (Fri.) through Oct. 9 (Mon.).....	67.00-70.00
Oct. 10 (Tues.) through Oct. 11 (Wed.).....	68.00-71.00
Oct. 12 (Thurs.) through Oct. 23 (Mon.).....	69.00-71.00
Oct. 24 (Tues.) through Oct. 25 (Wed.).....	70.00-71.00
Oct. 26 (Thurs.) through Oct. 27 (Fri.).....	70.00-72.00
Oct. 30 (Mon.) through Oct. 31 (Tues.).....	71.00-72.00
Nov. 1 (Wed.) through Nov. 9 (Thurs.).....	72.00-73.00
Nov. 10 (Fri.) through Nov. 15 (Wed.).....	72.00
Nov. 16 (Thurs.) through Nov. 29 (Wed.).....	69.00
Nov. 30 (Thurs.) through Dec. 1 (Fri.).....	69.00-70.00
Dec. 4 (Mon.) through Dec. 11 (Mon.).....	70.00
Dec. 12 (Tues.) through Dec. 18 (Mon.).....	70.00-71.00
Dec. 19 (Tues.).....	71.00
Dec. 20 (Wed.) through Dec. 27 (Wed.).....	71.00-73.00
Dec. 28 (Thurs.) through Dec. 29 (Fri.).....	71.00-73.50

Daily copper quotations, electrolytic "cathode, full plate" 1974-79—Con.

[Domestic producers. Delivered U.S. destinations. In U.S. cents per avoirdupois pound]

1979

Jan. 2 (Tues.) through Jan. 8 (Mon.)	73.00-73.50
Jan. 9 (Tues.)	73.50-74.00
Jan. 10 (Wed.)	73.00-75.00
Jan. 11 (Thurs.)	74.00-75.00
Jan. 12 (Fri.)	75.00
Jan. 15 (Mon.)	75.00-75.50
Jan. 16 (Tues.) through Jan. 19 (Fri.)	75.00-76.00
Jan. 22 (Mon.) through Jan. 29 (Mon.)	76.00-77.00
Jan. 30 (Tues.)	76.00-80.00
Jan. 31 (Wed.)	80.00-82.00
Feb. 1 (Thurs.)	80.00-83.00
Feb. 2 (Fri.)	80.00-84.50
Feb. 5 (Mon.)	80.00-85.00
Feb. 6 (Tues.)	82.00-87.00
Feb. 7 (Wed.) through Feb. 9 (Fri.)	85.00-90.00
Feb. 12 (Mon.)	85.00-89.00
Feb. 13 (Tues.)	85.00-88.00
Feb. 14 (Wed.)	85.00-87.00
Feb. 15 (Thurs.)	85.00-89.00
Feb. 16 (Fri.)	85.00-91.00
Feb. 20 (Tues.)	87.00-92.00
Feb. 21 (Wed.) through Feb. 22 (Thurs.)	87.00-95.00
Feb. 23 (Fri.) through Feb. 28 (Wed.)	90.00-95.00
Mar. 1 (Thurs.) through Mar. 2 (Fri.)	93.00-100.00
Mar. 5 (Mon.)	93.00-98.00
Mar. 6 (Tues.) through Mar. 9 (Fri.)	93.00-95.00
Mar. 12 (Mon.) through Mar. 15 (Thurs.)	90.00-93.00
Mar. 16 (Fri.)	90.00-95.00
Mar. 19 (Mon.)	90.00-96.00
Mar. 20 (Tues.)	93.00-97.00
Mar. 21 (Wed.)	94.00-97.00
Mar. 22 (Thurs.) through Mar. 23 (Fri.)	94.00-102.00
Mar. 26 (Mon.) through Mar. 29 (Thurs.)	98.00-102.00
Mar. 30 (Fri.) through Apr. 2 (Mon.)	98.00-101.00
Apr. 3 (Tues.)	97.00-100.00
Apr. 4 (Wed.) through Apr. 5 (Thurs.)	95.00-98.00
Apr. 6 (Fri.) through Apr. 9 (Mon.)	97.00-100.00
Apr. 10 (Tues.) through Apr. 11 (Wed.)	98.00-103.00
Apr. 12 (Thurs.) through Apr. 17 (Tues.)	98.00-101.00
Apr. 18 (Wed.)	98.00
Apr. 19 (Thurs.)	94.00-98.00
Apr. 20 (Fri.) through Apr. 30 (Mon.)	94.00-95.00
May 1 (Tues.) through May 2 (Wed.)	95.00-96.00
May 3 (Thurs.) through May 4 (Fri.)	95.00
May 7 (Mon.)	92.00-95.00
May 8 (Tues.) through May 10 (Thurs.)	92.00
May 11 (Fri.)	88.00-92.00
May 14 (Mon.) through May 17 (Thurs.)	88.00-90.00
May 18 (Fri.)	87.00-90.00
May 21 (Mon.) through May 25 (Fri.)	88.00-90.00
May 29 (Tues.)	87.00-90.00
May 30 (Wed.) through June 7 (Thurs.)	85.00-86.00
June 8 (Fri.) through June 13 (Wed.)	86.00
June 14 (Thurs.) through June 19 (Tues.)	86.00-88.00
June 20 (Wed.)	86.00-90.00
June 21 (Thurs.) through June 28 (Thurs.)	89.00-90.00
June 29 (Fri.)	86.00-90.00

Daily copper quotations, electrolytic "cathode, full plate" 1974-79—Con.

[Domestic producers. Delivered U.S. destinations. In U.S. cents per avoirdupois pound]

1979—Con.

July 2 (Mon.) through July 3 (Tues.)	84.00-86.00
July 5 (Thurs.) through July 23 (Mon.)	85.00-86.00
July 24 (Tues.) through July 25 (Wed.)	86.00
July 26 (Thurs.) through July 27 (Fri.)	86.00-88.00
July 30 (Mon.) through Aug. 2 (Thurs.)	86.00
Aug. 3 (Fri.) through Aug. 7 (Tues.)	86.00-88.00
Aug. 8 (Wed.) through Aug. 14 (Tues.)	88.00-90.00
Aug. 15 (Wed.) through Aug. 20 (Mon.)	92.00-93.00
Aug. 21 (Tues.)	90.00-92.00
Aug. 22 (Wed.) through Aug. 29 (Wed.)	92.00
Aug. 30 (Thurs.)	92.00-94.00
Aug. 31 (Fri.)	94.00
Sept. 4 (Tues.) through Sept. 6 (Thurs.)	94.00-96.00
Sept. 7 (Fri.)	94.00
Sept. 10 (Mon.) through Sept. 12 (Wed.)	92.00-94.00
Sept. 13 (Thurs.) through Sept. 18 (Tues.)	92.00
Sept. 19 (Wed.)	89.00-92.00
Sept. 20 (Thurs.)	89.00-91.00
Sept. 21 (Fri.)	89.00-92.00
Sept. 24 (Mon.)	89.00-94.00
Sept. 25 (Tues.)	93.00-96.00
Sept. 26 (Wed.)	93.00-99.00
Sept. 27 (Thurs.)	100.625-107.30
Sept. 28 (Fri.)	100.00-112.00
Oct. 1 (Mon.) through Oct. 3 (Wed.)	105.00-112.00
Oct. 4 (Thurs.)	102.00-105.00
Oct. 5 (Fri.) through Oct. 8 (Mon.)	105.00
Oct. 9 (Tues.)	103.00-105.00
Oct. 10 (Wed.)	95.00-105.00
Oct. 11 (Thurs.) through Oct. 16 (Tues.)	95.00-100.00
Oct. 17 (Wed.) through Oct. 22 (Mon.)	95.00
Oct. 23 (Tues.) through Oct. 24 (Wed.)	92.00-95.00
Oct. 26 (Fri.)	92.00
Oct. 29 (Mon.) through Nov. 1 (Thurs.)	92.00-94.00
Nov. 2 (Fri.)	92.00-96.00
Nov. 5 (Mon.) through Nov. 6 (Tues.)	95.00-96.00
Nov. 7 (Wed.) through Nov. 9 (Fri.)	95.00-97.00
Nov. 12 (Mon.)	95.00-100.00
Nov. 13 (Tues.) through Nov. 15 (Thurs.)	100.00
Nov. 16 (Fri.) through Nov. 26 (Mon.)	100.00-102.50
Nov. 27 (Tues.) through Nov. 30 (Fri.)	100.00
Dec. 3 (Mon.)	107.00-112.50
Dec. 4 (Tues.)	107.00-110.00
Dec. 5 (Wed.) through Dec. 6 (Thurs.)	107.00-108.00
Dec. 7 (Fri.)	105.00-107.00
Dec. 10 (Mon.) through Dec. 11 (Tues.)	103.00-105.00
Dec. 12 (Wed.)	103.00-106.00
Dec. 13 (Thurs.) through Dec. 26 (Wed.)	103.00-105.00
Dec. 27 (Thurs.) through Dec. 28 (Fri.)	105.00-106.00

SOURCE.—American Metal Market

Nickel electrolytic cathode prices in the United States, 1970-79¹

[In U.S. cents per avoirdupois pound]

1970

Jan. 2 (Fri) through Oct. 14 (Wed.).....	128.00
Oct. 15 (Thurs.) through Dec. 31 (Thurs.)	133.00

1971

Jan. 4 (Mon.) through Dec. 31 (Fri.).....	133.00
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1972

Jan. 3 (Mon.) through Sept. 1 (Fri.).....	133.00
Sept. 5 (Tues.) through Dec. 29 (Fri.)	153.00

1973

Jan. 2 (Tues.) through Dec. 31 (Mon.).....	153.00
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1974

Jan. 2 (Wed.) through Jan. 3 (Thurs.).....	153.00
Jan. 4 (Fri.) through May 15 (Wed.).....	162.00
May 16 (Thurs.) through May 22 (Wed.).....	162.00-185.00
May 23 (Thurs.) through June 27 (Thurs.)	162.00
June 28 (Fri.) through Dec. 20 (Fri.).....	185.00
Dec. 23 (Mon.) through Dec. 31 (Tues.).....	201.00

1975

Jan. 2 (Thurs.) through Aug. 29 (Fri.).....	201.00
Sept. 2 (Tues.) through Dec. 31 (Wed.).....	220.00

1976

Jan. 2 (Fri.) through Sept. 30 (Thurs.).....	220.00
Oct. 1 (Fri.) through Dec. 31 (Fri.).....	241.00

1977

Jan. 3 (Mon.) through Apr. 6 (Wed.)	241.00
Apr. 7 (Thurs.) through Apr. 28 (Thurs.).....	235.00-241.00
Apr. 29 (Fri.) through July 25 (Mon.)	241.00
July 26 (Tues.) through Dec. 30 (Fri.).....	(²)

1978³

Jan. 3 (Tues.) through Mar. 31 (Fri.).....	206.00-208.00
Apr. 3 (Mon.) through May 30 (Tues.)	210.00
May 31 (Wed.) through July 5 (Wed.).....	208.00-210.00
July 6 (Thurs.) through Aug. 31 (Thurs.).....	208.00
Sept. 1 (Fri.) through Sept. 15 (Fri.).....	200.00-208.00
Sept. 18 (Mon.) through Nov. 16 (Thurs.).....	200.00-205.00
Nov. 17 (Fri.)	193.00
Nov. 20 (Mon.) through Nov. 29 (Wed.).....	193.00-205.00
Nov. 30 (Thurs.) through Dec. 29 (Fri.).....	193.00-200.00

Footnotes at end of table.

Nickel electrolytic cathode prices in the United States, 1970-79¹—Con.

[In U.S. cents per avoirdupois pound]

1979—Con.

Jan. 2 (Tues.) through Feb. 2 (Fri.) ⁴	193.00-200.00
Feb. 5 (Mon.) through Mar. 13 (Tues.)	200.00-210.00
Mar. 14 (Wed.) through Apr. 5 (Thurs.)	230.00
Apr. 6 (Fri.) through Apr. 13 (Fri.)	230.00-255.00
Apr. 16 (Mon.) through Apr. 20 (Fri.)	250.00
Apr. 23 (Mon.) through May 3 (Thurs.)	255.00
May 4 (Fri.) through May 17 (Thurs.)	255.00-290.00
May 18 (Fri.) through June 4 (Mon.)	285.00-290.00
June 5 (Tues.) through June 12 (Tues.)	285.00-325.00
June 13 (Wed.) through July 3 (Tues.)	300.00-325.00
July 5 (Thurs.) through Dec. 4 (Tues.)	300.00-305.00
Dec. 5 (Wed.) through Dec. 27 (Thurs.)	305.00-325.00
Dec. 28 (Fri.)	325.00

¹ Basic spot price for electrolytic nickel cathodes in the United States.² INCO announced on July 25, 1977, that it had rescinded its price increase of Oct. 1, 1976, and henceforth "the prices INCO charges its customers will be considered as confidential business information." Quotations for the remainder of the year were:

July 26 through Oct. 19	211.00-220.00
Oct. 20 through Dec. 1	207.00-213.00
Dec. 2 through Dec. 30	206.00-208.00

³ Estimated weekly market prices through Aug. 8, 1978. Thereafter, until Feb. 2, 1979, consumer buying quotation, reflecting actual price in the market.⁴ INCO announced on Feb. 2, 1979, that it would revert to its published nonnegotiable list prices, which had been suspended in July 1977.

SOURCE.—American Metal Market.

Daily zinc quotations, 1973-79—"Domestic special high grade delivered"

[In U.S. cents per avoirdupois pound]

1973

Jan. 2 (Tues.) through Jan. 17 (Wed.).....	19.00-19.55
Jan. 18 (Thurs.) through Jan. 19 (Fri.).....	19.00-20.00
Jan. 22 (Mon.) through Jan. 24 (Wed.).....	19.50-20.50
Jan. 25 (Thurs.) through Jan. 29 (Mon.).....	20.20-20.50
Jan. 30 (Tues.) through Feb. 1 (Thurs.).....	20.00-20.50
Feb. 2 (Fri.) through Mar. 8 (Thurs.).....	20.20-20.50
Mar. 9 (Fri.) through Mar. 20 (Tues.).....	20.20-21.50
Mar. 21 (Wed.) through Mar. 22 (Thurs.).....	20.25-21.50
Mar. 23 (Fri.) through Mar. 27 (Tues.).....	20.50-21.50
Mar. 28 (Wed.) through Dec. 7 (Fri.).....	21.25-21.50
Dec. 10 (Mon.) through Dec. 11 (Tues.).....	21.25-33.00
Dec. 12 (Wed.) through Dec. 31 (Mon.).....	28.50-33.50

1974

Jan. 2 (Wed.) through Jan. 14 (Mon.).....	28.50-33.50
Jan. 15 (Tues.) through Jan. 31 (Thurs.).....	32.50-33.50
Feb. 1 (Fri.) through Feb. 7 (Thurs.).....	33.00-33.50
Feb. 8 (Fri.) through Mar. 14 (Thurs.).....	33.50
Mar. 15 (Fri.) through Mar. 21 (Thurs.).....	33.50-36.50
Mar. 22 (Fri.) through Mar. 27 (Wed.).....	32.80-42.00
Mar. 28 (Thurs.).....	33.50-36.50
Mar. 29 (Fri.) through July 9 (Tues.).....	36.50
July 10 (Wed.) through July 23 (Tues.).....	36.50-41.50
July 24 (Wed.) through Dec. 31 (Tues.).....	39.00-41.50

1975

Jan. 2 (Thurs.) through Feb. 20 (Thurs.).....	39.00-41.50
Feb. 21 (Fri.) through Feb. 24 (Mon.).....	39.00-39.50
Feb. 25 (Tues.) through Oct. 9 (Thurs.).....	39.50
Oct. 10 (Fri.) through Oct. 29 (Wed.).....	39.50-41.50
Oct. 30 (Thurs.) through Dec. 31 (Wed.).....	39.50

1976

Jan. 2 (Fri.) through Jan. 5 (Mon.).....	39.50
Jan. 6 (Tues.) through Jan. 7 (Wed.).....	37.50-39.50
Jan. 8 (Thurs.) through Aug. 12 (Thurs.).....	37.50
Aug. 13 (Fri.) through Aug. 19 (Thurs.).....	37.50-40.50
Aug. 20 (Fri.) through Aug. 27 (Fri.).....	40.00-40.50
Aug. 30 (Mon.) through Oct. 14 (Thurs.).....	39.50-40.50
Oct. 15 (Fri.) through Dec. 31 (Fri.).....	37.50

1977

Jan. 3 (Mon.) through May 16 (Mon.).....	37.50
May 17 (Tues.).....	34.50-37.50
May 18 (Wed.) through Oct. 4 (Tues.).....	34.50
Oct. 5 (Wed.) through Nov. 7 (Mon.).....	31.00-32.50
Nov. 8 (Tues.) through Dec. 30 (Fri.).....	31.00

Daily zinc quotations, 1973-79—"Domestic special high grade delivered"—Con.

[In U.S. cents per avoirdupois pound]

1978

Jan. 3 (Tues.) through Feb. 17 (Fri.).....	31.00
Feb. 21 (Tues.) through Mar. 8 (Wed.).....	29.50-31.00
Mar. 9 (Thurs.) through June 7 (Wed.).....	29.50
June 8 (Thurs.) through June 19 (Mon.).....	31.50
June 20 (Tues.) through July 7 (Fri.).....	29.50-31.50
July 10 (Mon.) through Aug. 11 (Fri.).....	31.00-31.50
Aug. 14 (Mon.).....	31.50-33.00
Aug. 15 (Tues.) through Aug. 17 (Thurs.).....	32.50-33.00
Aug. 18 (Fri.) through Oct. 3 (Tues.).....	33.00
Oct. 4 (Wed.) through Oct. 10 (Tues.).....	33.00-35.00
Oct. 11 (Wed.) through Oct. 18 (Wed.).....	34.00-35.00
Oct. 19 (Thurs.) through Oct. 24 (Tues.).....	33.00-35.00
Oct. 25 (Wed.) through Nov. 1 (Wed.).....	34.00-35.00
Nov. 2 (Thurs.) through Dec. 29 (Fri.).....	35.00

1979

Jan. 2 (Tues.) through Jan 18 (Thurs.).....	35.00
Jan. 19 (Fri.) through Jan. 22 (Tues.).....	35.00-36.00
Jan. 24 (Wed.) through Feb. 7 (Wed.).....	35.50-36.00
Feb. 8 (Thurs.) through Feb. 9 (Fri.).....	37.00-38.00
Feb. 12 (Mon.) through Mar. 22 (Thurs.).....	37.50-38.00
Mar. 23 (Fri.) through Mar. 29 (Thurs.).....	38.00-40.00
Mar. 30 (Fri.) through June 28 (Thurs.).....	39.50-40.00
June 29 (Fri.) through July 18 (Wed.).....	39.50-42.00
July 19 (Thurs.) through July 25 (Wed.).....	37.50-40.00
July 26 (Thurs.) through July 31 (Tues.).....	39.00-40.00
Aug. 1 (Wed.) through Aug. 2 (Thurs.).....	37.50-40.00
Aug. 3 (Fri.) through Sept. 13 (Thurs.).....	37.00-37.50
Sept. 14 (Fri.) through Sept. 27 (Thurs.).....	36.00
Sept. 28 (Fri.).....	36.00-38.00
Oct. 1 (Mon.) through Nov. 2 (Fri.).....	37.50-38.00
Nov. 5 (Mon.) through Nov. 19 (Mon.).....	35.50-38.00
Nov. 20 (Tues.) through Nov. 30 (Fri.).....	37.50
Dec. 3 (Mon.) through Dec. 6 (Thurs.).....	37.50-38.00
Dec. 7 (Fri.) through Dec. 28 (Fri.).....	38.00

SOURCE.—American Metal Market.

**THE WORLD'S MONETARY STOCKS OF GOLD, SILVER,
AND COINS, CALENDAR YEAR 1978**

Acknowledgment of Source Data

The United States Mint gratefully acknowledges the generous and continuing cooperation of the many foreign governments which respond to its interrogatories. The official data contributed by these governments have been incorporated in this publication.

Particular appreciation is expressed to those governments which sent photographs of their coinage for this Report. Future editions will include illustrations of the coinage of other countries made available to the U.S. Mint with their interrogatories.

The assistance of the Department of State, Washington, D.C., and its posts overseas in receiving and transmitting the data is deeply appreciated.

Additional sources of data include the publications and releases of central banks, foreign government mints, treasuries, or other monetary agencies, and the international monetary institutions. Nongovernment sources include bullion firms, mining, and various trade organizations.

Statistics on the world production of gold and silver are provided by the U.S. Department of the Interior, Bureau of Mines.

STELLA B. HACKEL,
Director of the United States Mint.

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Government Coinage Mints of the World

Country	Name of mint	Address
United States	Office of Director of the Mint.....	Department of the Treasury, Washington, D.C. 20220.
Do	Philadelphia Mint.....	Independence Mall, Philadelphia, PA. 19106.
Do	Denver Mint.....	320 W. Colfax St., Denver, CO. 80204.
Do	San Francisco Assay Office (minting operations).	155 Hermann St., San Francisco, CA. 94102.
Do	Fort Knox Bullion Depository (gold storage, etc.).	Fort Knox, KY. 40121.
Do	New York Assay Office (electrolytic refining of gold and silver, etc.).	32 Old Slip, New York, N.Y. 10005.
Do	West Point Bullion Depository (silver storage, minting operations).	West Point, N.Y. 10996.
Afghanistan	Afghan National Mint.....	Baricote, Kabul.
Argentina.....	Sociedad del Estado Casa de Moneda	Avenida Antardida Argentina s/n°; Buenos Aires.
Australia.....	Royal Australian Mint.....	Deakin, A.C.T. 2600.
Austria	Oesterreichisches Hauptmünzamt	Am. Heumarkt I Postfach 225, A-1031 Vienna.
Belgium.....	Monnaie Royale de Belgique.....	Boulevard Pachéco 32, B-1000 Bruxelles.
Bolivia.....	Casa de la Moneda de Potosi	Potosi.
Brazil	Casa da Moeda.....	Praca da República, 173, Rio de Janeiro.
Canada	Royal Canadian Mint.....	Vanier, Ontario, KIA OG8.
Do	do	Winnipeg, Manitoba.
Chile	Casa de Moneda de Chile.....	Avda. Portales s/n. Int. Quinta Normal, Santiago.
China	Printing Bureau, People's Bank of China ..	San Li He, Fuxing Men Wai, Beijing.
Taiwan	Central Mint of China.....	Taoyuan 333, Taiwan.
Colombia.....	Casa de Moneda	Apartado Aereo 16814 Bogotá.
Czechoslovakia.....	Czechoslovak State Mint.....	Mennicy, Kremnica, CSSR.
Denmark	Den Kongelige Mont.....	Solmarksvej 5, 2600 Glostrup.
Egypt, Arab Republic of.	Mint House	Cairo.
Finland	Suomen Rahapaja	Box 114, SF-00161 Helsinki 16.
France.....	Administration des Monnaies et Médailles.	11, Quai de Conti 75270, Paris CEDEX 06.
Do	Monnaie de Paris Etablissement de Pessac.	Pessac.
Germany, Democratic Republic of.	Staatsmünzamt Deutsche Demokratischen Republik.	Berlin, DDR.
Germany, Federal Republic of.	Bayerisches Hauptmünzamt.....	Hofgraben 4, 8 München 1.
Do	Staatliche Münze (new mint).....	Taubenheimstrasse 77, 7 Stuttgart 50 (Bad Cannstatt).
Do	Staatliche Münze	Stephanienstrasse 28, 75 Karlsruhe.
Do	Hamburgische Münze	Nordestrasse 66, 2 Hamburg 1.
Greece.....	Bank of Greece, Banknote Printing Works	Holgaro, Athens.
Guatemala.....	Casa de Moneda	Avenida de Petapa No. 43-81, Zona 12, Guatemala City.
Hungary	Állami Pénzverdö.....	1450 Budapest, Üllöi Út 102 Pf. 6.
India	India Government Mint	Bombay-400 023
Do	do	Alipore, Calcutta.
Do	do	Hyderabad, Andhra Pradesh.
Indonesia	Perum Peruri.....	Jalan Palatehan No. 4, Blok K-V, Kebayoran Baru, Jakarta.
Iran	Mint of Central Bank of Iran	Avenue Saltanatabad, Tehran.
Ireland.....	Currency Centre	Sandyford Co., Dublin.
Israel	Israel Mint (new mint).....	Myriam HaHashmonait St., Jerusalem.
Italy	La Zecca.....	Via Principe Umberto, 4, Rome.

Government Coinage Mints of the World—Continued

Country	Name of mint	Address
Japan	Mint Bureau	1-79, Tenma 1-chome, Kita-ku, Osaka, 530.
Do	Tokyo Branch	3277, 1 chome, Nishisugamo, Toshima-ku, Tokyo-to, Tokyo.
Do	Hiroshima Branch	Itsukamachi, Saheki-gun, Hiroshima Prefecture.
Do	Kumamoto Sub-branch (refining, etc.)	Shinminami, Sendanbata-cho Kumamoto City, Kumamoto Prefecture.
Korea, Republic of	Kyeongsan Mint, Government Printing & Mint Agency.	Aplyang-Myeon, Kyeongsan, Kyeongsangbukdo.
Malaysia	Kilang Wang	Bank Negara, Shah Alam, Selangor.
Malta	Order of Malta Mint	Via Condotti, Rome, Italy.
Mexico	Casa de Moneda (old mint)	Calle de Apartado No. 13, Mexico 1, D.F.
Do	Casa de Moneda (new)	Calí. Legaria No. 631, Mexico 10, D.F.
Nepal	His Majesty's Mint, Dharahara	Bhimsenstambha, Kathmandu.
Netherlands	's Rijks Munt	P.O. Box 2407, 3500 GK, Utrecht.
Nigeria	Nigerian Security Printing and Minting Co., Ltd.	P.O. Box 3053, Victoria Island, Lagos.
Norway	Den Kongelige Mynt	Postboks 53, N-3601, Kongsberg.
Pakistan	Pakistan Mint	Baghban Pura, Lahore (Punjab).
Peru	Casa Nacional de Moneda	Jiron Junin 791, Lima 1.
Phillipines	Mint and Gold Refinery	Security Plant Complex, Central Bank of the Phillipines, East Ave., Quezon City.
Poland	Mennica Panstwowa	ul. Pereca 21, 00-958 Warsaw.
Portugal	Casa da Moeda	Avenida Dr. Antonio Jose de Almeida, 1000 Lisbon.
Romania	State Mint, Socialist Republic of Romania	Treasury Dept., Bucarest.
Singapore	Chartered Industries of Singapore, Ltd. ...	249 Jalan Boon Lay, Jurong, Singapore, 22.
South Africa, Republic of.	South African Mint	P.O. Box 464, Pretoria, 0001.
Spain	Fabrica Nacional de Moneda y Timbre ..	Jorge Juan 106, Madrid 9.
Sudan	Sudan Mint	P.O. Box 5043, Khartoum South.
Sweden	Myntverket	Box 401, S631 06 Eskilstuna 1.
Switzerland	Swiss Federal Mint	28, Bernastrasse, Bern 3003.
Thailand	Royal Mint	Pradiphat Road, Bangkok.
Turkey	Darphane ve Damga Matbaasi	Yildiz Besiktas, Istanbul.
United Kingdom ...	Royal Mint	Tower Hill, London, E.C. 3.
Do	Royal Mint	Llantrisant, County of Glamorgan, Wales.
U.S.S.R	Leningrad Mint	Leningrad, Russia.
Yugoslavia	National Bank of Yugoslavia	Bulevar, Rivalucije No. 15, Beograd.

Summary—Coinage of nations, calendar year 1978¹

Country	Total coins manufactured	Gross weight of coins
	<i>Pieces</i>	<i>Short tons</i>
United States of America	12,404,741,973	46,998.51
Afghanistan	17,240	.59
Argentina	422,079,367	3,250.87
Australia	330,181,078	1,935.80
Austria	144,628,500	2,659.72
Bahamas	22	(*)
Bahrain	8,554,520	38.59
Bangladesh	298,226,000	752.85
Barbados	57,300	32.31
Belgium	160,000,000	841.89
Belize	3,135,000	8.21
Bermuda	3,200,200	13.06
Bolivia	25,000,000	181.89
Botswana	50,642	(*)
Brazil	714,267,000	4,208.66
Brunei	5,085,728	21.42
Canada	1,402,306,803	5,439.56
Cape Verde	524	(*)
Caribbean Territories, Eastern Group	6,850,000	43.89
Cayman Islands	1,364,899	6.34
Chile	149,851,000	725.55
China	1,210,000,000	1,415.13
Taiwan	207,307,000	1,609.01
Colombia	181,869,264	1,182.82
Costa Rica	17,522,640	118.59
Cyprus	7,058,424	47.86
Denmark	114,441,843	409.28
Dominican Republic	20,846,000	95.47
Ecuador	69,500,000	378.09
Egypt, Arab Republic of	60,500,000	254.96
El Salvador	2,400,000	6.61
Ethiopia	172,802,380	706.36
Falkland Islands	54,500	.80
Fiji	7,550	(*)
Finland	154,690,000	266.86
France	804,197,200	4,463.66
French Polynesia	1,650,000	3.52
Gambia, The	3,823,248	14.31
Germany, Federal Republic of	1,520,330,803	5,396.54
Gibraltar	10,000	(*)
Greece	93,723,000	589.04
Guatemala	57,900,000	177.91
Guernsey	3,014,000	28.59
Guinea-Bissau	23,176,000	145.56
Guyana	16,498,924	38.34
Honduras	42,000,000	150.07
Hong Kong	358,116,600	2,620.53
Hungary	94,485,000	155.27
Iceland	23,712,000	105.02
India	641,417,100	2,229.86
Indonesia	369,241,200	1,882.96
Iraq	1,656,000	10.49
Ireland	71,224,164	461.70
Israel	204,608,663	949.55
Italy	1,284,909,000	8,528.49
Jamaica	5,120,000	6.88
Japan	3,143,000,000	11,961.84
Jordan	42,977,305	376.60
Kenya	103,904,000	859.30
Korea	177,100,000	774.21
Kuwait	2,200,000	6.17
Lebanon	23,506,800	184.11
Liberia	7,160	(*)
Libya	19,000,000	130.50

Footnotes at end of table.

Summary—Coinage of nations, calendar year 1978¹—Continued

Country	Total coins manufactured	Gross weight of coins
	<i>Pieces</i>	<i>Short tons</i>
Luxembourg.....	6,000,000	32.89
Macao.....	3,000,000	19.51
Madagascar, Republic of.....	30,559,200	566.34
Malawi.....	4,020	(*)
Malaysia.....	129,984,045	421.61
Maldives Republic.....	7,140	(*)
Malta.....	500,000	7.49
Mauritius.....	37,718,286	252.03
Mexico.....	1,309,089,000	7,496.23
Mongolia.....	1,800	(*)
Morocco.....	35,116,209	166.51
Nepal.....	38,806,850	75.82
Netherlands.....	260,000,000	706.94
Netherlands Antilles.....	8,100,000	25.06
New Caledonia.....	2,350,000	12.40
New Hebrides.....	350,000	1.10
New Zealand.....	55,884,000	263.85
Nicaragua.....	2,005,740	6.62
Norway.....	110,475,768	532.02
Oman.....	42,655	.88
Pakistan.....	194,304,008	489.41
Panama.....	10,005,000	34.51
Papau, New Guinea.....	34,650,000	129.25
Paraguay.....	40,000,300	162.91
Peru.....	93,986,000	491.53
Philippines.....	125,525,890	519.47
Portugal.....	115,464,619	626.57
Qatar.....	3,000,000	18.46
Rhodesia.....	33,000,000	139.16
San Marino.....	2,445,000	16.24
Saudi Arabia.....	110,750,000	478.11
Seychelles.....	17,960	.62
Sierra Leone.....	700,000	5.61
Singapore.....	65,971,000	297.91
Solomon Islands.....	293,000	3.65
South Africa.....	219,424,490	1,180.00
Spain.....	1,133,000,000	6,106.81
Sri Lanka.....	105,052,600	294.14
Sudan.....	21,442,476	139.82
Surinam.....	11,000,000	13.67
Sweden.....	294,671,031	686.66
Switzerland.....	105,749,500	489.50
Tanzania.....	27,552,200	149.58
Thailand.....	186,372,100	1,398.43
Tonga.....	21,500	.59
Trinidad and Tobago.....	47,544,500	110.57
Turkey.....	38,095,100	328.08
Turks and Caicos Islands.....	13,882	(*)
United Arab Emirates.....	5,700,000	55.84
United Kingdom.....	1,021,561,460	6,283.28
Uruguay.....	87,550,000	529.13
Vatican City.....	1,611,250	9.78
Venezuela.....	641,906,752	2,270.48
Western Samoa.....	1,512,500	4.27
Yemen Arab Republic.....	14,100	(*)
Yemen, People's Republic of.....	3,000,000	24.99
Zaire.....	8,004,600	18.15
Zambia.....	6,000,000	57.48
Total (123 countries).....	34,218,112,785	150,063.84

¹ For details, see tables for individual countries.

* Less than half a short ton.

Coinage of Nations and World Coins, 1978

Explanatory notes on tables

In the country tables which follow the decimal system of money prevails unless otherwise indicated. Under the decimal system, the basic monetary unit generally is divided into 100 subunits. The table "World monetary units" gives the name of the principal currency unit and subunit for each country.

Do or *do* are abbreviations for ditto, meaning that the information is the same as that appearing immediately above. Numbers in the tables are expressed in figures arranged to conform to usage in the United States, that is, in groups of three figures separated by a comma (.). For example, one thousand is written 1,000 and one million is written 1,000,000. Fractional or decimal parts of a whole number are set off by a period (.). For example, one tenth is written 0.1, one hundredth 0.01, one thousandth 0.001, and so on.

Coinage in 1978: Pieces.—The figures in this column indicate the number of pieces reported as actually manufactured by a coinage mint or mints during the calendar year. Leaders (dots ...) in this column indicate that no coins of that particular type were reported to have been manufactured in 1978, but earlier issues of the coins may remain in circulation.

Specifications of coins.—Specifications are for a single coin of the stated denomination and, in general, represent standards provided by law, decree, or regulation of the issuing government. However, details concerning tolerances of weight and fineness, and other minting controls and procedures are not published. For uniformity, different units of weight are converted to grams and different units of measure are converted to millimeters. The following conversion factors were used:

<i>Weight units</i>		<i>Measurement units</i>	
1 gram	= 15.43235639 grains.	1 inch	= 25.4 millimeters.
1 grain	= 0.0647989182 gram.	1 millimeter	= 0.03937 inch.
		(Abbreviation for millimeter: mm.)	

Gross weight.—This refers to the overall weight of one coin of the specified denomination.

Metallic composition.—The proportions of metals are expressed either in percentages (symbol %) with the proportions adding to 100 percent; or, for gold and silver coins, in thousands with the proportions of precious metal and base metal adding to 1,000 parts.

Thickness.—Thicknesses of coins are not prescribed by governmental decree or law as in the case of diameters. Thicknesses cannot be so specified since they vary according to minting practices and other factors relating to coins. Thicknesses in the tables are to be regarded as averages which may vary slightly over or under the figures shown.

Shape of coins.—Coins are round unless otherwise indicated.

UNITED STATES OF AMERICA
U.S. coins produced and in active circulation in 1978

Denomination ¹	Coinage in 1978 ²	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Dollar:					
Cupronickel:					
Regular issue	58,714,890	22.68	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	38.10	2.54
Proof coins	3,127,781	22.68	do.....	38.10	2.54
Silver clad coins: ³					
Proof	59,910	24.59	3-layer composite coin. Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approx- imately 209 parts silver and 791 parts copper.	38.10	2.54
Uncirculated	24,332	24.59	do.....	38.10	2.54
Half dollar:					
Cupronickel:					
Regular issue	28,115,799	11.34	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	30.61	2.18
Proof coins	3,127,781	11.34	do.....	30.61	2.18
Silver clad coins: ³					
Proof	59,910	11.50	3-layer composite coin. Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approx- imately 209 parts silver and 791 parts copper.	30.61	2.18
Uncirculated	24,332	11.50	do.....	30.61	2.18
Quarter dollar:					
Cupronickel:					
Regular issue	808,825,152	5.67	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	24.26	1.70
Proof coins	3,127,781	5.67	do.....	24.26	1.70
Silver clad coins: ³					
Proof	59,910	5.75	3-layer composite coin. Outer cladding 800 parts silver, 200 parts copper, bonded to a core of approx- imately 209 parts silver and 791 parts copper.	24.26	1.70
Uncirculated	24,332	5.75	do.....	24.26	1.70

Footnotes at end of table.

UNITED STATES OF AMERICA—Continued

U.S. coins produced and in active circulation in 1978—Continued

Denomination ¹	Coinage in 1978 ²	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Dime:					
Regular issue	946,827,540	2.268	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	17.91	1.35
Proof coins	3,127,781	2.268	do.....	17.91	1.35
5 cents:					
Regular issue	704,400,780	5.00	75% copper, 25% nickel	21.21	1.98
Proof coins	3,127,781	5.00	do.....	21.21	1.98
1 cent:					
Regular issue	9,838,838,400	3.11	95% copper, 5% zinc	19.05	1.57
Proof coins	3,127,781	3.11	do.....	19.05	1.57
Summary:					
Regular issue	12,385,722,561				
Numismatic coins*.....	19,019,412				
Total.....	12,404,741,973				

¹ Regular issue coins are for general circulation. Cupronickel (regular) proof coins, packaged in sets of 6 coins and dated 1978, were sold by the Mint. Silver clad coins, proof and uncirculated, bore Bicentennial designs and the dates 1776-1976. The regular proof and silver clad coins were made at the U.S. Assay Office, San Francisco. The designs on general circulation and regular proof coins were identical.

² 1978 coinage was manufactured at the Philadelphia and Denver mints and the San Francisco Assay Office.

³ Public Law 93-127, Oct. 18, 1973, authorized the Secretary of the Treasury to mint dollars, half dollars, and quarter dollars with reverse designs emblematic of the Bicentennial of the American Revolution. The same legislation authorized the Secretary of the Treasury to mint 45 million silver clad coins of the same designs for inclusion in special 3-coin proof and uncirculated sets. The manufacture of these coins was terminated in December 1976; however, the numismatic silver-clad sets continued to be packaged and sold after 1976. This table reports the Bicentennial sets sold in 1978.

* Consists of 3,127,781 regular proof sets, 59,910 Bicentennial proof, and 24,332 Bicentennial uncirculated coin sets.

* Reeded edges: \$1, 50, 25, and 10-cent coins. Smooth edges: 5 and 1-cent pieces.

Previous issues of U.S. coins outstanding in 1978

Denomination	Year of most recent coinage	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
		<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Standard silver dollar...	1935	26.73	900 silver, 100 copper.....	38.10	2.90
Half dollar	1966	12.50	do.....	30.61	2.18
Do.....	1970	11.50	3-layer composite coin. Outer cladding 800 parts silver, 200 parts copper bonded to a core of approximately 209 parts silver and 791 parts copper.	30.61	2.18
Quarter dollar.....	1966	6.25	900 silver, 100 copper.....	24.26	1.70
Dime.....	1966	2.50	do.....	17.91	1.35
5 cents.....	1945	5.00	56% copper, 35% silver, 9% manganese.	21.21	1.98
Bronze 1 cent.....	1962	3.11	95% copper with 5% zinc and tin.	19.05	1.57
Steel 1 cent.....	1943 (1 year only)	2.70	Steel covered with zinc coating not exceeding 0.001 inch.	19.05	1.57

* Reeded edges: \$1, 50, 25, and 10 cents. Smooth edges: 5 and 1 cent pieces.

NOTE.—Coins have not been demonetized, but few, if any, are in active circulation.



Coinage of the United States of America.

AFGHANISTAN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10,000 afghanis	764	33.44	900 gold, 100 silver	34.00	n.a.
500 afghanis	8,345	35.00	925 silver, 75 copper	42.00	n.a.
250 afghanis	8,131	28.28	 do.	38.61	n.a.
5 afghanis		7.00	90% steel, nickel clad	27.50	2.0
2 afghanis		5.24	 do.	25.00	1.7
1 afghani		4.09	 do.	23.00	1.5
50 pool		3.50	Steel, copper clad	21.00	1.7
25 pool		2.50	Steel, brass clad	19.00	1.2
Total	17,240				

¹ 1978 coinage, manufactured by mints in the United Kingdom, was dated 1978. 150 of the 10,000 afghanis, 4,128 of the 500, and 4,116 of the 250's were proof coins.

* Plain edges: 50, and 25 pool coins, and 2 afghani. Reeded edges: 10,000, 500, 250, 5, and 1 afghani coins.
n.a. not available.

AFRICA, EQUATORIAL STATES

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 francs		9.0	Pure nickel	28.0	1.90
100 francs		7.0	 do.	25.5	1.90
50 francs		4.7	 do.	21.5	1.80
Do		12.0	75% copper, 25% nickel	31.0	2.21
25 francs		8.0	92% copper, 6% aluminum, 2% nickel.	27.0	2.35
10 francs		4.0	 do.	23.0	1.70
5 francs		3.0	 do.	20.0	1.70
2 francs		2.2	95% aluminum, 5% magnesium	27.0	2.00
1 franc		1.3	 do.	23.0	1.70
Total					

* Reeded edges: 50 and 100 francs. Smooth edges: 1, 2, 5, 10, and 25 francs.

NOTE.—Currency area includes Cameroun, Central African Empire, Tchad, Congo (Brazzaville), and Gabon. The currency unit, the CFA Franc (Communauté Financière Africaine), is divided into 100 centimes. The Banque Centrale des Etats de l'Afrique Equatoriale et du Cameroun issues notes and coins.

AFRICA, WEST—See West African Monetary Union

AJMAN—See United Arab Emirates

ALGERIA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dinar		7.00	75% copper, 25% nickel	25.00	1.80
50 centimes		5.00	79% copper, 20% zinc, 1% nickel.	24.00	1.58
20 centimes		4.00	do.....	22.00	1.50
10 centimes		2.50	do.....	19.00	1.30
5 centimes		.80	95% aluminum, magnesium, and other metals 5%.	21.00	.99
2 centimes		.60	do.....	18.00	n.a.
1 centime		.50	do.....	16.00	1.09
Total					

* Reeded edges: 1 dinar, 50 centimes. Smooth edges: 20, 10, 5, 2, and 1 centimes.

n.a. Not available.

AMERICAN SAMOA—U.S. coins circulate in American Samoa

ANDORRA

[Spanish money principal circulating medium in Andorra. French money also circulates]

ANGOLA, PEOPLE'S REPUBLIC OF

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 escudos		10.00	720 silver, 280 copper	30.00	1.50
Do		12.00	Pure nickel	30.00	2.10
10 escudos		5.00	720 silver, 280 copper	24.00	1.20
Do		9.00	75% copper, 25% nickel	28.00	2.00
5 escudos		7.00	do.....	24.50	2.00
2½ escudos		3.50	do.....	20.00	1.30
1 escudo		8.00	95% copper, 3% zinc, 2% tin.	26.00	2.10
50 centavos		4.00	do.....	20.00	1.60
20 centavos		4.50	61% copper, 20% zinc, 19% nickel.	23.00	n.a.
Do		3.00	95% copper, 3% zinc, 2% tin.	20.50	1.10
Do		2.50	do.....	18.00	1.20
10 centavos		2.50	61% copper, 20% zinc, 19% nickel.	19.00	n.a.
Do		.50	97.5% aluminum, 2.5% magnesium.	15.00	1.30
5 centavos		1.35	61% copper, 20% zinc, 19% nickel.	15.00	n.a.
Total					

* Serrated edges: 20, 10, 5 and 2½ escudos. Smooth edges: 1 escudo, 50, 20, 10, and 5 centavos.

n.a. Not available.

NOTE.—The People's Republic of Angola became an independent nation on Nov. 11, 1975.

ARGENTINA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
3,000 pesos*	140,520	25.00	900 Silver	38.00	2.17
2,000 pesos*	140,520	15.00	do.....	33.00	1.73
1,000 pesos	140,520	10.00	do.....	28.00	1.70
100 pesos	113,826,499	8.00	92% copper, 6% aluminum, 2% nickel.	27.00	1.70
50 pesos	40,601,317	7.50	do.....	26.00	1.60
20 pesos	.....	5.00	do.....	22.00	1.60
10 pesos	253,863,282	6.50	do.....	25.00	1.60
5 pesos	13,366,709	5.75	do.....	23.50	1.60
1 peso	.....	5.00	do.....	22.00	1.60
50 centavos	.....	4.35	do.....	20.50	1.60
20 centavos	.....	3.10	do.....	18.50	1.40
10 centavos	.....	2.12	do.....	16.50	1.20
5 centavos	.....	.92	96% aluminum, 4% magnesium	17.50	1.40
1 centavo	.....	.62	do.....	15.50	1.20
Total	422,079,367				

¹ 1978 coinage was produced by Casa de Moneda de la Nacion, Buenos Aires, except for the silver coins and some of the 100 and 50 pesos coins, which were made by the Government Mint of Chile.

* Commemorate the 1978 World Cup Soccer Tournament held in Argentina. 1,500 coins of each denomination bore year 1977 (63 of each were proof). 139,020 coins of each denomination were dated 1978 (1,362 of each were proof).

* Smooth edges: 100, 50, 20 pesos; 5 and 1 centavos coins. Reeded edges: All other denominations.

Previous issues of Argentine coins outstanding in 1978

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 pesos (12 sided)	6.5	90% steel, nickel clad.....	25.50	2.0
10 pesos (12 sided)	5.0	do.....	23.00	1.8
5 pesos (12 sided)	4.0	do.....	21.00	1.8

* Smooth edges: all denominations.

NOTE.—Pursuant to Law 18,188, these coins became equivalent in value to 20, 10, and 5 centavos, respectively.



Coinage of Argentina

AUSTRALIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents	20,988,513	15.55	75% copper, 25% nickel	31.51	2.64
20 cents	20,908,513	11.30	do.	28.52	2.44
10 cents	35,508,513	5.65	do.	23.60	1.90
5 cents	25,308,513	2.83	do.	19.41	1.45
2 cents	126,858,513	5.20	97% copper, 2.5% zinc, 0.5% tin.	21.59	1.98
1 cent	100,608,513	2.60	do.	17.53	1.55
Total	330,181,078				

¹ All coinage dated 1978. Coinage made at the Royal Australian Mint, and included 38,513 proof sets, and 70,000 uncirculated sets.

* Smooth edges: 2 and 1 cent coins. Milled edges: All others except the 50 cent piece. 50 cent piece is 12-sided with a smooth edge.

NOTE.—Australian coins circulate in Norfolk Island, Nauru, the Territory of Heard and McDonald Islands, the Australian Antarctic Territory, and the Territory of Cocos (Keeling) Islands.

AUSTRIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 schillings		13.5	900 gold, 100 copper	27.0	1.60
100 schillings ²	7,500,000	24.0	640 silver, 360 copper	36.0	2.70
50 schillings ³	2,000,000	20.0	do.	34.0	2.45
25 schillings		13.0	800 silver, 200 copper	30.0	2.10
10 schillings		7.5	640 silver, 360 copper	27.0	1.60
Do	6,846,000	6.2	75% copper, 25% nickel bonded to pure nickel core.	26.0	1.60
5 schillings	9,940,000	4.8	75% copper, 25% nickel	23.5	1.40
1 schilling	35,665,000	4.2	91.5% copper, 8.5% aluminum	22.5	1.55
50 groschen	12,440,000	3.0	do.	19.5	1.50
10 groschen	57,890,000	1.1	98.5% aluminum, 1.5% magnesium.	20.0	1.60
5 groschen	2,690,000	2.5	Zinc	19.0	1.50
2 groschen	1,560,000	.9	98.5% aluminum, 1.5% magnesium.	18.0	1.50
1 groschen	14,000	1.8	Zinc	17.0	1.30
1 reichspfennig		1.8	do.	17.0	1.30
Trade coins:					
Maria-Theresia thaler.	8,083,500	28.1	833 1/3 silver, 166 2/3 copper.	39.5	2.50
Total	144,628,500				

¹ Coinage by the Austrian Mint, Vienna. All Maria-Theresia thalers were dated 1780. All 1 groschen coins were dated 1947. Other coins for general circulation were dated 1978.

² Consists of 2,000,000 coins commemorating the 700th anniversary of the elevation of the town of Gmunden in Upper Austria to a city (1978); 1,800,000 coins commemorating the 700th anniversary of the battle of Dürnkrut and Jedenspeigen (dated 1978); 1,700,000 coins commemorating the 1,100th anniversary of the founding of the city of Villach in Carinthia (dated 878-1978); and 2,000,000 coins commemorating the completion of the Arlberg vehicular tunnel in the Alps (dated 1974-1978).

³ Commemorating the 150th anniversary of the death of Composer Franz Schubert, dated 1978.

* Lettered edges: 100, 50, 25 schillings and Maria-Theresia thalers. Smooth edges: 5 and 1 schillings, 10, 2, 1 groschen coins. Reeded edges: 1,000 and 10 schillings, 50 and 5 groschen pieces.

AZORES—Coins of Portugal circulate in the Azores

BAHAMAS

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2,500 dollars ¹	22	407.26	916.6 gold.....	72.00	6.24
200 dollars.....		10.92	do.....	28.00	1.30
150 dollars.....		8.19	do.....	24.00	1.40
100 dollars.....		5.46	do.....	21.00	1.25
Do.....		31.95	do.....	36.00	1.10
50 dollars.....		2.73	do.....	17.00	.86
Do.....		15.97	do.....	28.00	n.a.
20 dollars.....		6.38	do.....	22.00	n.a.
10 dollars.....		3.19	do.....	19.00	n.a.
Do.....		48.60	925 silver, 75 copper.....	50.00	3.12
Do.....		41.99	75% copper, 25% nickel.....	50.00	3.12
5 dollars.....		36.40	do.....	45.01	3.20
Do.....		42.12	925 silver, 75 copper.....	45.01	3.20
2 dollars.....		29.81	do.....	40.01	2.84
Do.....		25.77	75% copper, 25% nickel.....	40.01	2.84
1 dollar.....		18.14	800 silver, 200 copper.....	34.54	2.44
Do.....		16.01	75% copper, 25% nickel.....	34.54	2.44
50 cents.....		9.15	do.....	29.01	1.98
Do.....		10.37	800 silver, 200 copper.....	29.01	1.98
25 cents.....		6.80	Pure nickel.....	24.26	2.03
15 cents.....		6.48	75% copper, 25% nickel.....	21.59	2.06
10 cents.....		5.51	do.....	23.50	1.80
5 cents.....		3.89	do.....	21.01	1.52
1 cent.....		3.11	79% copper, 20% zinc, 1% nickel.	19.05	1.42
Total.....	22				

¹ 1978 coinage was made by the Royal Canadian Mint, and was dated 1974.

* Smooth edges: 1, 5, 10, and 15 cent coins. Reeded edges: All other denominations.

n.a. Not available.

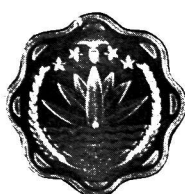
BAHRAIN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dinars.....		16.00	916½ gold, 83½ copper.....	28.40	n.a.
500 fils.....	9,940	18.06	800 silver, 200 copper.....	34.54	n.a.
250 fils.....	9,940	15.00	75% copper, 25% nickel.....	32.00	2.34
100 fils.....	3,009,940	6.50	do.....	25.00	n.a.
50 fils.....	1,609,940	3.10	do.....	20.00	n.a.
25 fils.....	1,884,940	1.75	do.....	16.51	1.19
10 fils.....	1,009,940	4.75	97% copper, 2.5% zinc, 0.5% tin.	23.50	1.47
5 fils.....	1,009,940	2.00	do.....	18.50	.84
1 fil.....		1.50	do.....	15.00	n.a.
Total.....	8,554,520				

¹ 1978 coinage, produced by mints in the United Kingdom, bore the date 1385 (1965), and included 9,940 proof coins of each denomination.

* Milled edges: 100 dinars, 500, 250, 100, 50, and 25 fils. Smooth edges: 10, 5, and 1 fils.

n.a. Not available.



Coinage of Bangladesh

BANGLADESH

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 poisha	37,300,000	4.00	Stainless steel.....	22.00	1.52
25 poisha	66,750,000	2.65	do.....	19.00	1.45
10 poisha	141,744,000	2.00	Aluminum with 2.8% magne- sium.	(²)	2.12
5 poisha	52,432,000	1.40	do.....	³ 18.80	1.62
Total	298,226,000				

¹ 1978 coinage, produced by the Royal Canadian Mint, was dated 1978.

² 8 scallops: Outer circle 24 mm.; inner circle 21.40 mm.

³ Square coin.

* Reeded edges: 50 and 25 poisha coins. Smooth edges: 10, and 5 poisha coins.

Previous issues of Bangladesh coins in circulation in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 rupee	11.55	Nickel	27.94	n.a.
1 taka	6.00	Cupronickel	26.00	n.a.
50 poisha	4.00	Copper, nickel, zinc alloy	22.00	n.a.
Do	5.00	75% copper, 25% nickel	22.00	n.a.
25 poisha	4.00	do.....	20.00	n.a.
10 poisha	4.00	do.....	(¹)	n.a.
5 poisha	3.00	79% copper, 20% zinc, 1% nickel.	(²)	n.a.
2 poisha	2.25	97% copper, 2.5% zinc, 0.5% tin.	(³)	n.a.
Do	.75	99.75% aluminum, 0.25% copper.	(⁴)	n.a.
1 poisha	1.50	97% copper, 2.5% zinc, 0.5% tin	17.00	n.a.
Do	.60	Aluminum	17.00	n.a.
Do	.51	Aluminum with 2.8% magnesium ..	16.00	n.a.

¹ 12 scallops with outer diameter 22 mm. and inner diameter 20.8 mm.

² Square coin with rounded corners measuring 21 mm. diagonally and 18.06 mm. across flats.

³ Scalped coin with outer diameter 18 mm. and inner diameter 17.05 mm.

⁴ Scalped coin with outer diameter 18 mm. and inner diameter 17.6 mm.

* Smooth edges: 5 and 1 poisha coins. Serrated edges: 50 and 25 poisha coins. Waved edges: 10 and 2 poisha coins.

Milled edges: 1 rupee.

n.a. Not available.

BARBADOS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars		6.34	500 gold	26.16	1.50
25 dollars	8,644	28.28	925 silver	38.61	3.00
10 dollars	5,332	38.00	do	42.00	n.a.
Do		32.84	75% copper, 25% nickel	42.00	3.00
5 dollars	5,332	32.10	800 silver	40.00	n.a.
Do		28.34	75% copper, 25% nickel	40.00	2.50
2 dollars	5,332	20.00	do	36.00	2.50
1 dollar	5,332	10.00	do	28.50	2.00
25 cents	2,406,832	5.65	do	23.60	1.47
10 cents	6,832	2.26	do	17.78	1.00
5 cents	6,832	3.75	80% copper, 20% zinc	21.00	1.50
1 cent	4,806,832	3.11	97% copper, 2.5% zinc, 0.5% tin.	19.00	1.50
Total	7,257,300				

¹ Coinage for general circulation (2.4 million 25-cent pieces and 4.8 million cents) were struck by the Royal Canadian Mint. All other coins were numismatic coins manufactured by the Franklin Mint. All coins were dated 1978.

n.a. Not available.

* Smooth edges: \$1, 5 and 1 cent coins. Reeded edges: All other denominations.

BELGIUM

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 francs	5,000,000	8.00	Pure nickel	27	2.00
5 francs	55,000,000	6.00	75% copper, 25% nickel	24	1.75
1 franc	95,000,000	4.00	do	21	1.55
50 centimes	5,000,000	2.75	95% copper, 3% tin, 2% zinc.	19	1.30
Total	160,000,000				

¹ The 1978 coinage, made by the Belgian Government Mint, was dated 1978.

* Milled edges: 5 and 1 franc. Smooth edges: 10 francs and 50 centimes.

Other Belgian coins in active circulation during 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 francs	25.00	835 silver, 165 copper	37	2.50
100 francs "Dynastie"	18.00	do	33	2.30
25 centimes	1.80	75% copper; 25% nickel	16	1.20

* Milled edge: 100 francs. Smooth edge: 25 centimes. Engraved edge: 250 francs.

NOTE.—The 50 F coin was demonetized Feb. 22, 1974.

BELIZE (formerly British Honduras)

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents	125,000	9.07	75% copper, 25% nickel	27.74	n.a.
25 cents	500,000	5.66	 do.	23.60	n.a.
10 cents	800,000	2.40	 do.	17.00	n.a.
5 cents	960,000	1.04	Aluminum	20.19	n.a.
1 cent		2.59	97% copper, 2.5% zinc, 0.5% tin.	19.51	1.04
Do	750,000	.79	Aluminum	19.51	n.a.
Total	3,135,000				

¹ 1978 coinage, made by mints in the United Kingdom, was dated 1979, except for 250 thousand of the 1-cent coins which were dated 1976.

* Milled edges: 50, 25, and 10 cents. Smooth edges: 5 and 1 cent pieces.

n.a. Not available.

BENIN, PEOPLE'S REPUBLIC OF —See West African Monetary Union**BERMUDA**

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars	200	7.03	900 gold	24.25	1.40
25 dollars		48.30	925 silver, 75 copper	48.00	3.27
Do		41.80	75% copper, 25% nickel	48.00	3.27
20 dollars		7.99	916.6 gold	22.05	1.47
1 dollar		28.28	925 silver, 75 alloy	38.00	n.a.
Do		28.28	500 silver, 500 alloy	38.00	n.a.
Do		28.28	800 silver, 200 alloy	38.61	2.98
50 cents	200,000	12.64	75% copper, 25% nickel	30.61	2.28
25 cents		5.96	 do.	24.26	1.70
10 cents		2.43	 do.	17.91	1.39
5 cents		5.00	 do.	21.21	1.85
1 cent	3,000,000	3.11	97% copper, 2.5% zinc, 0.5% tin.	19.05	1.47
Total	3,200,200				

¹ 1978 coinage was produced by mints in the United Kingdom except for the \$100 coins which were struck by the Royal Canadian Mint. Of the \$100 coins, half are proof, the other half uncirculated. All coins were dated 1978.

* Serrated edges: \$100, \$25, \$1, 50, 25, and 10 cents. Smooth edges: 5 and 1 cent pieces.

n.a. Not available.

BHUTAN

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
30 ngultrums		25.00	500 silver, 400 copper, 50 nickel, 50 zinc.	39.00	n.a.
15 ngultrums		22.50	do.	39.00	3.00
1 ngultrum		n.a.	n.a.	n.a.	n.a.
25 chetrums		n.a.	n.a.	n.a.	n.a.
20 chetrums		4.50	92% copper, 6% aluminum, 2% nickel.	22.00	1.85
10 chetrums		2.30	96% aluminum, 4% magnesium	26.00	n.a.
5 chetrums		n.a.	n.a.	n.a.	n.a.
Total					

n.a. Not available.

* Serrated edges: 15 ngultrums and 20 chetrums.

NOTE.—Coins of India also circulate in Bhutan.

BOLIVIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 peso-bolivianos		22.00	933 silver, 67 copper	34.00	1.00
250 peso-bolivianos		15.00	do.	30.00	1.00
100 peso-bolivianos		10.00	do.	26.00	1.00
5 peso-bolivianos	10,000,000	8.50	90% steel, nickel clad	30.00	n.a.
1 peso-boliviano	10,000,000	6.00	do.	27.00	1.57
50 cents	5,000,000	4.00	do.	24.00	1.40
25 cents		3.50	do.	22.50	1.35
20 cents		3.00	do.	21.50	1.30
10 cents		2.50	90% steel, copper clad	19.00	1.38
5 cents		1.75	do.	16.00	1.32
Total	25,000,000				

¹ 1978 coinage manufactured by Vereinigte Deutsche Metallwerke A.G., was dated 1978.

* Serrated edges: 500, 250, 100, 5, and 1 peso-boliviano coins. Smooth edges: Other denominations.

n.a. Not available.

BOTSWANA

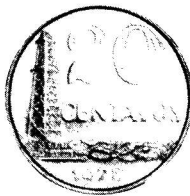
Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
150 pula	156	33.44	916.6 gold	34.00	n.a.
10 pula	7,941	35.00	925 silver	38.60	n.a.
5 pula ²	7,445	28.28	do.	38.60	n.a.
1 pula(12 scallops)....	5,850	10.30	75% copper, 25% nickel	29.50	2.17
50 thebe	5,850	11.31	do.	28.50	2.35
25 thebe	5,850	5.73	do.	25.00	1.55
10 thebe	5,850	3.83	do.	22.00	1.39
5 thebe	5,850	2.70	97% copper, 2.5% zinc, 0.5% tin.	19.50	1.27
1 thebe	5,850	.70	Aluminum	18.50	1.27
Total	50,642				

¹ 1978 coinage, manufactured by mints in the United Kingdom. The 150, 10, and 5 pula coins were dated 1978, and, except for 4,000 of the 10 and 4,030 of the 5 pulas, were proof. Production includes 5,850 6-coin proof sets dated 1976.² Commemorate the 10th anniversary of Botswana's independence and bear the date 1966-1976. Includes 1,000 proof coins.

* Smooth edges: 1 pula. Reeded edges: All other denominations.

n.a. Not available.

NOTE.—First distinctive Botswana coins were issued Aug. 23, 1976. Botswana previously used South African currency and coin.



Coinage of Brazil

BRAZIL

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
300 cruzeiros.....		16.65	920 gold.....	27.50	1.80
20 cruzeiros.....		18.04	900 silver.....	34.10	2.10
10 cruzeiros.....		11.30	800 silver, 200 copper.....	28.00	1.80
1 cruzeiro.....	77,000	10.25	75% copper, 25% nickel.....	29.00	1.70
50 centavos.....	200,000,000	6.65	Stainless steel.....	27.00	1.50
20 centavos.....	255,000,000	5.67	Stainless steel.....	25.00	1.50
10 centavos.....	225,000,000	4.22	do.....	23.00	1.30
5 centavos.....	34,090,000	2.69	do.....	21.00	1.00
2 centavos.....	50,000	2.21	do.....	19.00	1.00
1 centavo.....	50,000	1.77	do.....	17.00	1.00
Total.....	714,267,000				

¹ 1978 coinage, manufactured by the Brazilian Mint, was dated 1978.

* Serrated edges: 1 cruzeiro. Smooth edges: 50, 20, 10, 5, 2, and 1 centavos coins. Lettered edges: 300, 20, and 10 cruzeiro commemoratives.

BRUNEI

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 dollars.....	728	50.00	916.6 gold, 83.4 copper.....	40.00	n.a.
10 dollars.....	5,000	28.28	925 silver, 75 copper.....	38.61	n.a.
50 sen.....	480,000	9.33	75% copper, 25% nickel.....	27.76	1.73
20 sen.....	1,280,000	5.66	do.....	23.60	1.45
10 sen.....	1,920,000	2.83	do.....	19.41	1.10
5 sen.....	1,040,000	1.41	do.....	16.26	.76
1 sen.....	360,000	1.94	97% copper, 2.5% zinc, 0.5% tin.	17.78	.91
Total.....	5,085,728				

¹ Made by mints in the United Kingdom, coins were dated partially 1977 and partially 1978. The gold coins were dated 1968/1978, while the silver coins were dated 1977.

* Smooth edge: 1 sen. Reeded edges: All other denominations.

n.a. Not available.

BURMA

Denomination	Coinage in 1978	Gross weight	Metallic composition.	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 kyat.....		11.66	75% copper, 25% nickel.....	30.5	2.24
50 pyas.....		7.78	do.....	26.0	1.93
25 pyas (Scalloped).....		6.80	do.....	22.5, 24.0	2.03
10 pyas (Square).....		4.54	do.....	19.8, 23.4	1.73
5 pyas (Scalloped).....		3.24	do.....	18.5, 19.5	1.55
1 pya.....		2.27	95.5% copper, 3% tin, 1.5% zinc.	18.0	1.20
Do.....		2.27	97% copper, 2.5% zinc, 0.5% tin.	18.0	n.a.

* Type of edge not available.

n.a. Not available.

BURUNDI

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 francs		8.00	75% copper, 25% nickel	28	1.8
5 francs		2.17	97% aluminum, 3% magnesium	25	1.6
1 franc		4.11	70% copper, 30% zinc	23	1.1
Do		.87	Aluminum	19	1.4
Total					

* Milled edges. All coins.

CAMBODIA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 riel		2.8	75% copper, 25% nickel	19.38	n.a.
50 sen		3.8	95% aluminum, 5% magnesium	31.00	2.43
20 sen		2.2	do.....	27.00	2.05
10 sen		1.3	do.....	23.00	1.56
Total					

* Type of edge not available except for 1 riel, which has reeded edge.

n.a. Not available.

CANADA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars ²	180,009	16.97	916.6 gold	27.00	2.16
Do		13.34	583.3 gold	27.00	2.15
10 dollars		48.60	925 silver	45.00	3.43
5 dollars		24.30	do.....	37.95	2.49
1 dollar ³	744,655	23.33	500 silver, 500 copper	36.07	2.66
Do	2,948,488	15.62	Pure nickel	32.13	2.62
50 cents	3,341,892	8.10	do.....	27.13	1.94
25 cents	176,475,408	5.05	do.....	23.88	1.58
10 cents	170,366,431	2.07	do.....	18.03	1.19
5 cents	137,079,273	4.54	do.....	21.21	1.76
1 cent	911,170,647	3.24	98% copper, 1.5% zinc, 0.5% tin.	19.05	1.65
Total	1,402,306,803				

¹ Coinage produced by the Royal Canadian Mints, Ottawa, Hull, and Winnipeg, was dated 1978. Production included 448 numismatic sets (260 6-coin sets \$1-1-cent; 147 7-coin sets containing both a silver and a nickel dollar; and 41 7-coin sets including 2 1-cent coins).

² Proof coins commemorating Canadian unity, bearing legend "Together into the future."

³ Commemorating the Silver Jubilee of Queen Elizabeth II.

* Reeded edges on all denominations except the 5 and 1 cent pieces, which are smooth.

Previous Issues of Canadian Coins in Circulation in 1978

Denomination	Gross weight	Metallic Composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents	11.66	800 silver, 200 copper	29.72	2.03
25 cents	5.83	do.....	23.88	1.78
Do	5.83	500 silver, 500 copper	23.88	1.78
10 cents	2.33	800 silver, 200 copper	17.91	1.22
Do	2.33	500 silver, 500 copper	21.21	1.22
5 cents	1.17	800 silver, 200 copper	21.21	1.78
Do	4.54	88% copper, 12% zinc	21.23	1.78
Do	4.54	Steel	21.21	1.78

* Reeded edges: 50, 25, and 10 cent coins. Smooth edges: 5 cent coins. The 88% copper 5-cent piece is 12-sided.



Coinage of Canada

CAPE VERDE, REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2,500 escudos		8.0	900 gold, 100 silver and copper	22.0	1.63
250 escudos	524	16.5	925 silver, 75 copper	34.0	2.18
10 escudos		5.0	720 silver, 280 copper	24.0	1.20
5 escudos		4.0	75% copper, 25% nickel	22.0	1.40
2½ escudos		3.5	do	20.0	1.30
1 escudo		8.0	95% copper, 3% zinc, 2% tin.	26.0	1.80
Do		8.0	61% copper, 20% zinc, 19% nickel.	26.8	1.60
50 centavos		4.5	do	22.8	1.30
Do		4.0	95% copper, 3% zinc, 2% tin.	20.0	1.50
20 centavos		5.0	96% copper, 4% zinc	25.0	1.20
10 centavos		4.0	do	22.5	1.20
5 centavos		3.0	do	19.0	n.a.
Total	524				

¹ 1978 coinage was made by the Portuguese Government Mint and dated 1976. Proof coins, commemorating the first anniversary of independence.

*Serrated edges: 2,500, 250, 10, 5, and 2½ escudos. Smooth edges: 1 escudo, 50, 20, 10, and 5 centavos.

n.a. Not available.

NOTE.—The Republic of Cape Verde became independent on July 6, 1975.

CARIBBEAN TERRITORIES, EASTERN GROUP

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
4 dollars		28.28	75% copper, 25% nickel	38.61	3.00
50 cents	240,000	13.00	do	30.10	n.a.
25 cents	960,000	6.50	do	24.00	1.98
10 cents	1,500,000	2.60	do	18.10	1.50
5 cents		5.00	79% copper, 20% zinc, 1% nickel.	21.00	2.00
2 cents		9.45	95.5% copper, 3% tin, 1.5% zinc.	30.90	1.78
Do	1,625,000	9.45	97% copper, 2.5% zinc, 0.5% tin.	30.90	1.78
1 cent	2,525,000	5.67	do	25.50	1.60
Do		5.67	95.5% copper, 3% tin, 1.5% zinc.	25.50	1.60
Total	6,850,000				

¹ 1978 coinage, produced by mints in the United Kingdom, was dated 1965.

n.a. Not available.

*Milled edges: \$4, 50, 25, 10 and 5 cents. Smooth edges: 2 cents, and 1 cent pieces.

NOTE.—The currency area currently includes Grenada, Montserrat and the five Associated States, Antigua, St. Kitts, St. Vincent, St. Lucia, and Dominica.

CAYMAN ISLANDS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars ²	1,966	22.68	500 gold	34.00	2.74
50 dollars ³	9,799	11.34	do	27.00	n.a.
Do ²	2,445	64.80	925 silver	50.00	3.76
25 dollars		14.32	500 gold	27.10	n.a.
Do ⁴	13,303	51.84	925 silver	45.00	3.17
5 dollars	3,525	35.64	do	42.00	3.07
2 dollars	1,980	29.81	do	40.00	2.80
1 dollar	1,980	18.14	do	35.00	2.13
50 cents	1,980	10.37	do	28.50	1.93
25 cents	201,980	5.67	75% copper, 25% nickel	24.26	1.68
10 cents	321,980	3.90	do	20.96	1.62
5 cents	201,980	2.20	do	18.00	1.22
1 cent	601,981	2.85	97% copper, 2.5% zinc, 0.5% tin.	17.00	1.72
Total.....	1,364,899				

¹ 1978 coinage was made by mints in the United Kingdom except for the gold and silver and 1,980 proof sets (\$5-1 cent coins) which were produced by the Royal Canadian Mint. All coins were dated 1977. The \$5 coins were all proofs.

² 1977-dated proof coins honoring the Silver Jubilee of Queen Elizabeth II.

³ Honoring the six sovereign queens of Great Britain; dated 1977, and segregated as follows: 1,999 portrayed Queen Mary I; 1,969 Queen Elizabeth I; 1,961 Queen Mary II; 1,938 Queen Anne; and 1,932 Queen Victoria.

⁴ Proof coins honoring the Silver Jubilee of Queen Elizabeth II. Segregated to portray the 5 former Queens as follows: 2,720 Mary I; 2,677 Elizabeth I; 2,653 Mary II; 2,630 Anne; and 2,623 Victoria.

* Reeded edges: \$100, \$50, \$25, \$5, \$2, \$1, 50, 25, and 10 cent coins. Smooth edges: 5 and 1 cent coins.

n.a. Not available.

CHILE

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Peso system: ²					
10 pesos		9.00	70% copper, 15% nickel, 15% zinc.	28.00	1.65
Do.....	20,000,000	9.00	70% copper, 15% nickel, 15% aluminum.	28.00	1.65
5 pesos	11,700,000	7.00	do	26.00	1.49
1 peso	300,000	5.00	70% copper, 15% nickel, 15% zinc.	24.00	1.24
Do.....	39,700,000	5.00	92% copper, 6% aluminum, 2% nickel.	24.00	1.38
50 centavos	19,250,000	4.00	do	22.00	1.30
Do.....	800,000	4.00	70% copper, 15% nickel, 15% zinc.	22.00	1.18
10 centavos ³		5.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.51
Do.....	58,050,000	2.00	99.5% aluminum.....	23.00	1.80
5 centavos ³		1.50	do	21.00	1.60
Do.....		4.00	92% copper, 6% aluminum, 2% nickel.	21.00	1.45
1 centavo.....		2.00	100% aluminum	25.00	1.53
Total.....	149,800,000				

¹ 1978 coinage, produced by the Chilean Government Mint, was dated 1978.

² On Sept. 29, 1975, a new monetary unit, the peso, with fractional unit the centavo, was introduced. 1 peso is equivalent to 1,000 escudos.

³ 12-sided coins.

* Reeded edges: 10, 5, and 1 peso, 50 centavos. Smooth edges: All others.



Coinage of Chile

CHINA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 fen.....	350,000,000	1.60	94.6% aluminum, 5% magne- sium, .04% manganese.....	18.00	1.35
2 fen.....	360,000,000	1.80	do.....	21.00	1.60
1 fen.....	500,000,000	.67	do.....	24.00	1.80
Total.....	1,210,000,000				

¹ 1978 coinage was produced by the Printing Bureau, People's Bank of China, Beijing. The 1 fen coins were dated 1975, the 2 fens 1977, and the 5 fen pieces were dated 1976.

* Reeded edges: All denominations.



Coinage of China

TAIWAN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 dollars.....	78,082,000	9.50	75% copper, 25% nickel.....	29.0	2.00
1 dollar.....	104,245,000	6.00	55% copper, 27% zinc, 18% nickel.	25.0	1.60
50 cents.....	24,980,000	3.70	65% copper, 34% zinc, 1% nickel.	23.0	1.30
20 cents.....		1.80	Aluminum.....	22.8	1.63
10 cents.....		1.15	99% aluminum, 1% magnesium	19.0	1.70
Total.....	207,307,000				

¹ All coins produced by Central Mint of China, Taoyuan, Taiwan.

* Reeded edges: All denominations.

COLOMBIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Numismatic coins:					
2,000 pesos.....		8.60	900 gold, 100 other metal.....	(²)	1.50
1,500 pesos.....		19.10	do.....	27.00	2.50
1,000 pesos.....		4.30	do.....	(³)	1.00
Subtotal.....					
Regular issue:					
5 pesos.....		10.00	90% steel nickel clad.....	30.00	2.20
2 pesos.....	69,574,500	7.80	92% copper, 8% nickel.....	23.85	2.40
1 peso.....	48,624,000	6.75	65% copper, 20% zinc, 15% nickel.	25.40	1.90
50 centavos ⁴	10,736,000	4.50	90% steel cupronickel clad....	23.00	1.65
20 centavos.....	10,630,000	4.50	do.....	23.00	1.65
10 centavos.....	41,613,700	2.50	do.....	18.30	1.50
5 centavos.....	467,564	3.25	90% steel copper clad.....	21.30	1.50
1 centavo.....	223,500	2.00	do.....	17.20	1.45
Subtotal.....	181,869,264				
Total.....	181,869,264				

¹ All regular issue 1978 coinage bore the year 1978 and was made by Casa de Moneda, Bogota.² Square coin with rounded corners, measuring 21 mm. across flats.³ Square coin with rounded corners, measuring 17 mm. across flats.⁴ 12-sided coin.

* Reeded edges: All numismatic coins, 1 and 5 pesos, 20, and 10 centavos pieces. Smooth edges: 50, 5, and 1 centavo pieces. Lettered edge: 2 pesos.

COMOROS, REPUBLIC OF

COOK ISLANDS

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dollar.....		27.22	75% copper, 25% nickel.....	38.74	3.05
50 cents.....		13.61	do.....	31.75	2.36
20 cents.....		11.31	do.....	28.58	2.41
10 cents.....		5.66	do.....	23.62	1.90
5 cents.....		2.83	do.....	19.43	1.45
2 cents.....		4.15	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.68
1 cent.....		2.07	do.....	17.53	1.29
Total.....					

* Edges not available.

COSTA RICA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 colones.....	.....	20.00	Pure nickel.....	36.00	n.a.
10 colones.....	.....	16.00	do.....	33.00	n.a.
5 colones.....	.....	12.00	do.....	30.00	n.a.
2 colones.....	.....	14.00	75% copper, 25% nickel.....	32.00	2.28
1 colon.....	10,000,000	10.00	do.....	29.00	1.68
50 centimos.....	.....	7.00	do.....	26.00	1.49
25 centimos.....	.....	3.45	do.....	22.00	1.30
10 centimos.....	.....	2.00	do.....	18.00	1.10
5 centimos.....	7,520,000	1.00	do.....	15.00	.67
Subtotal.....	17,520,000	.....	.....	.....	.....
Numismatic coins:	.....	.....	.....	.....	.....
1,500 colones.....	.....	33.44	900 gold, 100 silver.....	34.00	2.49
1,000 colones.....	.....	149.04	900 gold, 100 copper.....	60.00	n.a.
500 colones.....	.....	74.52	do.....	55.00	n.a.
200 colones.....	.....	29.80	do.....	40.00	n.a.
100 colones.....	.....	14.90	do.....	30.00	n.a.
Do ²	100	35.00	925 silver.....	42.00	n.a.
Do ²	2,440	31.65	500 silver, 500 copper.....	42.00	2.87
50 colones.....	.....	25.31	do.....	38.61	n.a.
Do ²	100	28.28	925 silver.....	38.61	2.75
Do.....	.....	7.45	900 gold, 100 copper.....	23.00	n.a.
25 colones.....	.....	53.90	1000/1000 pure silver.....	60.00	n.a.
20 colones.....	.....	43.12	do.....	50.00	n.a.
10 colones.....	.....	21.56	do.....	40.00	n.a.
5 colones.....	.....	10.78	do.....	28.00	n.a.
2 colones.....	.....	4.31	do.....	21.00	n.a.
Subtotal.....	2,640	.....	.....	.....	.....
Grand total.....	17,522,640	.....	.....	.....	.....

¹ 1978 coinage: 1 colon, dated 1977, and 5 centimos, dated 1978, produced by Royal Canadian Mint.² Manufactured by Royal Mint, London, dated 1974. Part of the World Wildlife Conservation series, calling attention to endangered species of wildlife. The 925 silver coins were proof.

* Lettered edges: 2 and 1 colones, 50, 25, 20 centimos. Reeded edges: All numismatic coins and 10 and 5 centimos. n.a. Not available.

CYPRUS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 pounds ²	55,200	15.98	916.6 gold, 83.4 copper.....	28.40	n.a.
1 pound.....	2,824	28.28	75% copper, 25% nickel.....	38.61	n.a.
Do ³	200	28.28	925 silver, 75 copper.....	38.61	n.a.
500 mils.....		14.14	75% copper, 25% nickel.....	32.31	2.29
Do ³	200	14.14	925 silver, 75 copper.....	32.31	2.11
100 mils.....	1,000,000	11.31	75% copper, 25% nickel.....	28.49	2.29
50 mils.....	1,000,000	5.66	do.....	23.59	1.73
25 mils.....	1,000,000	2.83	do.....	19.41	1.32
5 mils.....	4,000,000	5.67	97% copper, 2.5% zinc, 0.5% tin.	25.48	1.60
1 mil.....		1.00	91.15% aluminum, 6.8% magne- sium, 2.05% other metals.	(*)	1.70
Total.....	7,058,424				

¹ 1978 coinage was produced by mints in the United Kingdom. The silver £1 and 500 mils were proof and bore 1976, as did the other £1 coins. All of the 100 mils and half of the 50, 25, and 5 mils were dated 1978, the balance bore 1977.

² Coins, honoring the late Archbishop Makarios, former president of Cyprus of which 30,200 were proof. These were dated 1977.

³ Proof coins.

* Twelve-sided coin measures 18.3 mm. across the flats.

* Milled edges: £50, £1, 500, 100, 50, and 25 mils. Smooth edges: 5, and 1 mils.

n.a. Not available.

CZECHOSLOVAKIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Trade Coins: ²					
10 ducats	10,000	34.91	9861;9 gold, 138;9 copper	42.00	n.a.
5 ducats	10,000	17.45	do.....	34.00	n.a.
2 ducats	10,000	6.98	do.....	25.00	n.a.
1 ducat	20,000	3.49	do.....	19.75	n.a.
Commemorative: ³					
100 crowns ⁴	180,000	15.00	700 silver, 300 copper	33.00	n.a.
50 crowns ⁵	180,000	13.00	do.....	31.00	2.20
20 crowns	n.a.	9.00	500 silver, 400 copper, 50 nickel, 50 zinc.	29.00	2.00
Regular issue:					
5 crowns	n.a.	7.00	80% copper, 20% nickel	26.00	1.90
2 crowns	n.a.	6.00	do.....	24.00	1.90
1 crown	n.a.	4.00	91% copper, 8% aluminum, 1% manganese.	23.00	1.53
50 hellers	n.a.	3.20	80% copper, 20% zinc	20.80	1.30
20 hellers	n.a.	2.60	79% copper, 20% zinc, 1% nickel.	19.50	1.40
10 hellers	n.a.	.90	97.65% aluminum, 2% magne- sium, 0.35% manganese.	18.20	2.30
5 hellers	n.a.	.75	do.....	16.20	1.60
Total					

¹ Coins were manufactured by Czechoslovak State Mint, Kremnica.

² Gold coins, issued as trade coins on Nov. 24, 1978, commemorate the 600th anniversary of the death of the Czech King, Charles IV, King of Bohemia. Coins dated 1978. Reeded edges.

³ Commemorative coins valid as legal tender.

⁴ Consists of 100,000 King Charles IV commemoratives, obverse dates 1346-1378, reverse dated 1978 and 80,000 coins marking the 75th anniversary of the birth of the Communist-Journalist, Julius Fucik, dated 1903-1978.

⁵ Consists of 100,000 coins commemorating the 650th anniversary of the historic mint at Kremnica, dated 1328-1978, and 80,000 pieces honoring the 100th birthday of the Czech educator, historian, and musician, Zdenek Nedjedly, dated 1878-1978.

*Smooth edges: 5 and 10 h. Reeded edges: gold coins, 1 Kc, 50, and 20 h pieces. Smooth engraved: 20, 5, and 2 Kcs. Lettered edge: 100 Kcs. Edges of other commemoratives vary.

n.a. Not available.

Previous issues of Czechoslovakian coins outstanding in 1978

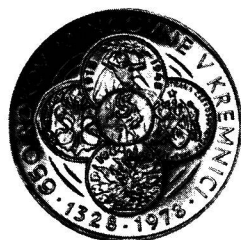
Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 crowns	7.00	80% copper, 20% nickel	26.00	1.50
3 crowns	5.50	do.....	23.50	1.35
25 heller	1.43	97.6% aluminum, 2% magnesium, 0.4% manganese.	24.00	1.20
10 heller ¹	1.18	do.....	22.00	1.20
5 hellers ²	.80	do.....	20.00	1.00
3 heller ³	.66	do.....	18.00	1.00
1 heller	.50	do.....	16.00	1.00

¹ Demonetized Dec. 31, 1977. Exchangeable by the State Bank until Nov. 30, 1978.

² Demonetized Dec. 21, 1978. Exchangeable by the State Bank until Nov. 30, 1979.

³ Demonetized Jan. 31, 1976. Exchanged through Nov. 30, 1976.

*"Smooth, engraved" edges: 5 and 3 Kcs coins. Incused edge: 25 h. Smooth edges: 3 and 1 h coins. Reeded edge: 10 heller.



Coinage of Czechoslovakia

DENMARK

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 kroner.....		20.50	800 silver.....	36.00	2.20
5 kroner.....	2,983,609	15.00	75% copper, 25% nickel.....	33.00	2.35
1 kroner.....	11,286,486	6.80	do.....	25.50	1.85
25 ore with hole ²	17,444,020	4.30	do.....	23.00	1.50
10 ore.....	30,302,601	3.00	do.....	18.00	1.58
5 ore.....	52,425,127	1.60	90% steel, copper clad.....	15.50	1.25
2 ore.....		3.20	Zinc.....	21.00	1.55
Do.....		3.60	95% copper, 4% tin, 1% zinc.....	19.50	1.47
1 ore.....		1.60	do.....	16.00	1.31
Total.....	114,441,843				

¹ Made at the Royal Mint of Denmark.² The diameter of central hole is 4.6 mm.

* Reeded edges: 10, 5 and 1 kroner. Smooth edges: All other coins.

DJIBOUTI, REPUBLIC OF

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs.....		12.0	75% copper, 25% nickel.....	30.0	n.a.
50 francs.....		7.0	do.....	25.5	n.a.
20 francs.....		4.0	92% copper, 6% aluminum, 2% nickel.....	23.5	n.a.
10 francs.....		3.0	do.....	20.0	n.a.
5 francs.....		3.5	95% aluminum, 5% magnesium.....	31.0	n.a.
2 francs.....		2.2	do.....	27.0	n.a.
1 franc.....		1.3	do.....	23.0	n.a.
Total.....					

* Smooth edges: 10, 5, 2, and 1 franc coins. Reeded edges: 100 and 50 franc coins.

n.a. Not available.

NOTE.—Formerly French Afars and Issas, the Republic of Djibouti was granted independence on June 27, 1977.

DOMINICA—See Caribbean Territories, Eastern Group

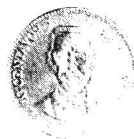
DOMINICAN REPUBLIC

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 pesos.....		31.00	800 gold.....	34.00	2.80
100 pesos.....		10.00	900 gold.....	25.00	1.50
30 pesos.....		11.70	900 gold, 100 copper.....	24.30	n.a.
Do.....		78.00	925 silver.....	50.00	4.40
10 pesos.....		28.00	900 silver, 100 copper.....	40.00	2.80
Do.....		27.00	do.....	40.00	2.70
1 peso.....	80,000	26.70	75% copper, 25% nickel.....	38.10	4.00
Do.....		26.70	900 gold, 100 copper.....	38.10	n.a.
50 centavos.....	732,000	12.50	75% copper, 25% nickel.....	30.63	2.20
25 centavos.....	2,580,000	6.25	do.....	24.30	1.80
10 centavos.....	6,490,000	2.50	do.....	17.90	1.50
5 centavos.....	4,984,000	5.00	do.....	21.20	1.90
1 centavo.....	5,980,000	3.00	95% copper, 4.5% zinc, 0.5% tin.....	19.05	1.70
Total.....	20,846,000				

¹ Struck by the U.S. Mint, Philadelphia, and dated 1978.

* Reeded edges: 200, 100, silver 30, 10, and 1 pesos; 50, 25, and 10 centavos. Smooth edges: 1 and 5 centavos coins. Lettered edge: 28 gr. silver 10 peso coin.

n.a. Not available.



Coinage of the Dominican Republic

DUBAI—See United Arab Emirates

ECUADOR

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2 sucre .....	.....	9.00	75% copper, 25% nickel	29.00	n.a.
1 sucre	32,000,000	6.50	90% steel, nickel clad	26.00	1.60
50 centavos .....	.....	5.00	 do	23.00	1.50
20 centavos	37,500,000	3.60	 do	21.00	1.50
10 centavos .....	.....	2.75	 do	19.00	1.50
5 centavos .....	.....	2.00	75% copper, 25% nickel	17.00	1.00
Total	69,500,000				

¹ 1978 coinage was dated 1978. The 20 centavos were made by mints in the United Kingdom. The 1 sucre coins were manufactured by Vereinigte Deutsche Metallwerke, A.G.

* Reeded edges: 2 and 1 sucre, and 50 centavos. Smooth edges: 20, 10, and 5 centavos.
n.a. Not available.



Coinage of Ecuador

EGYPT, ARAB REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 pounds		26.00	875 gold, 25 silver, 100 copper.	33.00	n.a.
1 pound		8.00	do.....	24.00	n.a.
Do ²	500,000	15.00	720 silver, 280 copper	35.00	n.a.
10 piastres	13,200,000	6.00	75% copper, 25% nickel	27.00	n.a.
5 piastres	10,800,000	4.50	do.....	25.00	n.a.
10 milliemmes	20,000,000	3.20	92% copper, 8% aluminum	21.00	n.a.
5 milliemmes	16,000,000	2.00	do.....	18.00	n.a.
Total	60,500,000				

¹ 1978 coinage was produced at the Mint House, Cairo. The piastres were dated 1966, the milliemmes were dated 1972. The silver coins were dated 1978.

² Includes: 250,000 coins honoring the Egyptian singer, Om Kalsom; 50,000 coins commemorating each of the following: FAO; the Revolution of 15 May 1971; the 25th anniversary of Ein Shames University; and the 25th anniversary of the Portland Cement Co. in Egypt.

* Reeded edges: 5 and 1 pound, 10, and 5 piastres. Smooth edges: 10 and 5 milliemmes.

n.a. Not available.

EIRE—See Ireland, Republic of

EL SALVADOR

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 colones		15.98	916.6 gold, 83.4 copper	28.40	2.00
25 colones		25.00	900 silver, 100 copper	37.00	2.50
50 centavos		3.88	Pure nickel	20.00	1.65
Do		5.00	do.....	20.00	2.00
25 centavos	2,400,000	2.50	do.....	17.90	1.48
10 centavos		7.00	75% copper, 25% nickel	26.00	2.50
Do		7.00	65% copper, 23% zinc, 12% nickel.	26.00	2.00
5 centavos		5.00	75% copper, 25% nickel	23.00	1.63
Do		4.00	65% copper, 23% zinc, 12% nickel.	23.00	2.00
3 centavos		4.00	70% copper, 30% zinc	19.00	2.00
2 centavos		2.50	do.....	17.00	1.50
1 centavo		1.50	do.....	15.00	1.40
Total	2,400,000				

¹ 1978 coinage was dated 1977 and was made by mints in the United Kingdom.

* Smooth edges: 10, 5, and 1 centavos coins. Reeded edges: 50 and 25 centavos coins. Lettered edges: 250 and 25 colones.

EQUATORIAL GUINEA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 eukele		5.20	75% copper, 25% nickel	24.00	n.a.
5 eukele		3.40	do.....	21.00	n.a.
1 eukele		2.40	70% copper, 30% zinc	19.00	n.a.
Total					

* Milled edges.

n.a. Not available.

ETHIOPIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents		5.98	75% copper, 25% nickel	25.00	n.a.
25 cents	10,063,625	3.68	do.....	21.50	n.a.
Do ²		6.80	95% copper, 5% zinc	26.00	1.82
Do ²		6.80	95% copper, 5% zinc and tin ..	26.00	1.82
10 cents	80,017,328	4.50	79% copper, 20% zinc, 1% nickel	23.00	2.13
5 cents	81,221,427	2.99	do.....	20.00	1.88
Do		4.02	95% copper, 5% zinc and tin ..	20.00	1.88
1 cent		2.85	95% copper, 5% zinc	17.00	1.88
Do		2.85	95% copper, 5% zinc and tin ..	17.00	1.88
Do	1,500,000	.57	98% aluminum, 2% magnesium	17.00	n.a.
Total	172,802,380				

¹ All of the 1-cent coins, 448 thousand of the 10-cent pieces, and 22.4 million of the 5-cent coins were manufactured by mints in the United Kingdom and dated 1968. The other coins were produced by the Ethiopian Mint and dated 1969.

² Scallop coin.

* Milled edges: Cupronickel 50 and 25 cents. Smooth edges: 10, 5 and 1 cents.

n.a. Not available.

NOTE.—The basic monetary unit of Ethiopia was changed from the dollar to the birr by Monetary and Banking Proclamation No. 99/1976 dd., Sept. 21, 1976. The fractional unit remained the cent.

FALKLAND ISLANDS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 pounds		39.94	916.6 gold	36.02	n.a.
2 pounds		15.98	do.....	28.40	n.a.
1 pound		7.99	do.....	22.05	n.a.
½ pound		3.99	do.....	19.30	n.a.
50 pence		28.28	75% copper, 25% nickel	38.61	n.a.
Do ²	19,500	28.28	925 silver, 75 copper	38.61	n.a.
10 pence	7,000	11.31	75% copper, 25% nickel	28.50	n.a.
5 pence	7,000	5.66	do.....	23.60	n.a.
2 pence	7,000	7.13	97% copper, 2.5% zinc, 0.5% tin	25.91	n.a.
1 pence	7,000	3.56	do.....	20.32	n.a.
½ pence	7,000	1.78	do.....	17.15	n.a.
Total	54,500				

¹ The 1978 coinage, produced by mints in the United Kingdom, was dated 1974, except the 50 pence which bore the years 1952–1977. The coins were proof.

² Commemorate the Silver Jubilee of Queen Elizabeth II.

* Milled edges: 5, 2, 1, ½ pound coins, 50, 10 and 5 pence pieces. Smooth edges: 2 pence, 1, and ½ penny pieces.

n.a. Not available.

NOTE.—Falkland Island coins are legal tender and circulate with coins of the United Kingdom.

FAROE ISLANDS—Use coins of Denmark

FIJI

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Regular issue:					
1 dollar		28.78	75% copper, 25% nickel	38.60	3.12
50 cents		15.55	do.....	(²)	2.64
20 cents		11.31	do.....	28.52	2.41
10 cents		5.65	do.....	23.60	1.90
5 cents		2.83	do.....	19.41	1.45
2 cents		3.89	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 cent		1.94	do.....	17.53	1.22
Subtotal					
Numismatic coins:					
250 dollars	450	33.44	900 gold, 100 silver	34.00	n.a.
100 dollars		31.36	500 gold, 500 alloy	38.00	2.74
25 dollars		48.60	925 silver	45.00	3.48
20 dollars	3,500	35.00	do.....	42.00	n.a.
10 dollars	3,600	30.50	do.....	40.00	3.05
1 dollar		28.78	do.....	38.60	3.12
50 cents		18.00	do.....	(²)	2.64
20 cents		13.09	do.....	28.52	2.41
10 cents		6.55	do.....	23.60	1.90
5 cents		3.28	do.....	19.41	1.45
2 cents		4.53	do.....	21.08	1.60
1 cent		2.26	do.....	17.53	1.22
Subtotal	7,550				
Total	7,550				

¹ 1978 coinage was made by mints in the United Kingdom and was dated 1978. The following were proof coins: 50 of the \$250 coins; 1,000 of the \$20, and 1,060 of the \$10 pieces.

² 12 sided coin measuring 31.51 across flats.

* Smooth edges: 50, 2, and 1 cent coins. Reeded edges: All other denominations.

n.a. Not available.



Coinage of Finland

FINLAND

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 markkaa.....		26.30	500 silver, 500 copper.....	37.00	3.00
10 markkaa.....		24.20	500 silver, 450 copper, 50 zinc	35.00	3.10
Do.....		21.50	500 silver, 500 copper.....	35.00	3.00
5 markkaa.....	300,000	8.00	93% copper, 5% aluminum, 2% nickel.	26.30	2.05
1 markka.....	10,022,000	6.10	75% copper, 25% nickel.....	24.00	1.77
50 pennia.....	8,048,000	5.50	93% copper, 5% aluminum, 2% nickel.	25.00	1.90
20 pennia.....	10,014,000	4.50	do.....	22.50	1.90
10 pennia.....	10,062,000	3.00	do.....	20.00	1.50
5 pennia.....	26,112,000	.80	97.5% aluminum, 2.5% magnesium.	18.00	1.40
Do.....		2.60	97% copper, 2.5% zinc, 0.5% tin.	18.00	1.40
1 penni.....		1.60	do.....	15.80	1.10
Do.....	90,132,000	.45	97.5% aluminum, 2.5% magnesium.	15.80	1.10
Total.....	154,690,000				

¹ The 1978 coinage, made by the Mint of Finland, bears the date 1978.

* Lettered edges: 5 and 1 markka. Reeded edges: 50, 20, and 10 pennia. Smooth edges: 25, 10 markkaa, 5, and 1 pennia.

FRANCE

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 francs.....	12,006,200	30.00	900 silver, 100 copper.....	41.0	n.a.
10 francs.....	97,590,000	10.00	92% copper, 6% nickel, 2% aluminum.	26.0	2.70
5 francs.....	28,010,000	10.00	Pure nickel bonded to core of 75% copper, 25% nickel.	29.0	2.10
1 franc.....	134,900,000	6.00	Pure nickel.....	24.0	1.90
½ franc.....	62,412,000	4.50	do.....	19.5	2.10
20 centimes.....	125,015,000	4.00	92% copper, 6% aluminum, 2% nickel.	23.5	1.50
10 centimes.....	154,360,000	3.00	do.....	20.0	1.50
5 centimes.....	189,804,000	2.00	do.....	17.0	1.20
1 centime.....	100,000	1.65	17% chrome steel.....	15.0	1.50
Total.....	804,197,200				

¹ The 1978 coinage was made by the French Government Mint, Paris, and bore the year 1978.

* Lettered edges: 50 and 10 francs. Reeded edges: 5, 1, and ½ francs. Smooth edges: 20, 10, 5, and 1 centime coins.
n.a. Not available.

FRENCH GUADELOUPE }
 FRENCH GUIANA } Use coins of metropolitan France
 FRENCH MARTINIQUE }



Coinage of Finland



Coinage of France



Coinage of France

FRENCH POLYNESIA

Denomination (CFP francs)	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs .....	.....	10.0	92% copper, 6% nickel, 2% aluminum.	30.0	n.a.
50 francs .....	.....	15.0	Pure nickel	33.0	2.2
20 francs	150,000	10.0	do.....	28.5	2.1
10 francs .....	.....	6.0	do.....	24.0	1.8
5 francs	500,000	3.8	95% aluminum, 5% magnesium	31.0	2.5
2 francs .....	.....	2.2	do.....	27.0	1.9
1 franc	1,000,000	1.3	do.....	23.0	1.7
50 centimes .....	.....	.7	do.....	18.0	n.a.
Total	1,650,000				

¹ 1978 coinage was produced by the French Government Mint, Paris, and dated 1977.

* Reeded edges: 100, 50, 20, and 10 francs. Smooth edges: 5, 2, and 1 franc pieces.

n.a. Not available.

NOTE.—French Polynesia is administratively divided into the following circumscriptions: The Windward Islands, Leeward Islands, Tuamotu group, Austral Islands, and the Marquesas Islands.



Coinage of the Gambia

THE GAMBIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 dalasi ²	54	33.44	900 gold, 100 silver	34.00	2.49
40 dalasi ²		35.00	925 silver, 75 copper	42.00	2.87
20 dalasi ²		28.28	do.....	38.61	2.75
10 dalasi		28.28	925 silver	38.60	n.a.
Do		28.28	500 silver	38.60	n.a.
1 dalasi	6,199	18.14	75% copper, 25% nickel	34.29	n.a.
50 bututs	6,199	11.31	do.....	28.50	n.a.
25 bututs	6,199	5.66	do.....	23.60	n.a.
10 bututs	756,199	6.20	79% copper, 20% zinc, 1% nickel.	25.91	1.63
5 bututs	1,506,199	3.56	97% copper, 2.5% zinc, 0.5% tin.	20.32	1.52
1 butut	1,542,199	1.78	do.....	17.15	1.14
Total	3,823,248				

¹ 1978 coinage, made by mints in the United Kingdom. The 1 butut coins for general issue bore 1974. Other coins were dated 1971 and included 6,199 proof sets (1 dalasi through 1 butut). All others were dated 1977.

² Believed to be part of the World Wildlife Conservation Series. The 500 dalasi is a proof coin, dated 1977.

* Reeded edges: 500, 40, 20, 10, and 1 dalasi, 50 and 25 butut coins. Smooth edges: 10, 5 and 1 butut coins.

n.a. Not available.

GERMANY DEMOCRATIC REPUBLIC OF

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 mark	n.a.	15.00	Nickel, copper, zinc	33.00	n.a.
10 mark	n.a.	12.00	do.....	31.00	n.a.
5 mark	n.a.	9.60	do.....	29.00	n.a.

* Smooth edge: 20, 10, and 5 marks.

n.a. Not available.

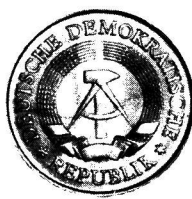
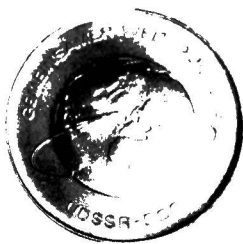
GERMANY, FEDERAL REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 Deutsche Mark		15.5	625 silver, 375 copper	32.50	2.25
5 Deutsche Mark ²	16,774,000	11.2	do.....	29.00	2.07
Do	17,744,838	10.0	75% copper, 25% nickel with a pure nickel core.	29.00	2.07
2 Deutsche Mark	35,086,193	7.0	do.....	26.75	1.79
1 Deutsche Mark	79,047,435	5.5	75% copper, 25% nickel	23.50	1.75
50 pfennig	28,356,179	3.5	do.....	20.00	1.58
10 pfennig	296,939,137	4.0	90% steel brass clad	21.50	1.70
5 pfennig	188,787,236	3.0	do.....	18.50	1.70
2 pfennig	294,910,019	2.9	90% steel copper clad	19.25	1.52
1 pfennig	570,685,766	2.0	do.....	16.50	1.38
Total	1,528,330,803				

¹ 1978 coinage was made by German Federal Government mints. Dates on coins vary, indicating the years in which the minting order was given.

² Commemorative coins.

* Lettered edges: 10, 5, and 2 DM. Plain edge with arabesque: 1 DM. Smooth edges: 50, 10, 5, 2, and 1 Pf.



Coinage of the Democratic Republic of Germany

GHANA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
New decimal series:					
20 pesewas.....		11.31	75% copper, 25% nickel.....	28.50	2.00
10 pesewas.....		5.66	do.....	23.60	1.70
5 pesewas.....		2.83	do.....	19.41	1.30
2½ pesewas (12 scallops).		3.24	do.....	19.51	1.40
1 pesewa.....		5.67	97% copper, 2.5% zinc, 0.5% tin.	25.48	1.50
½ pesewa.....		2.83	do.....	20.19	1.20
Total.....					

* Reeded edges: 20, 10, 5, and 2½ pesewas. Smooth edges: 1 and ½ pesewa.

GIBRALTAR

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 pounds.....		31.10	916 gold.....	34.00	n.a.
50 pounds.....		15.52	do.....	27.00	n.a.
25 pounds.....		7.77	do.....	22.00	n.a.
25 new pence ²	10,000	28.28	925 silver, 75 copper.....	38.61	n.a.
Do.....		28.28	75% copper, 25% nickel.....	38.61	2.79
Total.....	10,000				

¹ 1978 coinage, produced by mints in the United Kingdom, was dated 1952-1977.

² Proof coins which commemorate the Silver Jubilee of Queen Elizabeth II.

* Milled edges.

n.a. Not available.

NOTE.—U.K. coins also circulate in Gibraltar.

GREECE

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 drachmas.....	8,963,000	11.00	75% copper, 25% nickel.....	29.00	2.30
10 drachmas.....	15,175,000	7.50	do.....	26.00	1.95
5 drachmas.....	18,240,000	5.50	do.....	22.50	1.85
2 drachmas.....	17,508,000	6.00	79% copper, 20% zinc, 1% nickel.	24.00	1.95
1 drachma.....	21,335,000	4.00	do.....	21.00	1.70
50 lepta.....	12,502,000	2.50	do.....	18.00	1.45
20 lepta.....	.....	1.30	95% aluminum, 5% magnesium	22.00	1.65
10 lepta.....	.....	1.10	do.....	20.00	1.65
Total.....	93,723,000				

¹ Greek Government Mint produced 1978 coinage, which bore the year 1976.

* Smooth edges: 10 and 5 drachmas, 20 and 10 lepta coins. Reeded edges: All other denominations except the 20 drachmas, which had lettered edge.

Previous issues of Greek coins in circulation in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 drachmas.....	12.00	75% copper, 25% nickel.....	32.00	2.15
10 drachmas.....	10.00	do.....	30.00	2.00
5 drachmas.....	9.00	do.....	28.00	2.00
2 drachmas.....	6.00	do.....	24.00	1.85
1 drachma.....	4.00	do.....	21.00	1.50
50 lepta.....	2.30	do.....	18.00	1.20
5 lepta.....	.85	do.....	20.00	1.10

* Smooth edges: 20 and 10 drachma, 5 lepta. Reeded edges: All other denominations.

GREENLAND—Coins of Denmark circulate in Greenland

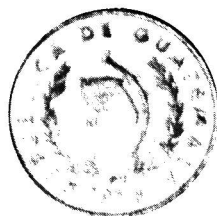
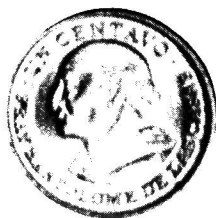
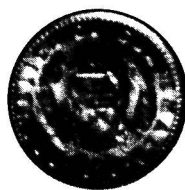
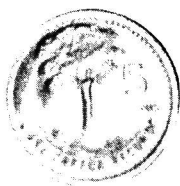
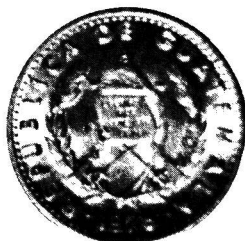
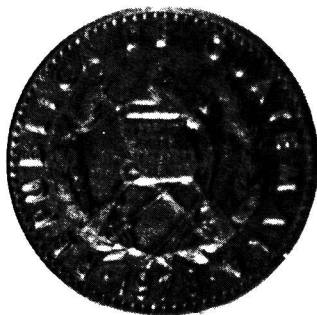
GRENADA—See Caribbean Territories, Eastern Group

GUATEMALA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 centavos.....	.....	11.00	720 silver, 280 copper.....	31.00	2.05
25 centavos.....	4,400,000	8.00	61% copper, 20% zinc, 19% nickel.	27.00	1.60
10 centavos.....	8,500,000	3.20	do.....	21.00	1.08
5 centavos.....	15,000,000	1.60	do.....	16.00	.92
2 centavos.....	.....	6.00	70% copper, 30% zinc.....	27.00	1.60
1 centavo.....	30,000,000	2.50	do.....	19.00	1.06
Do.....	.....	3.00	do.....	21.00	1.50
½ centavo.....	.....	1.50	do.....	16.00	1.02
Total.....	57,900,000				

¹ 1978 coinage, made at the Guatemalan Mint, bears the date 1978.

* Reeded edges: 50, 10, and 5 centavos. Lettered edge: 25 centavos. Smooth edges: 2, 1, and ½ centavos.



Coinage of Guatemala

GUERNSEY

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 pence.....		13.50	75% copper, 25% nickel.....	30.00	2.03
25 pence.....	25,000	28.28	925 silver.....	38.61	n.a.
Do.....	150,000	28.28	75% copper, 25% nickel.....	38.61	n.a.
10 pence.....	939,000	11.31	do.....	28.50	2.03
5 pence.....	200,000	5.66	do.....	23.60	1.73
2 pence.....	900,000	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.80
1 pence.....	800,000	3.56	do.....	20.32	1.52
½ pence.....		1.78	do.....	17.15	1.12
Total.....	3,014,000				

¹ 1978 coinage was made by mints in the United Kingdom. The 25 pence were dated 1978, the silver ones were proof and commemorate the Royal Visit. 280,000 of the 10 pence and 100,000 of the 2 pence were dated 1977; other coins bore 1979.

* Smooth edge: 50, 2, 1, and ½ pence coins. Milled edges: 25, 10, and 5 pence.

n.a. Not available.

NOTE.—United Kingdom coins also circulate in Guernsey.

GUINEA-BISSAU, REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 pesos.....	2,256,000	13.00	75% copper, 25% nickel.....	32.00	n.a.
5 pesos.....	5,420,000	8.00	do.....	27.50	n.a.
2½ pesos.....	3,500,000	6.00	79% copper, 20% zinc, 1% nickel.	25.00	n.a.
1 peso.....	6,500,000	4.00	do.....	22.00	n.a.
50 centavos.....	5,500,000	2.25	Aluminum.....	25.00	n.a.
Total.....	23,176,000				

¹ 1978 coinage, produced by mints in the United Kingdom, was dated 1978.

* Smooth edges: 1 peso and aluminum 50 centavos. Reeded edges: 20, 5, and 2½ pesos.

n.a. Not available.

NOTE.—The Republic of Guinea-Bissau became independent on Sept. 10, 1974.

GUINEA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs		17.00	75% copper, 25% nickel	34.00	n.a.
50 francs		12.50	do.....	30.61	2.13
25 francs		9.00	do.....	27.00	2.03
10 francs		6.00	do.....	23.50	1.75
5 francs		3.50	do.....	20.00	1.52
1 franc		1.50	do.....	17.00	.89
Total.....					

* Incused lettered edge: 50 francs. Milled edge: 100 francs. Other edges unknown.

n.a. Not available.

GUYANA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars		5.74	500 gold	25.25	n.a.
50 dollars		48.30	925 silver, 75 copper	48.00	n.a.
10 dollars	100	43.40	do.....	45.01	n.a.
Do	100	37.53	75% copper, 25% nickel	45.01	n.a.
5 dollars	100	37.76	500 silver, 500 alloy	42.00	n.a.
Do	100	35.31	75% copper, 25% nickel	42.00	n.a.
1 dollar	500	19.08	do.....	35.56	2.16
50 cents	2,000	7.50	do.....	26.00	1.85
25 cents	2,005,872	4.25	do.....	22.00	1.52
10 cents	2,010,152	2.75	do.....	18.06	1.47
5 cents	2,000,000	2.50	79% copper, 20% zinc, 1% nickel.	19.51	1.22
Do	15,000	2.50	79% copper, 20% zinc, 1% tin	19.51	1.22
1 cent	15,000	1.50	do.....	16.00	1.17
Do	10,450,000	1.50	79% copper, 20% zinc, 1% nickel.	16.00	1.17
Total.....	16,498,924				

¹ 1978 coinage: 1, 5, and 10 cent pieces, manufactured by mints in the United Kingdom, dated 1978; remainder made by the Franklin Mint, dated 1978.

* Reeded edges: \$100, \$50, \$5, \$1, 50, 25, and 10 cent coins. Smooth edges, 5 and 1-cent coins.

n.a. Not available.

HAITI

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Numismatic coins:					
1,000 gourdes		13.10	900 gold	32.00	1.35
500 gourdes		8.50	 do.	23.00	n.a.
200 gourdes		2.91	 do.	18.00	.86
100 gourdes		1.45	 do.	15.00	.71
50 gourdes		16.75	925 silver	38.00	1.93
25 gourdes		8.38	 do.	30.00	1.52
Subtotal					
Regular issue:					
50 centimes		9.88	70% copper, 18% zinc, 12% nickel.	29.00	1.90
20 centimes		7.50	 do.	26.20	1.90
Do		7.55	75% copper, 25% nickel	26.00	1.80
10 centimes		4.00	 do.	22.00	1.30
Do		4.00	70% copper, 18% zinc, 12% nickel.	22.70	1.40
5 centimes		2.65	75% copper, 25% nickel	20.00	1.10
Do		2.75	70% copper, 18% zinc, 12% nickel.	19.90	1.30
Subtotal					
Total					

* Smooth edges: All denominations, for regular issue. Reeded edges: All numismatic coins.

n.a. Not available.

NOTE.—U.S. coins also circulate in Haiti.

HONDURAS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 lempira.....	.....	12.50	900 silver, 100 copper.....	31.00	2.5
50 centavos.....	12,000,000	5.67	75% copper, 25% nickel.....	24.00	2.0
20 centavos.....	30,000,000	2.27	do.....	18.00	1.5
10 centavos.....	.....	7.00	do.....	26.00	2.0
5 centavos.....	.....	3.20	70% copper, 30% zinc.....	21.00	1.5
2 centavos.....	.....	3.00	95% copper, 5% tin.....	20.00	1.5
1 centavo.....	.....	1.50	do.....	15.00	1.0
Total.....	42,000,000				

¹ 1978 coinage, produced by unspecified mint, was dated 1978.

*Reeded edges: 1 lempira, 50 and 20 centavos. Smooth edges: 10, 5, 2, and 1 centavos.

HONG KONG

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 dollars ²	12,600	15.97	916 gold.....	28.40	2.00
5 dollars ³	10,000,000	10.76	75% copper, 25% nickel.....	31.00	2.08
2 dollars ⁴	504,000	8.41	do.....	28.00	2.03
1 dollar.....	120,000,000	11.66	do.....	30.00	1.85
50 cents.....	70,600,000	4.92	79% copper, 20% zinc, 1% nickel.	22.50	1.72
20 cents ⁴	86,000,000	2.59	do.....	19.00	1.52
10 cents.....	57,500,000	4.54	do.....	20.57	1.98
5 cents.....	13,500,000	2.59	do.....	16.50	1.80
Total.....	358,116,600				

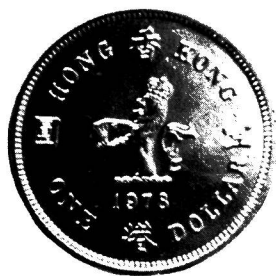
¹ The 1978 coinage, made by mints in the United Kingdom, was dated 1978, except for 600,000 50-cent coins and 3.5 million 5-cent coins, which bore 1977.

² Consists of: 74 proof coins dated 1974; 15 dated 1977 (year of the Snake); 2,302 dated 1978 (year of the Horse), of which 2,000 are proof; and 10,209 coins dated 1979 (year of the Goat).

³ 10-sided coin, diameter across corners.

⁴ 12 scallops.

*Reeded edges: 1,000 and 1 dollar coins, 50, 10, and 5-cent pieces. Smooth edges: 5 and 2 dollar and 20 cent coins.



Coinage of Hong Kong

HUNGARY

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 forint ²	30,000	28.00	640 silver.....	37.00	3.00
100 forint.....		22.00	do.....	37.00	2.60
50 forint.....		16.00	do.....	34.00	2.20
10 forint.....	50,000	8.83	Nickel.....	28.00	1.90
5 forint.....	6,000,000	5.73	do.....	24.30	1.63
2 forint.....	12,000,000	4.44	"Brass 72".....	22.00	1.64
1 forint.....	50,000	1.40	97% aluminum, 3% magnesium.	22.80	1.80
50 fillér.....	10,110,000	1.20	do.....	21.50	1.60
20 fillér.....	30,140,000	.90	do.....	20.40	1.40
10 fillér.....	36,005,000	.60	do.....	18.50	1.20
5 fillér.....	50,000	.60	99.5% aluminum.....	17.00	1.36
2 fillér.....	50,000	.65	do.....	18.00	1.11
Total.....	94,485,000				

¹ 1978 coinage, produced by Állami Pénzverő, Budapest, bore the year 1978.

² Commemorative of the striking of the first Hungarian gold florin by King Charles Robert in the 1320's. Believed to consist of 25,000 uncirculated and 5,000 proof coins.

*Smooth edges: 10 and 2 forint and 50, 10, 5, and 2 fillér pieces. Reeded edges: 1 and 5 forint and, 20 fillér coins. Pattern edges: 200, 100, and 50 forint coins.

ICELAND

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10,000 kronur.....		15.50	900 gold.....	27.75	n.a.
1,000 kronur.....		30.00	925 silver.....	39.00	n.a.
500 kronur.....		20.00	do.....	35.00	n.a.
50 kronur.....	1,540,000	12.50	75% copper, 25% nickel.....	30.00	2.00
10 kronur.....	8,500,000	6.50	do.....	25.00	1.80
5 kronur.....	3,672,000	4.00	do.....	20.75	1.70
2 kronur.....		9.50	92% copper, 6% aluminum, 2% nickel.	28.00	2.08
1 krona.....	10,000,000	.61	Aluminum.....	17.00	n.a.
Total.....	23,712,000				

¹ 1978 coins, struck at mints in the United Kingdom, were dated 1978.

*Milled edges: 10,000, 1,000, 500, and 2 kronur, 1 krona. Smooth edges: 50, 10, and 5 kronur.

n.a. Not available.

INDIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 rupees		35.00	500 silver, 400 copper, 50 nickel, 50 zinc.	44.00	n.a.
20 rupees		30.00	do.....	44.00	n.a.
10 rupees		22.50	do.....	39.00	2.50
Do		25.00	75% copper, 25% nickel	39.00	n.a.
1 rupee	127,347,500	8.00	do.....	28.00	2.00
50 paise	25,648,000	5.00	do.....	24.00	1.55
25 paise	131,632,000	2.50	do.....	19.00	1.20
10 paise (12 scallops) ² ..	95,722,800	2.30	96% aluminum with 4% magnesium.	26.00	2.25
5 paise (Square) ³	131,136,800	1.50	do.....	(*)	2.35
2 paise (8 scallops)	129,930,000	1.00	do.....	20.00	1.75
1 paise (Square)		.75	do.....	(*)	1.85
Total	641,417,100				

¹ 1978 coinage was produced by the India Government Mint. The coins for regular issue bear the year 1978.

² Includes 47,507,800 "Development oriented design" coins.

³ Includes 49,906,800 "Development oriented design" coins.

* Across corners 22 mm. Across flats 19 mm.

³ Across flats 14.70 mm. Between opposite corners 17 mm.

*Serrated edges: 20 and 10 rupees, 50, and 25 paise coins. Smooth edges: Other denominations.

n.a. Not available.

Previous issues of Indian coins in circulation in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 paise	5.00	Pure nickel	24.00	1.55
25 paise	2.50	do.....	19.00	1.30
20 paise	4.50	92% copper, 6% aluminum, 2% nickel.	22.00	1.85
10 paise (8 scallops)	4.25	do.....	23.00	1.75
Do	5.00	75% copper, 25% nickel	23.00	1.85
3 paise (Hexagonal)	1.25	Aluminum with 3.5% to 4% magnesium	(*)	1.95

¹ Across corners 21 mm. Across flats 19.55 mm.

*Serrated edges: 50, 25, and 20 paise coins. Smooth edge: 10 and 3 paise.

INDONESIA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins: ¹					
100,000 rupiah		33.44	900 gold	34.00	2.49
25,000 rupiah		61.71	do.....	55.00	2.00
20,000 rupiah		49.37	do.....	50.00	2.00
10,000 rupiah		24.68	do.....	40.00	1.60
5,000 rupiah		12.34	do.....	30.00	1.50
Do	100	35.00	925 silver	42.00	2.87
Do	500	31.65	500 silver, 500 copper	42.00	2.87
2,000 rupiah		4.90	900 gold	18.00	1.60
Do	100	28.28	925 silver	38.61	2.75
Do	500	25.31	500 silver, 500 copper	38.61	2.75
1,000 rupiah		40.00	1000 silver	55.00	2.10
750 rupiah		30.00	do.....	45.00	2.30
500 rupiah		20.00	do.....	40.00	2.00
250 rupiah		10.00	do.....	30.00	1.80
200 rupiah		8.00	do.....	26.00	1.90
Subtotal	1,200				
Regular issue: ²					
100 rupiah	1,122,000	9.72	75% copper, 25% nickel	28.50	1.70
Do	67,698,000	7.00	do.....	28.50	1.50
50 rupiah	70,380,000	6.06	do.....	24.00	1.50
25 rupiah	92,460,000	3.52	do.....	20.00	1.25
10 rupiah		1.80	do.....	16.00	1.00
Do ³	56,280,000	4.00	90% steel brass clad	22.00	1.68
5 rupiah ³	81,300,000	3.03	Aluminum	28.50	1.78
2 rupiah		2.29	do.....	26.00	2.00
1 rupiah		1.42	do.....	22.00	1.75
Subtotal	369,240,000				
Total	369,241,200				

¹ Conservation coins, part of an international series, drawing attention to endangered species of wildlife, were produced by mints in the United Kingdom and dated 1974; the 925 fine coins were proof.

² Coins for regular issue were minted by Perum Peruri. The 9.72 gram 100 rupiah pieces were dated 1973, the 50 and 25 rupiah coins bore 1971, the 10 and 5 rupiah coins were dated 1974, and the 7 gram 100 rupiahs were dated 1978.

³ FAO coins bearing a symbol of the Family planning program dated 1974.

*Smooth edges: Steel brass clad 10 rupiahs, 5 rupiahs, and the commemorative pieces, except the Conservation coins. Milled edges: 100, 50, 25, and cupronickel 10 rupiahs, and all Conservation coins. Lettered edge: 9.72 gr. 100 rupiahs.

IRAN (Year ended March 20, 1979)

Denomination	Coinage	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative:					
10 pahlavi		81.36	900 gold, 100 silver and copper	50.00	n.a.
5 pahlavi		40.68	do.	40.00	n.a.
2½ pahlavi		20.34	do.	30.00	n.a.
1 pahlavi		8.14	do.	22.00	n.a.
½ pahlavi		4.07	do.	19.00	n.a.
¼ pahlavi		2.03	do.	16.00	n.a.
Subtotal	n.a.				
Regular issues:					
20 rials		9.00	75% copper, 25% nickel	31.00	n.a.
10 rials		7.00	do.	28.00	n.a.
5 rials		4.00	do.	25.00	n.a.
2 rials		3.00	do.	22.00	n.a.
1 rial		1.75	do.	18.00	n.a.
50 dinars		2.50	91.5% copper, 8.5% aluminum	20.00	n.a.
Do		2.50	Clad steel	20.00	n.a.
Subtotal	n.a.				
Total	n.a.				

*Serrated edges: All denominations.

n.a. Not available.

NOTE.—In 1976 Iran adopted the Monarchic calendar based on the origin of the Persian monarchy under Cyrus the Great, replacing the Solar Hegira calendar. The first coins of Iran dated under this revision were for the year 2535, which began on Mar. 21, 1976.

IRAQ

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 dinars		13.57	916.6 gold	28.40	n.a.
1 dinar		31.00	500 silver, 400 copper, 50 nickel, 50 zinc.	40.00	3.10
250 fils		15.00	Pure nickel	33.00	n.a.
100 fils		10.00	500 silver, 400 copper, 50 nickel, 50 zinc.	29.00	n.a.
Do		11.00	75% copper, 25% nickel	29.00	n.a.
50 fils		5.50	do.	23.00	1.73
25 fils		2.27	do.	20.00	1.24
10 fils	1,656,000	5.75	Stainless iron, 13% chromium	26.00	n.a.
5 fils		4.00	do.	22.00	n.a.
1 fils ²		2.50	95.5% copper, 3% tin, 1.5% zinc.	19.00	n.a.
Total	1,656,000				

¹ 1978 coinage was produced by mints in the United Kingdom. The coins bore the dates 1395–1975.² Coin is 10-sided. Diameter, inside measurement.

*Incuse lettered: 100 fils. Milled edges: 5 and 1 dinars, 50, 25, and 10 fils. Smooth edges: 1, 10, and 5 fils coins. n.a. Not available.

IRELAND, REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Decimal coins:					
50 pence (7 sided)....	3,500,000	13.50	75% copper, 25% nickel.....	30.00	2.50
10 pence	7,626,461	11.31	do.....	28.50	2.23
5 pence	17,228,000	5.66	do.....	23.60	1.73
2 pence	13,879,000	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.78
1 penny	20,950,000	3.56	do.....	20.32	1.50
½ penny	8,040,703	1.78	do.....	17.15	1.09
Total	71,224,164				

¹ 1978 coinage was produced by New Mint, Sandyford, Co., Ireland, and the British Royal Mint. All of the 50 pence coins were made by the Royal Mint, 3 million dated 1978, balance 1977. 12 million of the 2 and 1 pence coins were struck by the Royal Mint, dated 1978, the balance was produced at Sandyford. Other denominations were manufactured at the Dublin Mint with approximately 1.1 million of the 10 p., 14.5 million of the 5 p., and 5.8 million of the ½ p. dated 1976. The remainder of the coins was dated 1978.

*Milled edges: 5 and 10 pence coins. Smooth edges: 50, 2, 1, and ½ pence coins.

ISLE OF MAN

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Crown		28.28	925 silver, 75 copper	38.61	n.a.
Do		28.28	75% copper, 25% nickel.....	38.61	n.a.
50 pence ¹		13.50	do.....	30.00	n.a.
10 pence.....		11.37	do.....	28.50	n.a.
5 pence.....		5.66	do.....	23.60	n.a.
2 pence.....		7.13	97% copper, 2.5% zinc, 0.5% nickel.	25.91	n.a.
1 penny		3.56	do.....	20.32	n.a.
½ penny		1.78	do.....	17.15	n.a.
Total.....					

¹ Seven-sided coin.

*Milled edges: 1 crown, 10, and 5 pence coins. Smooth edges: 50, 2, 1, and half pence pieces.

n.a. Not available.

NOTE.—British coins are in general circulation on the Isle of Man.

ISRAEL

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins: ¹					
1,000 pounds.....	12,100	12.00	900 gold, 100 copper.....	25.00	n.a.
500 pounds.....		28.00	do.....	35.00	2.15
Do.....		20.00	do.....	30.00	n.a.
200 pounds.....		27.00	do.....	33.00	n.a.
100 pounds.....		13.50	do.....	27.00	n.a.
50 pounds.....		7.00	do.....	22.00	n.a.
Do ²	62,500	20.00	500 silver, 500 copper.....	34.00	3.25
25 pounds ³	70,000	15.00	75% copper, 25% nickel.....	34.00	3.25
Do.....		26.00	900 silver, 100 copper.....	37.00	3.25
Do.....		20.00	500 silver, 500 copper.....	34.00	3.25
20 pounds.....		7.99	900 gold, 100 copper.....	22.00	1.60
10 pounds.....		26.00	935 silver, 65 copper.....	36.70	3.00
Do.....		26.00	900 silver, 100 copper.....	36.70	3.25
Do.....		20.00	500 silver, 500 copper.....	34.00	3.25
Do.....		22.00	Gold 900/1,000.....	30.00	3.25
Do.....		15.00	75% copper, 25% nickel.....	34.00	3.25
5 pounds.....		20.00	750 silver, 250 copper.....	34.00	n.a.
1 pound.....		14.10	75% copper, 25% nickel.....	32.20	2.40
½ pound.....		12.00	do.....	29.50	2.40
Subtotal.....	144,600				
Trade coins: ⁴					
5 pounds.....	6,072,000	11.20	75% copper, 25% nickel.....	30.00	n.a.
1 pound.....	54,477,200	9.00	do.....	27.50	2.20
½ pound.....	11,027,200	6.80	do.....	24.50	2.00
25 agorot.....	57,200	6.50	do.....	25.50	1.90
Do.....	9,892,000	6.50	92% copper, 6% aluminum, 2% nickel.....	25.50	1.90
10 agorot.....	77,898,863	1.60	97% aluminum, 3% magnesium	21.50	1.60
Do.....	57,200	4.20	75% copper, 25% nickel.....	21.50	1.60
5 agorot.....	57,200	2.32	do.....	17.50	1.27
Do.....	36,690,000	.75	97% aluminum, 3% magnesium	17.50	1.50
1 agora.....	8,235,200	1.03	do.....	20.00	1.35
Subtotal.....	204,464,063				
Grand total.....	204,608,663				

¹ Commemorating 30th anniversary of Israeli independence, manufactured by the Swiss Federal Mint, Bern.

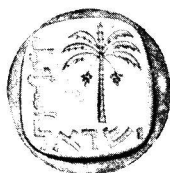
² Consisted of commemorative coins struck in honor of the 30th anniversary of Israeli independence (22,000 proof coins marked "Mem" produced by the Swiss Federal Mint and 40,500 uncirculated coins marked with the Star of David manufactured by Israel Mint, Jerusalem).

³ French Hanukka coins consisted of 30,000 proof coins marked "Mem" manufactured by the Royal Canadian Mints and 40,000 uncirculated coins marked with the Star of David produced by the Israel Mint.

⁴ Trade coins were produced by the Israel Mint with the exception of 51,688,000 aluminum 10 agorot and 18,800,000 aluminum 5 agorot coins, which were made by the Royal Canadian Mint. The Israel Mint also struck 57,200 mintmarked coins of each denomination, including special cupronickel issues of the 25, 10, and 5 agorot for inclusion in 1978 trade coin sets.

*Smooth edges: Nonproof commemorative 1,000, 50, 25, and 10 pounds, proof 500 fine 50 pounds, 25, 10, and 5 agorot coins. Milled edges: 500, 200, 100, 50, 10, and 5 pound proofs, 25 pound proof, and ½ pound trade coin. Alternating milled and plain edges: 1 pound trade coins. The 1 agora has 12 scallops.

n.a. Not available.



Coinage of Israel

ITALY

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge ²
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 lire		14.60	"Lega argento" (835 silver, 165 copper).	31.4	2.10
500 lire.....		11.00	do.....	29.0	2.10
200 lire.....	461,034,000	5.00	"Bronzital" (92% copper, 6% aluminum, 2% nickel).	24.0	1.65
100 lire.....	343,626,000	8.00	"Acmonital" (Steel containing 18% chrome).	27.8	2.00
50 lire.....	416,808,000	6.25	do.....	24.8	2.00
20 lire.....	13,521,000	3.60	"Bronzital" (92% copper, 6% aluminum, 2% nickel).	21.3	1.50
10 lire.....	46,320,000	1.60	"Italma" (96.2% aluminum, 3.5% magnesium, 0.3% manganese).	23.3	1.65
5 lire.....	3,600,000	1.00	do.....	20.2	1.40
2 lire.....		.800	do.....	18.3	1.45
1 lira.....		.625	do.....	17.2	1.20
Total	1,284,909,000				

¹ 1978 coinage, made by the Italian Government Mint, was dated 1978.

² Lettered edges: 1,000 and 500 lire. Serrated edges: 200, 100, 50, and 2 lire. Smooth edges: 20, 10, 5, and 1 lira coins.

NOTE.—Coins of Italy circulate in San Marino, concurrently with new San Marino coinage.

IVORY COAST, REPUBLIC OF—See West African Monetary Union

JAMAICA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
Decimal:	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 dollars		15.75	500 gold	27.10	n.a.
1 dollar		28.28	75% copper, 25% nickel	38.61	n.a.
50 cents		12.48	 do	30.00	n.a.
25 cents		14.14	 do	32.31	1.93
20 cents		11.31	 do	28.50	2.03
10 cents		5.65	 do	23.60	1.45
5 cents		2.82	 do	19.40	1.09
1 cent	5,120,000	1.22	Aluminum	21.08	n.a.
Total	5,120,000				

¹ Coins, made by mints in the United Kingdom, were dated 1978.

*Reeded edges: \$1, 25, 20, 10, and 5 cents. Smooth edges: 50 and 1 cent coins.

n.a. Not available.

JAPAN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 yen	292,000,000	4.80	75% copper, 25% nickel	22.60	1.70
50 yen	234,000,000	4.00	 do	² 21.00	1.75
10 yen	1,435,000,000	4.50	95% copper, 4%–3% zinc, 1%–2% tin.	23.50	1.50
5 yen	318,000,000	3.75	60%–70% copper, 40%–30% zinc.	³ 22.00	1.50
1 yen	864,000,000	1.00	Pure aluminum	20.00	1.50
Total	3,143,000,000				

¹ The 1978 coinage, made by the Japanese Government Mint, bears the date 53rd year of the Showa.² With central hole 4 mm. in diameter.³ With central hole 5 mm. in diameter.

*Milled edges: 100 and 50 yen. Smooth edges: 10, 5, and 1 yen coins.

Previous issues of Japanese coins outstanding in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 yen (Commemorative)	20.00	925 silver, 75 copper	35.00	2.50
100 yen	4.80	600 silver, 300 copper, 100 zinc ...	22.60	1.70
Do	9.00	75% copper, 25% nickel	28.00	2.00
Do	12.00	 do	30.00	2.38
50 yen	5.50	Pure nickel	25.00	1.60
Do	5.00	 do	¹ 25.00	1.60
10 yen	4.50	95% copper, 4%–3% zinc, 1%–2% tin.	23.50	1.50
5 yen	4.00	60%–70% copper, 40%–30% zinc .	² 22.00	1.64

¹ With central hole 6 mm. in diameter.² With central hole 5 mm. in diameter.

*Milled edges: 1,000 and 100 yen; 50 yen of 5.5 gram weight; 10 yen and 5 yen. Smooth edges: 50 yen of 5 gram weight.



Coinage of Japan

JERSEY

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 pence.....		13.50	75% copper, 25% nickel.....	30.00	2.29
25 pence.....		28.28	925 silver.....	38.61	n.a.
Do.....		28.28	75% copper, 25% nickel	38.61	n.a.
10 pence.....		11.31	do.....	28.50	2.31
5 pence.....		5.66	do.....	23.60	1.72
2 pence.....		7.12	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.55
1 penny.....		3.56	do.....	20.32	1.27
½ penny.....		1.75	do.....	17.15	.89
Total.....					

*Smooth edges: 50, 2, 1, and ½ pence pieces. Milled edges: 25, 10 and 5 pence coins.

NOTE.—United Kingdom coins also circulate in Jersey.

JORDAN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Regular issue:					
250 fils.....	200,000	17.00	75% copper, 25% nickel.....	34.00	2.40
100 fils.....	500,000	12.00	do.....	30.00	2.20
50 fils.....	3,024,000	7.50	do.....	26.00	1.90
25 fils.....		4.75	do.....	22.00	1.70
20 fils.....		3.75	do.....	20.00	1.60
10 fils.....	18,500,000	10.00	97% copper, 2.5% zinc, 0.5% tin.	28.00	2.20
5 fils.....	20,750,000	6.00	do.....	24.00	1.80
Subtotal.....	42,974,000				
Numismatic:					
50 dinars ²	54	33.44	900 gold, 100 silver.....	34.00	2.49
25 dinars.....		15.29	916 gold.....	29.01	1.70
3 dinars ²	1,657	35.00	925 silver, 75 copper.....	42.00	2.87
2½ dinars ²	1,594	28.28	do.....	38.61	2.75
250 fils.....		32.68	916.6 gold, 83.4 copper.....	34.00	n.a.
100 fils.....		23.65	do.....	30.00	n.a.
50 fils.....		14.71	do.....	26.00	n.a.
25 fils.....		9.21	do.....	22.00	n.a.
10 fils.....		19.51	do.....	28.00	n.a.
5 fils.....		11.73	do.....	24.00	n.a.
1 fil.....		5.83	do.....	18.00	n.a.
Subtotal.....	3,305				
Total.....	42,977,305				

¹ 1978 coinage was produced by mints in the United Kingdom. Coins for general circulation were dated 1978. All other coins bore 1977.

² Part of the World Wildlife Conservation series. Includes proof 50 dinars, 307 proof 3 dinars, and 306 proof 2½ dinars.

n.a. Not available.

*Milled edges: 50, 25, 3, and 2½ dinars, 250, 100, 50, 25, and 20 fils. Smooth edges: 10, 5, and 1 fils.

KENYA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 shillings .....	.....	13.90	92% copper, 6% aluminum, 2% nickel.	33.00	n.a.
2 shillings .....	.....	14.14	75% copper, 25% nickel	32.30	2.26
1 shilling	32,856,000	7.78	do.....	27.74	1.45
50 cents	3,320,000	3.89	do.....	20.96	1.32
25 cents .....	.....	2.59	do.....	18.06	1.35
10 cents	33,600,000	9.45	79% copper, 20% zinc, 1% nickel.	30.86	1.47
5 cents	34,128,000	5.67	do.....	25.48	1.30
Total.....	103,904,000				

¹ 1978 coinage, made by mints in the United Kingdom, was dated as follows: The 1 shillings and about 22 million 5-cent pieces, 1975; the 50-cent pieces and approximately 16 million of the 10-cent coins, 1977; and the balance 1978.

*Milled edges: 2 shillings, 1 shilling, 50 and 25 cents. Smooth edges: 5 shillings and 10 and 5 cents.

n.a. Not available.

KOREA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5,000 won.....	100,000	23.00	900 silver, 100 copper.....	35.00	2.65
500 won.....	1,000,000	17.00	75% copper, 25% nickel.....	32.00	2.70
100 won.....	50,000,000	5.42	do.....	24.00	1.70
Do.....		12.00	do.....	30.00	n.a.
50 won.....	15,000,000	4.16	70% copper, 18% zinc, 12% nickel.	21.60	1.54
10 won.....	80,000,000	4.06	65% copper, 35% zinc.....	22.86	1.50
5 won.....	1,000,000	2.95	do.....	20.40	1.40
1 won.....	30,000,000	.73	Pure aluminum.....	17.20	1.52
Total.....	177,100,000				

¹ 1978 coinage, made by Kyeongsan Mint, was dated 1978.

*Smooth edges: 10, 5, and 1 won coins. Reeded edges: 5,000, 500, 100 and 50 won.

n.a. Not available.

KUWAIT

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2 dinars.....		28.28	925 silver, 75 nickel.....	38.60	n.a.
Do.....		28.28	500 silver, 400 copper, 50 nickel, 50 zinc.	38.60	n.a.
100 fils.....		6.50	75% copper, 25% nickel.....	26.0	1.68
50 fils.....		4.50	do.....	23.0	1.47
20 fils.....	200,000	3.00	do.....	20.0	1.32
10 fils.....		3.75	79% copper, 20% zinc, 1% nickel	21.0	1.52
5 fils.....	2,000,000	2.50	do.....	19.5	1.22
1 fil.....		2.00	do.....	17.0	n.a.
Total.....	2,200,000				

¹ The 1978 coinage was made by mints in the United Kingdom. The dates on the coins were 1397-1977.

*Milled edges: 2 dinars, 100, 50, and 20 fils. Smooth edges: 10, 5, and 1 fils.

n.a. Not available.

NOTE.—The Kuwaiti Dinar is divided into 1,000 fils.

LAOS—No metallic coins have been in circulation in Laos since 1958

LEBANON

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 pounds	506,800	11.00	Pure nickel	32.00	n.a.
1 pound	8,000,000	9.50	 do.	28.00	n.a.
50 piastres	15,000,000	6.00	 do.	24.00	1.75
25 piastres		4.00	92% copper, 6% aluminum, 2% nickel.	23.50	n.a.
10 piastres		3.20	 do.	21.00	n.a.
5 piastres		2.20	 do.	18.00	n.a.
Total	23,506,800				

¹ 1978 coinage was produced by mints in the United Kingdom and the Sherritt Mint, Canada. The £ 1 pieces were dated 1977 and made in the United Kingdom. The others bore 1978. All other coins were manufactured by Sherritt, except for 6,800 of the £ 5 and 7.6 million of the 50 piastres, made in the United Kingdom.

*Milled edges: All denominations.

n.a. Not available.

LESOTHO—Coins of the Republic of South Africa circulate in Lesotho

LIBERIA

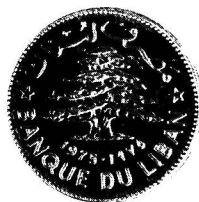
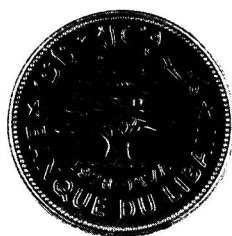
Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars		10.93	900 gold	26.16	n.a.
25 dollars		23.31	910 silver, 90 copper	30.20	2.30
5 dollars	1,640	35.64	900 silver, 100 copper	42.00	3.12
1 dollar	920	17.94	75% copper, 25% nickel	34.00	2.74
50 cents	920	8.97	 do.	29.00	1.91
25 cents	920	4.49	 do.	23.00	1.50
10 cents	920	1.79	 do.	16.99	1.17
5 cents	920	4.15	 do.	19.99	1.73
1 cent	920	2.59	95% copper, 5% zinc	17.91	1.40
Total	7,160				

¹ 1978 coinage, all proof, was manufactured by mints in the United Kingdom and was dated 1977.

*Reeded edges: 5 and 1 dollars, 50, 25, and 10 cent coins. Smooth edges: 5 and 1 cent coins.

NOTE.—Minor amounts of U.S. coins circulate in Liberia.

n.a. Not available.



Coinage of Lebanon

LIBYA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dirhams	5,000,000	8.00	75% copper, 25% nickel	27.00	n.a.
50 dirhams (scalloped)	8,000,000	6.30	 do.	25.00	n.a.
20 dirhams	4,000,000	5.50	Cupronickel clad steel	24.00	n.a.
10 dirhams	2,000,000	3.00	 do.	20.00	n.a.
5 dirhams		2.50	Brass clad steel	18.50	n.a.
1 dirham		1.75	 do.	16.00	n.a.
Total	19,000,000				

¹ Coins, produced by mints in the United Kingdom, were dated 1975.

* Reeded edges: 100, 10, and 1 dirhams. Smooth edges: 50, 20, and 5 dirhams.

n.a. Not available.

Previous issues of Libyan coins in circulation in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 milliemmes	11.00	75% copper, 25% nickel	30.00	2.0
50 milliemmes	7.00	 do.	(¹)	1.8
20 milliemmes	6.00	 do.	24.00	1.8
10 milliemmes	3.25	 do.	20.00	1.5
5 milliemmes	2.50	79% copper, 20% zinc, 1% nickel.	(²)	1.2
1 millieme	1.75	 do.	16.00	1.0

¹ Twelve scallops, measuring 26.0 mm. across scallops, and 24.3 mm. inside scallops.

² Twelve scallops, measuring 20.0 mm. across scallops, and 18.7 mm. inside scallops.

* Milled edges: 100, and 10 milliemmes. Smooth edges: 50, 20, 5, and 1 millieme coins.

n.a. Not available.

NOTE.—The name of the pound was changed to the Libyan dinar, with units of dirhams, on Sept. 1, 1971.

LIECHTENSTEIN—Coins of Switzerland circulate in Liechtenstein

LUXEMBOURG

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 francs		25.00	835 silver, 165 copper	37	2.30
100 francs		18.00	 do.	33	2.05
10 francs	1,000,000	8.00	Pure nickel	27	2.00
5 francs	1,000,000	6.00	75% copper, 25% nickel	24	1.75
1 franc	4,000,000	4.00	 do.	21	1.51
25 centimes		.76	97% aluminum, 3% magnesium	19	1.00
Total	6,000,000				

¹ 1978 coinage made by Belgian Government Mint, Brussels, was dated 1978, except for the 5 francs and 1 million of the 1 franc coins, which were dated 1979.

* Milled edges: 250, 100, 5, and 1 franc coins. Smooth edges: 10 francs and 25 centimes.

NOTE.—Belgian coins also circulate in Luxembourg.

MACAO

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 patacas		18.00	650 silver, 350 copper	35.00	2.28
5 patacas		10.00	do.....	30.00	2.50
1 pataca		3.00	do.....	19.00	1.10
Do		10.60	Pure nickel	28.50	2.10
50 avos	3,000,000	5.90	75% copper, 25% nickel	23.60	1.83
10 avos		4.00	95% copper, 3% zinc, 2% tin.	22.00	1.20
Do		4.00	79% copper, 20% zinc, 1% nickel.	22.00	1.20
5 avos		2.00	95% copper, 3% zinc, 2% tin.	17.00	1.10
Do		2.60	79% copper, 20% zinc, 1% nickel.	17.00	1.50
Total	3,000,000				

¹ 1978 coinage, produced by Portuguese Government Mint, was dated 1978.

*Serrated edges: 20, 5 patacas, 1 pataca (silver), and 50 avos. Smooth edges: 1 pataca (nickel), 10, and 5 avos.

MADAGASCAR, DEMOCRATIC REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Ariary system:					
20 ariary	3,800	12.00	925 silver	30.50	n.a.
Do	8,000,800	12.00	Pure nickel	30.50	n.a.
10 ariary	3,800	9.00	925 silver	26.50	n.a.
Do	8,000,800	9.00	Pure nickel	26.50	n.a.
Franc system					
20 francs	2,100,000	6.00	92% copper, 6% aluminum, 2% nickel.	24.50	1.70
10 francs	5,500,000	3.50	 do.	21.00	1.70
5 francs	2,700,000	5.00	Stainless steel	22.00	2.00
2 francs	2,000,000	3.40	 do.	19.00	1.88
1 franc	2,250,000	2.40	 do.	17.00	1.66
Total	30,559,200				

¹ 1978 franc system coins were manufactured by French Government Mint, Paris. Dates reflect the year in which the minting order was given. Ariary system coins were made by mints in the United Kingdom; they are the first of the new coinage system, are dated 1978, and the silver coins are proof.

*Smooth edges: All franc denominations. Reeded edges: 20 and 10 ariary coins.

NOTE.—Madagascar began changing its basic currency unit to the ariary system in 1978. One ariary is equal to 5 francs.
n.a. Not available.

MADEIRA ISLANDS—Coins of Portugal circulate in Madeira Islands

MALAWI

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 kwacha	100	33.44	900 gold, 100 silver	34.00	n.a.
10 kwacha	2,040	35.00	925 silver	42.00	n.a.
Do		49.09	916 gold	38.60	n.a.
5 kwacha	1,880	28.28	925 silver	38.61	n.a.
1 kwacha		28.28	75% copper, 25% nickel	38.70	n.a.
20 tambala		11.31	 do.	28.50	2.31
10 tambala		5.66	 do.	23.60	1.45
5 tambala		2.83	 do.	19.40	1.40
2 tambala		3.56	97% copper, 2.5% nickel, 0.5% zinc.	20.30	n.a.
1 tambala		1.78	 do.	17.20	n.a.
Total	4,020				

¹ 1978 coinage, produced by mints in the United Kingdom, was dated 1978. 100 of the 10 kwacha coins are proof.

*Smooth edges: 2 and 1 tambala. Reeded edges: 250, 10 and 5 kwacha, 20, 10, and 5 tambala. Incuse-lettered edge: 1 kwacha.

n.a. Not available.

MALAYSIA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative:					
500 ringgit		33.44	900 gold	34.00	2.49
250 ringgit		10.28	do.....	26.16	1.55
200 ringgit		7.43	do.....	25.25	1.35
25 ringgit		35.00	925 silver	42.00	3.22
Do ¹	900	35.00	do.....	42.00	2.87
15 ringgit ¹	922	28.28	do.....	38.61	2.75
10 ringgit (14 sided)		10.82	do.....	27.70	2.31
5 ringgit		29.03	75% copper, 25% nickel	38.00	3.20
1 ringgit ²	3,916	16.85	do.....	33.35	2.41
Do (14 sided)		16.85	do.....	33.35	2.41
Subtotal	5,738				
Regular issue: ³					
50 sen	16,094,729	9.33	75% copper, 25% nickel	27.76	2.16
20 sen	6,847,057	5.66	do.....	23.60	1.70
10 sen	22,281,458	2.83	do.....	19.41	1.35
5 sen	51,671,158	1.41	do.....	16.26	.97
1 sen	33,083,905	1.74	Copper clad steel	17.78	1.12
Subtotal	129,978,307				
Total	129,984,045				

¹ Part of the World Wildlife Conservation series, drawing attention to endangered species of wildlife, produced by mints in the United Kingdom, dated 1976.

² Commemorative coin marking the 20th anniversary of Bank Negara Malaysia, struck by Kilang Wang, bearing dates 1959-1979.

³ Coins for regular issue were produced by Kilang Wang and were dated 1978.

*Smooth edges: All 14-sided coins designated in denomination column and 1 sen coins. Reeded edges: \$500, \$250, \$25, \$15, \$1, 20, 10, and 5 sen coins. Lettered edges: \$1 commemorating Southeast Asia Games and 20th anniversary of independence and 50 sen coins.

NOTE.—The basic currency unit was changed from the dollar to ringgit, with fractional unit becoming the sen. The symbols for the monetary units remained the same.

MALDIVIVE REPUBLIC

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 rupees	7,140	28.28	500 silver, 500 copper	40.00	n.a.
20 rupees		28.28	do.....	38.61	n.a.
5 rupees		19.00	75% copper, 25% nickel	35.66	n.a.
50 laris		5.66	79% copper, 20% zinc, 1% nickel.	23.60	n.a.
25 laris		4.15	do.....	20.19	n.a.
10 laris		5.18	do.....	(²)	n.a.
5 laris		2.59	do.....	(³)	n.a.
2 laris		3.24	97% copper, 2.5% zinc, 0.5% tin.	(⁴)	n.a.
1 lari		1.50	do.....	15.01	n.a.
Total	7,140				

¹ 1978 coinage, produced by mints in the United Kingdom, was dated 1978. Believed to be FAO Food plan coins.

² Twelve scallops, measuring 23.1 mm. across scallops, 21.6 mm. inside scallops.

³ Eight scallops, measuring 20.3 mm. across scallops, 17.8 mm. inside scallops.

⁴ Square coin with rounded corners, 18.2 mm. across flats, 21.5 mm. across diagonals.

*Security edges: 50 and 25 laris. Smooth edges: 10, 5, 2, and 1 lari coins. Reeded edge: 25 rupees.

n.a. Not available.

MALI

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs		8.00	92% copper, 6% aluminum, 2% nickel.	27.80	n.a.
50 francs		4.00	do.....	23.50	n.a.
25 francs		2.50	Aluminum with approximately 2.8% magnesium and 0.35% manganese.	27.00	1.60
Do		2.55	95% aluminum, 5% manganese	27.00	n.a.
10 francs		1.55	do.....	23.50	n.a.
Do		1.50	Aluminum with approximately 2.8% magnesium, and 0.35% manganese.	23.50	1.60
5 francs		1.00	do.....	20.00	1.70
Total					

n.a. Not available.

*Smooth edge: 50 francs, 2.55 gr. 25 franc, and 1.55 gr. 10 franc coins. Reeded edges: All other denominations.

MALTA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Numismatic coins:					
50 pounds	n.a.	15.00	916 gold	28.00	n.a.
20 pounds	n.a.	6.00	do.....	22.00	n.a.
10 pounds	n.a.	3.00	do.....	19.00	n.a.
4 pounds	n.a.	20.00	987 silver	38.00	n.a.
2 pounds	n.a.	10.00	do.....	32.00	n.a.
Subtotal	n.a.				
Regular issue: ¹					
50 cents	500,000	13.60	75% copper, 25% nickel	31.19	n.a.
25 cents		10.48	79% copper, 20% zinc, 1% nickel.	28.17	n.a.
10 cents		11.31	75% copper, 25% nickel	28.50	n.a.
5 cents		5.65	do.....	23.60	n.a.
2 cents		2.26	do.....	17.78	n.a.
1 cent		7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	n.a.
5 mils		2.11	Aluminum	26.00	n.a.
3 mils		1.45	do.....	23.11	n.a.
2 mils		.95	do.....	20.31	n.a.
Subtotal	500,000				
Total	500,000				

¹ Coins were produced by mints in the United Kingdom and were dated 1972.

*Smooth edges: 50 and 25 cent pieces and 5, 3, and 2 mils. Milled edges: 10, 5, 2, and 1 cent coins and all numismatic coins.

n.a. Not available.

MARQUEZAS ISLANDS—See French Polynesia

MAURITANIA, ISLAMIC REPUBLIC OF

MAURITIUS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 rupees ²	100	15.98	916½ gold, 83½ copper.....	28.40	n.a.
200 rupees.....		15.56	916.6 gold.....	27.76	n.a.
50 rupees ³	100	35.00	925 silver.....	42.00	2.87
Do ³	10	31.65	500 silver, 500 copper.....	42.00	2.87
25 rupees ⁴	3,700	28.28	925 silver.....	38.61	2.75
Do ²	9,500	28.28	500 silver, 500 copper.....	38.61	2.75
1 rupee.....	2,684,268	11.66	75% copper, 25% nickel.....	30.00	2.44
50 cents.....	689,268	5.83	do.....	23.60	n.a.
25 cents.....	9,309,268	2.91	do.....	19.00	n.a.
10 cents (12 scallops).....	16,994,268	5.18	do.....	23.50	1.75
5 cents.....	8,009,268	9.72	97% copper, 2.5% zinc, 0.5% nickel.....	28.40	1.70
2 cents.....	9,268	3.89	do.....	23.10	1.02
1 cent.....	9,268	1.94	do.....	17.80	.91
Total.....	37,718,286				

¹ 1978 coinage made by mints in the United Kingdom, included 9,268 7-coin proof sets and was dated 1978, except as noted below. Regular issue coins dated 1975: 1 rupee 675,000; 50 cents 280,000; 25 cents 500,000; and 10 cents 4,025,000.

² Coins commemorating the 10th anniversary of Mauritius' independence; the gold coins were proof.

³ Part of the World Wildlife Conservation Series, calling attention to endangered species of wildlife dated 1975. The 925 fine 50 and 25 rupees were proof.

⁴ Consists of 100 Conservation coins and 100 10th anniversary proof coins, dated 1978, and 3,500 proof coins commemorating the Silver Jubilee of Queen Elizabeth II (dated 1952-1977).

*Smooth edges: 10, 5, 2, and 1 cent coins. Milled edges: 1,000, 200, 50, and 25 rupees and 25 cents. Security edges: 1 rupee and 50 cents.

n.a. Not available.

MEXICO

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Numismatic coins: ²					
50 pesos.....	n.a.	41.67	900 gold, 100 copper.....	37.00	n.a.
20 pesos.....	n.a.	16.67	do.....	27.50	n.a.
10 pesos.....	n.a.	8.33	do.....	22.50	n.a.
5 pesos.....	n.a.	4.17	do.....	19.00	n.a.
2½ pesos.....	n.a.	2.08	do.....	15.50	n.a.
2 pesos.....	n.a.	1.67	do.....	13.00	n.a.
Regular issue:					
100 pesos.....	9,879,000	27.78	720 silver, 280 copper.....	39.00	2.84
25 pesos.....		22.50	do.....	38.00	2.56
10 pesos ³	124,850,000	10.00	75% copper, 25% nickel.....	30.50	2.40
5 pesos.....	25,700,000	14.00	do.....	33.00	2.22
1 peso.....	263,440,000	9.00	do.....	29.00	1.91
50 centavos.....	85,400,000	6.50	do.....	25.00	1.83
20 centavos.....	527,950,000	3.00	do.....	20.00	1.36
10 centavos.....	271,870,000	1.50	do.....	15.00	1.16
Total.....	1,309,089,000				

¹ Made by the Mexican Government Mints. Coins were dated 1978.

² These gold coins were struck for investment purposes and are not for circulation.

³ Seven-sided coin.

*Milled edges: gold 2 and 2½ pesos, 1 peso, cupronickel 50 and 20 centavos. Smooth edges: 10 pesos. Lettered edge: gold 50, 20, 10, and 5 pesos, 100, 25 and 5 pesos coins.

NOTE.—The 5 and 1-centavos coins were demonitized in January 1978.

MONACO

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 francs		25.0	900 silver, 100 copper.....	37.0	n.a.
5 francs		12.0	835 silver, 165 copper.....	29.0	2.10
1 franc		6.0	Pure nickel.....	24.0	1.90
½ franc		4.5	do.....	19.5	2.10
50 centimes.....		7.0	92% copper, 6% aluminum, 2% nickel.	25.0	n.a.
20 centimes.....		4.0	do.....	23.5	1.50
10 centimes.....		3.0	do.....	20.0	1.50

*Reeded edges: 10, 5, 1, and ½ franc coins. Smooth edges: 50, 20, and 10 centimes.

n.a. Not available.

NOTE.—French coins also circulate in Monaco.

MONGOLIAN PEOPLE'S REPUBLIC

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
750 tukhrik		33.44	900 gold.....	34.00	2.49
50 tukhrik	900	35.00	925 silver.....	42.00	2.87
25 tukhrik	900	28.28	do.....	38.61	2.75
Total.....	1,800				

¹ 1978 coinage, manufactured by mints in the United Kingdom, was dated 1976. Coins were part of the World Wildlife Conservation series drawing attention to endangered species of wildlife.

* Reeded edges: All denominations.

NOTE.—The basic monetary unit, the tukhrik, is divided into 100 mogo.

MOROCCO

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 dirhams ²	2,000	6.45	900 gold, 100 silver	21.00	1.35
Do		9.67	do.	21.00	n.a.
50 dirhams		60.45	do.	42.00	n.a.
Do		90.52	do.	42.00	n.a.
Do ³	18,008	35.00	925 silver, 75 copper	42.00	2.90
Do		52.86	do.	42.00	n.a.
5 dirhams		23.65	900 gold, 100 silver	29.00	n.a.
Do		35.48	do.	29.00	n.a.
Do	13,743	12.00	75% copper, 25% nickel	29.00	n.a.
Do		12.00	925 silver	29.00	n.a.
1 dirham	18,113,743	6.00	75% copper, 25% nickel	24.00	1.82
50 centimes	1,113,743	4.00	do.	21.00	2.20
20 centimes	2,213,743	4.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.60
10 centimes	1,013,743	3.00	do.	20.00	1.60
5 centimes	12,613,743	2.00	do.	17.50	1.90
1 centime	13,743	.70	Aluminum	17.00	1.40
Total	35,116,209				

¹ 1978 coinage, made by mints in the United Kingdom, includes 13,743 7-coin proof sets dated 1975.

² Coins commemorate various birthdays of King Hassan II. Consists of 250 proof coins dated 1395-1975, 250 proof coins dated 1396-1976, and 1,500 proof coins dated 1397-1977.

³ Includes the following commemorative issues: Coins dated 1395-1975 marking International Women's Year; 4,236 coins dated 1395-1975 commemorating the 20th anniversary of Moroccan independence; 5,000 coins dated 1398-1978 commemorating the third anniversary of the Green March into the Spanish Sahara; and proofs dated 1396-1976.

*Reeded edges: 250, 50, 5, and 1 dirhams; 50, 20, and 10 centimes. Smooth edges: 5 and 1 centimes.

n.a. Not available.

Previous issues of Moroccan coins also outstanding in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 dirhams	11.75	720 silver, 280 copper	29	2.20
1 dirham	6.00	do.	24	1.82
Do	6.00	Pure nickel	24	1.82
500 francs	22.50	900 silver, 100 copper	36	2.70
200 francs	8.00	720 silver, 280 copper	27	1.70
100 francs	4.00	do.	22	1.30
50 francs	8.00	92% copper, 6% aluminum, 2% nickel.	27	2.20
20 francs	4.00	do.	23	1.60
10 francs	3.00	do.	20	1.60
5 francs	1.85	99% aluminum, 1% other	25	1.90
2 francs	1.20	do.	22	1.60
1 franc	.80	do.	19	1.40

*Milled edges: 5 and 1 dirham coins, 500, 200, 100 francs. Smooth edges: 50, 20, 10, 5, 2, and 1 franc coins.

MOZAMBIQUE

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Escudo-centavo system:					
20 escudos	n.a.	10.00	680 silver, 320 copper	30.00	1.70
Do	n.a.	10.00	720 silver, 280 copper	30.00	1.50
Do	n.a.	12.00	Pure nickel	30.00	2.12
10 escudos	n.a.	9.00	75% copper, 25% nickel	28.00	2.00
Do	n.a.	9.00	75% copper, 25% zinc	28.00	2.10
5 escudos	n.a.	4.00	600 silver, 400 copper	22.00	1.00
Do	n.a.	7.00	75% copper, 25% nickel	24.50	2.00
2½ escudos	n.a.	3.50	do.....	20.00	1.50
1 escudo	n.a.	8.00	95% copper, 3% zinc, 2% tin	26.00	2.10
50 centavos	n.a.	4.50	do.....	22.50	1.50
20 centavos	n.a.	3.00	do.....	20.50	1.10
Do	n.a.	1.80	do.....	16.00	1.20
10 centavos	n.a.	1.80	do.....	16.00	1.10
Total	n.a.				

*Serrated edges: 20, 10, 5, and 2½ escudos. Smooth edges: 1 escudo: 50, 20, and 10 centavos.

n.a. Not available.

NOTE.—Formerly Portuguese East Africa, Mozambique was granted independence on June 25, 1975.

NEPAL

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 asarfi		33.43	900 gold, 100 silver	34.00	2.49
50 rupees ²	100	35.00	925 silver	42.00	2.87
Do ²	1,290	31.65	500 silver, 500 copper	42.00	2.87
25 rupees ²	100	28.28	925 silver	38.61	2.75
Do		17.00	600 silver, 400 copper	36.00	n.a.
Do ²	1,290	25.31	500 silver, 500 copper	38.61	2.75
20 rupees		15.00	500 silver, 400 copper, 100 nickel.	33.00	n.a.
10 rupees		8.00	250 silver, 600 copper, 150 nickel.	29.00	n.a.
1 rupee		7.50	75% copper, 25% nickel	27.50	1.85
Do		7.00	do.....	26.50	n.a.
50 paisa	2,354,754	5.00	do.....	23.50	1.31
25 paisa	5,963,530	3.00	do.....	19.00	1.21
20 paisa	234,079	3.00	66% copper, 34% zinc	20.00	1.25
10 paisa	2,293,285	2.20	do.....	18.50	n.a.
Do		4.00	do.....	21.00	1.34
5 paisa	27,612,832	1.20	100% aluminum	20.50	1.31
2 paisa	26,272	.90	do.....	18.50	1.21
1 paisa	319,318	.60	do.....	16.50	1.01
Total	38,806,850				

¹Production for general circulation by His Majesty's Government Mint, Kathmandu, were dated 2034, and 2035.

²Dated 2031 (1974), and believed to be part of the World Wildlife Conservation coin series, calling attention to endangered species of wildlife. The 925 fine 25 and 50 rupees were proof coins dated 2031. These coins were made by mints in the United Kingdom.

n.a. Not available.

*Milled edges: 1 asarfi; 50, 25, 20, 10, 1 rupee coins; 50, 25, and 20 paisa. Smooth edges: 10, 5, 2, and 1 paisa coins.



Coinage of Nepal

Previous issues of Nepalese coins

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Bakla Ashrafi	11.66	995 gold, 5 other.....	25.20	1.22
Patla Ashrafi	5.83	do	25.20	.61
¼ Ashrafi	1.94	do	18.29	.28
Dabal (1 rupee)	11.08	800 silver, 200 copper	29.60	1.60
Do.....	11.08	333.3 silver, 666.7 copper	29.60	1.60
Do.....	11.66	75% copper, 25% nickel	29.60	1.90
Do.....	11.66	do	28.60	2.34
Mohar (50 pice)	5.54	800 silver, 200 copper	25.20	1.20
Do.....	5.54	333.3 silver, 666.7 copper	25.20	1.20
Do.....	5.83	75% copper, 25% nickel	25.20	1.40
Do.....	5.83	do	24.80	1.40
Suka (25 pice)	2.92	do	19.10	1.16
Do.....	2.90	do	19.00	1.19
Pachanni.....	2.22	333.3 silver, 666.7 copper	18.30	.90
Do.....	2.33	75% copper, 25% nickel	17.80	1.10
Das paise (10 pice)	6.48	95% copper, 5% zinc	24.80	1.50
Do.....	5.00	do	24.80	1.30
Do.....	5.00	95% copper, 5% aluminum.....	24.80	1.30
Panch paise (5 pice).....	3.89	95% copper, 5% zinc	22.20	1.00
Do.....	3.00	do	20.80	1.00
Do.....	3.00	95% copper, 5% aluminum.....	22.20	1.00
Do.....	3.24	70% copper, 20% nickel, 10% zinc	20.30	1.00
4 pice ¹	2.36	66% copper, 34% zinc	19.10	n.a.
Dui paise (2 pice)	3.89	do	22.90	1.10
Do.....	2.60	do	20.80	.90
Do.....	2.27	do	19.10	.90
Do.....	2.25	do	19.00	.90
Ek paise (1 pice)	1.50	do	16.50	.80
Do.....	1.43	do	16.50	.80
Do.....	1.94	do	20.10	.70
Do.....	1.62	do	18.30	.70

¹ Coin has central hole.

*Not available.

NOTE.—There are 100 pice to the dabal.

NETHERLANDS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 guilders .....	.....	25.00	720 silver, 280 copper	38.00	2.60
2½ guilders ²	10,000,000	10.00	Pure nickel	29.00	2.30
1 guilder	30,000,000	6.00	do	25.00	1.80
25 cents	35,000,000	3.00	do	19.00	1.50
10 cents	110,000,000	1.50	do	15.00	1.20
5 cents	60,000,000	3.50	95% copper, 4% tin, 1% zinc.	21.00	1.50
1 cent	15,000,000	2.00	do	17.00	1.30
Total.....	260,000,000				

¹ Coins made at Netherlands Government Mint, Utrecht, and dated 1978, except for 5 million of the 2½ guilders which bore the year 1979.² General circulation coins commemorating the 400th anniversary of the Union of Utrecht, which is considered to be the basis of the Dutch State.

*Lettered edges: 10, 2½, and 1 guilders. Milled edges: 25 and 10 cents. Smooth edges: 5 and 1 cent coins.

NETHERLANDS ANTILLES (CURACAO)

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 guilders ²	50,000	6.72	900 gold	22.50	1.31
25 guilders		42.12	925 silver	45.00	n.a.
10 guilders ²	50,000	25.00	720 silver, 280 copper	38.00	2.70
2½ guilders		14.00	Pure nickel	32.00	2.60
1 guilder		10.00	720 silver, 280 copper	28.00	2.00
Do	500,000	9.00	Pure nickel	28.00	2.10
25 cents		3.58	640 silver, 360 copper	19.00	1.50
Do	1,000,000	3.50	Pure nickel	20.00	1.60
10 cents		1.40	640 silver, 360 copper	15.00	1.10
Do	1,500,000	2.00	Pure nickel	16.00	1.40
5 cents ³	1,500,000	4.50	75% copper, 25% nickel	18.00	1.80
2½ cents ³	1,500,000	4.00	95% copper, 4% tin, 1% zinc	22.00	1.60
1 cent ³	2,000,000	2.50	do.....	18.00	1.40
Total	8,100,000				

¹ 1978 coinage was made by Netherlands Government Mint, Utrecht, and dated 1978.

² Commemorative coins, recognizing the 150th anniversary of the Bank of the Netherlands Antilles, which is the oldest central bank in the Western Hemisphere. Of the 100 guilders, 23,500 are proof; 14,675 of the 10 guilders are proof.

³ Square coin with rounded corners. (Diameter measurement across sides.)

* Lettered edges: 25, 10, 2½, and silver 1 guilder. Smooth edges: Nickel 1 guilder, 5, 2½, and 1 cent pieces. Milled edges: 100 guilders and 25 and 10 cent coins.

n.a. Not available.

NEW CALEDONIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs		10.00	92% copper, 6% nickel, 2% aluminum	30.00	n.a.
50 francs		15.00	Pure nickel	33.00	2.20
20 francs	350,000	10.00	do.....	28.50	2.10
10 francs	1,000,000	6.00	do.....	24.00	1.80
5 francs		3.50	95% aluminum, 5% magnesium	31.00	n.a.
2 francs	500,000	2.20	do.....	27.00	n.a.
1 franc	500,000	1.30	do.....	23.00	n.a.
Total	2,350,000				

¹ 1978 coinage was produced by the French Government Mint, Paris, and dated 1977.

* Milled edges: 100, 50, 20, and 10 francs. Smooth edges: 2 and 1 franc coins. Other denominations not reported.

n.a. Not available.

NEW GUINEA—See Papua New Guinea
NEW HEBRIDES

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs		25.00	835 silver, 165 copper	37.00	2.60
50 francs		15.00	Pure nickel	33.00	n.a.
20 francs		10.00	do.....	28.50	2.10
10 francs		6.00	do.....	24.00	1.80
5 francs		4.00	92% copper, 6% aluminum, 2% nickel.	23.50	n.a.
2 francs	150,000	4.00	do.....	23.50	n.a.
1 franc	200,000	2.00	do.....	17.00	n.a.
Total	350,000				

¹1978 coinage, produced by French Government Mint, Paris, was dated 1978.

*Reeded edges: 100, 50, 20, and 10 francs. Smooth edges: 5, 2, and 1 franc pieces.

n.a. Not available.

NOTE.—In addition to the New Hebrides coins, Australian, metropolitan French, and United Kingdom coins circulate in New Hebrides.

NEW ZEALAND

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dollar	33,000	27.22	925 silver, 75 copper	38.74	3.07
Do	123,000	27.22	75% copper, 25% nickel	38.74	3.07
50 cents	2,038,000	13.61	do.....	31.75	2.24
20 cents	2,538,000	11.31	do.....	28.57	2.29
10 cents	16,038,000	5.66	do.....	23.62	1.73
5 cents	20,038,000	2.83	do.....	19.43	1.35
2 cents	38,000	4.15	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 cent	15,038,000	2.07	do.....	17.53	1.17
Total	55,884,000				

¹1978 coinage, manufactured by mints in Canada, was dated 1978. The silver dollar coins were proof, 15,000 of which were included in 7-coin proof sets. Production also included 23,000 uncirculated sets and 100,000 uncirculated cupronickel dollars.

*Edge of 50 cents has alternate milled and smooth sections. Milled edges: \$1, 20, 10, and 5 cents. Smooth edges: 2 cents and 1 cent.

Nondecimal coins of New Zealand in circulation in 1978

Denomination issued under pound-shilling-pence system	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Florin (2 shillings)	11.31	75% copper, 25% nickel	28.57	2.29
Shilling	5.66	do.....	23.62	1.73
Sixpence	2.83	do.....	19.43	1.35

*Not reported.

NICARAGUA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins: ²					
2,000 cordobas	220	19.20	900 gold	32.00	n.a.
1,000 cordobas		9.72	do.....	25.00	1.43
500 cordobas	2,870	5.40	do.....	21.00	n.a.
200 cordobas	2,650	2.10	do.....	15.00	n.a.
100 cordobas		25.14	925 silver	40.00	n.a.
50 cordobas		12.57	do.....	30.00	n.a.
20 cordobas		5.03	do.....	22.00	n.a.
Subtotal	5,740				
Regular issue:					
1 cordoba		9.50	75% copper, 25% nickel	29.00	n.a.
50 centavos		8.00	do.....	26.00	2.00
25 centavos		5.00	do.....	23.00	1.80
10 centavos	2,000,000	3.00	do.....	20.00	1.63
5 centavos		1.50	Aluminum with 4% magnesium	21.50	n.a.
Total	2,005,740				

¹ 1978 coinage was made by the Royal Canadian Mint. All coinage was dated 1975.

² Consists of 100 proof and 120 uncirculated 2,000 cordobas; 500 cordobas consist of 1,650 proof and 1,000 uncirculated coins honoring Capullo and 100 proof and 120 uncirculated pieces honoring Mercedes; and 1,650 proof and 1,000 uncirculated 200 cordobas.

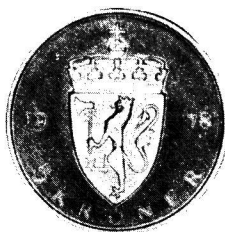
*Milled edges: All denominations.

n.a. Not available.

NIGERIA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 kobo		10.00	75% copper, 25% nickel	26.92	2.20
10 kobo		4.00	do.....	22.86	1.30
5 kobo		2.76	do.....	20.00	1.10
1 kobo		5.80	97% copper, 2.5% zinc, 0.5% tin.	25.00	1.10
½ kobo		3.50	do.....	21.60	1.30
Total					

*Reeded edges: 25, 10, and 5 kobo. Smooth edges: 1 and ½ kobo.



Coinage of Norway

NORWAY

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 kroner ²	800,000	27.00	925 silver.....	36.00	3.25
5 kroner ³	8,842,768	11.50	75% copper, 25% nickel.....	29.50	2.23
1 krone.....	23,036,000	7.00	do.....	25.00	1.83
50 ore.....	15,305,000	4.80	do.....	22.00	1.63
25 ore.....	11,259,000	2.40	do.....	17.00	1.40
10 ore.....	37,395,000	1.50	do.....	15.00	1.18
5 ore.....	13,838,000	3.00	95% copper, 4% tin, 1% zinc.	19.00	1.48
Total.....	110,475,768				

¹ The 1978 coinage, made by the Royal Mint of Norway, bears the date 1978 and includes 35,000 sets of the 6 regular circulation coins.

² Coins commemorate the 75th birthday of H.M. King Olav V.

³ Includes 2,989,768 coins commemorating the 350th anniversary of the Norwegian Army, bearing dates 1628-1978, and having smooth edge.

*Incused lettered edge: 5 kr. Milled edges: 1 kr, 50, 25, and 10 ore. Smooth edge: 50 kr and 5 ore.

Previous issues of Norwegian coins in circulation in 1978

Denomination and years issued	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 krone (1924-51).....	7.0	75% copper, 25% nickel.....	¹ 25	2.05
1 krone (1951-57).....	7.0	do.....	² 25	1.94
50 ore (1924-51).....	4.8	do.....	¹ 22	1.80
50 ore (1951-57).....	4.8	do.....	² 22	1.75
25 ore (1924-51).....	2.4	do.....	¹ 17	1.60
25 ore (1951-57).....	2.4	do.....	² 17	1.42
10 ore (1924-51).....	1.5	do.....	¹ 15	1.33
10 ore (1951-57).....	1.5	do.....	² 15	1.20
5 ore (1924-61).....	8.0	95% copper, 4% tin, 1% zinc.....	² 27	1.88
5 ore (1962-73).....	8.0	do.....	² 27	1.75

¹ Perforated.

² Not perforated.

*Smooth edges: All denominations.



Coinage of Norway

OMAN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
75 rial ²	945	33.44	900 gold, 100 silver	34.00	2.49
15 rial		22.05	916.6 gold	22.05	n.a.
5 rial		28.00	925 silver	38.70	2.38
Do ²	5,700	35.00	do.....	34.00	2.87
Do		46.65	916.6 gold	38.74	n.a.
2½ rial ²	6,010	28.28	925 silver, 75 copper	38.61	2.75
1 rial	15,000	15.00	500 silver, 500 copper	33.02	n.a.
Do		25.60	916.6 gold	33.02	n.a.
½ rial	15,000	13.50	75% copper, 25% nickel	30.00	n.a.
Do		19.67	916.6 gold	28.40	n.a.
¼ rial		4.04	925 silver	19.05	1.35
Do		12.89	916.6 gold	20.00	n.a.
100 baizas		11.31	75% copper, 25% nickel	28.50	2.24
Do		22.74	916.6 gold	28.50	n.a.
50 baizas		6.48	75% copper, 25% nickel	24.00	1.85
Do		12.89	916.6 gold	24.00	n.a.
25 baizas		3.00	75% copper, 25% nickel	18.00	n.a.
Do		5.96	916.6 gold	18.00	n.a.
20 baizas		n.a.	75% copper, 25% nickel	n.a.	n.a.
10 baizas		4.76	97% copper, 2.5% zinc, 0.5% tin.	22.50	1.60
5 baizas		3.11	do.....	19.00	n.a.
2 baizas		1.75	do.....	15.98	1.24
Total	42,655				

¹ 1978 coinage was made by mints in the United Kingdom. The coins were dated 1397, except for the 1 and ½ rials, which were dated 1978.

² Part of the World Wildlife Conservation series, drawing attention to endangered species of wildlife. 220 75 rials, 4,400 5 rials, and 4,710 2½ rials were proof coins.

*Milled edges: 75, 15, 5, 2½, 1, and gold ¼ rials and 100, 50, and 25 baizas. Smooth edges: ½ and silver ¼ rial, 10, 5, and 2 baizas. 20 baizas edge unknown.

n.a. Not available.

PAKISTAN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
3,000 rupees ²	8	33.44	900 gold	34.00	2.49
1,000 rupees		7.29	916.6 gold	25.00	n.a.
500 rupees		4.50	do.	19.00	n.a.
150 rupees ²	1,500	35.00	925 silver	42.00	2.87
100 rupees		20.44	do.	36.00	n.a.
Do ²	1,500	28.28	do.	38.61	2.75
1 rupee	5,000,000	7.50	75% copper, 25% nickel	27.50	1.72
50 paisa		5.83	do.	24.00	1.75
Do	18,252,000	5.00	do.	23.00	1.75
25 paisa	33,544,000	4.00	do.	20.00	1.75
10 paisa (Scalloped)	55,185,000	1.60	Pure aluminum	22.00	1.35
5 paisa (square)	61,940,000	1.25	do.	21.00	1.30
2 paisa (Scalloped)		1.00	do.	19.50	1.45
1 paisa	20,380,000	.75	do.	17.00	1.25
Total	194,304,008				

¹ 1978 coinage for general circulation was produced by the Pakistan Mint, Lahore, and dated 1978. Numismatic coins were made by mints in the United Kingdom.

² Part of the World Wildlife Conservation series, dated 1976.

*Serrated edges: 3,000, 1,000, 500, 150, 100, and 1 rupees, 50 and 25 paisa. 12 scallops with waved, smooth edges: 10 paisa coins. 8 scallops with waved, smooth edges: 2 paisa aluminum coins. Smooth edges: 5 and 1 paisa.
n.a. Not available.

Previous issues of Pakistani coins in circulation in 1978

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 rupee	11.66	Pure nickel	27.94	2.39
½ rupee	5.83	do.	24.13	1.73
¼ rupee	2.92	do.	19.05	1.50
50 paisa	5.83	do.	24.00	1.70
25 paisa	2.92	do.	19.00	1.50
10 paisa	5.00	75% copper, 25% nickel	(¹)	1.75
5 paisa (square)	3.00	79% copper, 20% zinc, 1% nickel	21.00	1.50
2 paisa	.75	Pure aluminum	18.00	1.50
1 paisa	1.50	79% copper, 20% zinc, 1% tin	17.00	1.02
Do	1.50	do.	20.60	.76

¹ 12 scallops with greater diameter of 23 mm. and lesser diameter of 21.89 mm.

*Serrated edges: 1, ½, ¼, rupees, 50, and 25 paisa. Waved edge: 10 paisa. Smooth edge: 1 paisa.



Coinage of Pakistan

PANAMA, REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 balboas.....		38.91	900 gold.....	45.00	n.a.
100 balboas.....		8.32	do.....	26.00	n.a.
20 balboas.....		132.20	925 silver, 75 copper.....	61.00	5.72
10 balboas.....	5,000	42.38	Pure nickel.....	45.45	n.a.
5 balboas.....		35.12	do.....	39.00	3.20
Do.....		35.12	75% copper, 25% nickel.....	39.00	n.a.
Do.....		30.32	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	39.00	3.30
1 balboa.....		26.73	900 silver, 100 copper.....	38.10	2.72
Do.....		26.86	925 silver.....	38.10	n.a.
Do.....		26.86	75% copper, 25% nickel.....	38.10	n.a.
½ balboa.....		11.50	do.....	30.61	n.a.
Do.....		11.50	3-layer composite: outer cladding 800 silver, 200 copper bonded to a core of approximately 200 silver, 800 copper.	30.61	1.98
Do.....		11.50	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	30.61	1.98
¼ balboa.....		5.67	do.....	24.26	1.83
Do.....		5.67	75% copper, 25% nickel.....	24.26	n.a.
⅓ balboa.....		2.27	do.....	17.91	1.30
Do.....		2.27	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	17.91	1.30
5 centésimos.....		5.00	do.....	21.21	1.78
Do.....		5.00	75% copper, 25% nickel.....	21.21	1.78
2½ centésimos.....		1.24	do.....	10.00	n.a.
Do.....		1.24	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	10.00	2.00
1 centésimo.....	10,000,000	3.11	95% copper, 5% zinc.....	19.05	1.63
Do.....		3.11	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.	19.05	1.63
Total.....	10,005,000				

¹The 10-balboa coins were manufactured by mints in the United Kingdom and dated 1978; the 1 centésimo coins were manufactured by the U.S. Mint and were dated 1978.

* Reeded edges: 20, 10, 5, 1, ½, ¼, and ⅓ balboa coins. Smooth edges: 5, 2½, and 1 centésimo coins.

n.a. Not available.

NOTE -U.S. coins also circulate in Panama.

PAPUA NEW GUINEA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 kina		14.52	75% copper, 25% nickel	32.87	2.60
20 toea	2,500,000	11.30	do.....	28.52	n.a.
10 toea		5.65	do.....	23.59	n.a.
5 toea	2,000,000	2.83	do.....	19.40	n.a.
2 toea	10,075,000	4.15	97% copper, 2.5% zinc, 0.5% tin.	21.59	n.a.
1 toea	20,075,000	2.07	do.....	17.52	n.a.
Total	34,650,000				

¹ 1978 coinage was manufactured by mints in the United Kingdom. The 20 and 5 toea coins were dated 1978, the other denominations were dated 1976.

*Reeded edges: 1 kina, 20, 10, and 5 toea. Smooth edges: 2 and 1 toea coins.

n.a. Not available.

PARAGUAY

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
70,000 guaranies	300	46.00	900 gold	38.10	4.00
50 guaranies		5.56	Stainless steel	26.00	1.70
10 guaranies	15,000,000	4.43	do.....	22.00	1.50
5 guaranies	10,000,000	3.68	do.....	20.00	1.50
1 guarani	15,000,000	2.97	do.....	18.00	1.50
Total	40,000,300				

¹ 1978 coinage was dated 1978 and struck by the Brazilian Mint, except for the gold coins which were produced by mints in the United Kingdom and dated 1978/83.

*Smooth edges: All denominations for general issue. Lettered edge: 70,000 guaranies.

PERU

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 soles		22.00	800 silver, 200 copper	37.00	2.00
100 soles		22.00	do.....	37.00	2.00
20 soles		8.00	900 silver, 100 copper	26.40	1.42
10 soles	46,970,000	5.40	70% copper, 30% zinc	31.00	1.80
5 soles	38,016,000	4.30	do.....	22.50	1.24
1 sol.	9,000,000	3.20	do.....	21.00	1.07
½ sol.		2.15	do.....	18.00	1.02
20 centavos		1.80	do.....	16.50	1.00
10 centavos		1.50	do.....	15.00	.98
Total	93,986,000				

¹ 1978 coinage was made by Government Mint of Peru and bore the year 1978.

*Serrated edges: 200 and 100 soles. Smooth edges: 10, 5, 1, and ½ soles, 20 and 10 centavos.



Coinage of Peru

PHILIPPINES

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5,000 pisos		70.00	900 gold	50.00	n.a.
1,500 pisos ²	6,000	20.45	do	33.25	n.a.
1,000 pisos		9.95	do	27.74	n.a.
50 pisos	13,798	28.00	925 silver, 75 copper	40.00	n.a.
25 pisos	13,769	25.00	500 silver, 500 copper	38.00	n.a.
5 pisos	11,348	22.00	Pure nickel	36.00	2.60
1 piso	19,943,326	9.50	75% copper, 25% nickel	29.00	2.00
25 sentimos	30,265,813	4.00	do	21.00	1.70
10 sentimos	44,069,848	2.00	do	18.00	1.30
5 sentimos	26,231,426	2.50	60% copper, 40% zinc	(³)	1.40
1 sentimo	4,970,562	1.20	95% aluminum, 5% magnesium	(⁴)	2.40
Total	125,525,890				

¹ 1978 coinage was the fourth year of the "Ang Bagong Lipunan" or "New Society" series. Production included 1,348 proof sets (denominations 50 piso through 1 sentimo), 2,450 individual proof 50 pisos, and 2,421 proof 25-piso coins produced by the Franklin Mint, a private mint in the United States. In addition, the Franklin Mint made 10,000 circulating coins in these denominations. The Central Bank of the Philippines, Gold Refinery and Mint made 2,910 proof sets (denominations 1 piso through 1 sentimo) and coins for general circulation segregated as follows:

	1977	1978
1 piso	14,770,659	5,158,409
25 sentimos	24,654,013	5,597,542
10 sentimos	28,814,198	15,241,392
5 sentimos	19,366,558	6,850,610
1 sentimo	4,807,904	148,400

² Consists of 3,000 proof and 3,000 uncirculated coins commemorating the Security Bank Complex, Central Bank of Philippines. Produced by the Trade Development Bank, Geneva, Switzerland.

³ Scalped coin measuring 19 mm. at outer edge, 17 mm. at inner edge.

⁴ Square coin with rounded corners measuring 19 mm. diagonally and 16.5 mm. across flats.

*Smooth edges: 1,000, 50, 25, and 5 pisos, 5 and 1 sentimo coins. Milled edges: 5,000, 1,500 and 1 piso coins, 25, and 10 sentimos coins.

n.a. Not available.

NOTE.—For detail of designs on "New Society" coins, see Philippines table in the edition of this report, covering calendar year 1975 foreign coinage.

Other Philippine coins in circulation in 1978

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 piso	14.50	70% copper, 18% zinc, 12% nickel	32.50	2.20
50 sentimos	8.00	do	27.50	1.90
25 sentimos	4.00	do	21.00	1.75
10 sentimos	2.00	do	17.90	1.24
5 sentimos	2.50	60% copper, 40% zinc	18.40	1.45
1 sentimos	.49	95% aluminum, 5% magnesium	15.25	1.36
50 centavos	10.22	70% copper, 18% zinc, 12% nickel	30.61	2.03
25 centavos	5.11	do	24.26	1.65
10 centavos	2.04	do	17.91	1.19
5 centavos	4.85	80% copper, 20% zinc	21.21	1.90
1 centavo	3.11	95% copper, 5% zinc	19.05	1.52

*Reeded edges: 1 piso, 50, 25, and 10 sentimos, 50, 25, and 10 centavos. Smooth edges: 5 and 1 sentimos coins, 5 and 1 centavos coins.



Coinage of the Philippines

POLAND

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2,000 zloty .....	.....	8.00	900 gold, 50 silver, 50 copper.	21.00	1.75
500 zloty .....	.....	29.90	do.....	32.00	2.65
200 zloty .....	.....	14.50	725 silver, 275 copper.....	31.00	2.45
Do .....	.....	14.50	625 silver, 375 copper.....	31.00	2.45
100 zloty ²	120,000	16.50	do.....	32.00	2.55
20 zloty ³	n.a.	10.20	75% copper, 25% nickel.....	29.00	2.20
10 zloty	n.a.	7.70	do.....	25.00	2.30
5 zloty	n.a.	3.45	98% aluminum, 2% magnesium and manganese.	29.00	2.70
2 zloty.....	n.a.	3.00	57%-60% copper; 0.6%-1.2% manganese; residual zinc.	21.00	1.40
1 zloty.....	n.a.	2.20	98% aluminum, 2% magnesium and manganese	25.00	2.20
50 grosz	n.a.	1.60	do.....	23.00	1.95
20 grosz	n.a.	1.00	do.....	20.00	1.50
10 grosz	n.a.	.70	do.....	17.00	1.30
Total.....	n.a.				

¹ 1978 coinage was produced by Mennica Pánstwowa, Warsaw. Coins for general circulation were dated 1978.

² Consists of 30,000 commemorating the 100th anniversary of the birth of Janusz Korczek, pseudonym for Henryk Goldszmit, famous Warsaw pediatrician, who also had a brilliant literary career; 30,000 each in Poland's wildlife series one featuring an elk, the other the beaver; and 30,000 coins honoring Adam Mickiewicz.

³ One group of the 1978-produced general issue 20-zloty coins commemorated the lifting of the first Polish cosmonaut into orbit; another series honored Poland's poet, Maria Konopnicka.

*Reeded edges: 20, 10, 5, 2, 1 zloty and 50 grosz coins. Smooth edges: 2,000, 500, 200, 100 zloty, 20, and 10 grosz coins. n.a. Not available.

PORTUGAL

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
250 escudos ²	6,025	25.0	680 silver, 320 copper	37.00	2.70
100 escudos ²	5,400	15.0	650 silver, 350 copper	32.00	2.26
50 escudos		18.0	do.	34.00	2.40
25 escudos ³	12,277,874	9.5	75% copper, 25% nickel	26.30	2.33
5 escudos ⁴	4,832,552	7.0	do.	24.50	2.04
2½ escudos ³	40,728,364	3.5	do.	20.00	1.50
1 escudo	7,061,340	8.0	95% copper, 3% zinc, 2% tin.	26.00	2.10
50 centavos	48,348,241	4.5	do.	22.50	1.50
20 centavos		1.8	do.	16.00	1.20
10 centavos	2,204,823	.5	97.5% aluminum, 2.5% magnesium.	15.00	1.30
Total	115,464,619				

¹ 1978 coinage was made at Portuguese Government Mint, Lisbon. The 5 escudos and 10 centavos coins were dated 1977. Other general circulation coins were dated as follows:

Denomination	1977	1978
25 escudos	3,571,831	2,716,043
2½ escudos	8,582,268	26,156,096
1 escudo	3,155,003	3,906,337
50 centavos	4,973,854	43,374,387

² Commemorative issue marking the Day of the Revolution, Apr. 25, 1974; all coins were of proof quality.

³ Includes 5,990,000 coins commemorating the 100th anniversary of the death of Alexandre Herculano dated 1977.

⁴ Includes 3,176,236 Alexandre Herculano commemoratives dated 1977.

*Serrated edges: 250, 100, 25, 5, 2½, and old 1 escudos pieces. Smooth edges: 95% copper 1 escudo and 50, 20, and 10 centavos. Lettered edge: 50 escudos.

NOTE.—Coins of continental Portugal circulate in Madeira and the Azores.

Commemorative issues of Portuguese coins also outstanding

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 escudos	18.0	650 silver, 350 copper	34	2.4
20 escudos	21.0	800 silver, 200 copper	34	2.7
Do	10.0	650 silver, 350 copper	30	1.8
10 escudos	12.5	835 silver, 165 copper	30	2.2
Do	12.5	680 silver, 320 copper	30	2.3
Do	10.0	3-layer composite coin. Outer cladding 75% copper, 25% nickel bonded to a core of pure nickel.	28	2.20
5 escudos	7.0	650 silver, 350 copper	25	1.9
20 centavos	3.0	95% copper, 3% zinc, 2% tin	21	1.3
10 centavos	2.0	do	18	1.2

*Serrated edges, all commemorative, except the 50 and 10 escudos, which had lettered edges.

PORTUGUESE EAST AFRICA—See Mozambique**PORTUGUESE MACAO—See Macao****PORTUGUESE TIMOR**

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 escudos.....		9.00	75% copper, 25% nickel.....	28.00	2.00
5 escudos.....		7.00	do.....	24.50	2.00
2½ escudos.....		3.50	do.....	20.00	1.60
1 escudo.....		8.00	95% copper, 3% zinc, 2% tin.	22.80	2.10
50 centavos.....		4.00	do.....	20.00	1.70
20 centavos.....		2.50	do.....	22.00	1.30
10 centavos.....		2.00	do.....	18.00	1.10
Total.....					

*Serrated edges: 10, 5, and 2½ escudos. Smooth edges: 1 escudo, 50, 20, and 10 centavo pieces.

PORTUGUESE WEST AFRICA (ANGOLA)—See Angola**PORTUGUESE WEST AFRICA (CAPE VERDE)—See Cape Verde****PORTUGUESE WEST AFRICA (GUINEA)—See Guinea-Bissau**

PORTUGUESE WEST AFRICA (SAN TOME AND PRINCIPE)—*See* Sao Tome and Principe

QATAR

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 dirhams	2,000,000	6.50	75% copper, 25% nickel	25	n.a.
25 dirhams		3.50	do.....	20	1.32
10 dirhams		7.50	97% copper, 2.5% zinc, 0.5% tin.	27	n.a.
5 dirhams	1,000,000	3.75	do.....	22	1.37
1 dirham		1.50	do.....	15	n.a.
Total.....	3,000,000				

¹ 1978 coinage was struck at mints in the United Kingdom and dated 1978.

*Milled edges: 50, 25, and 10 dirhams. Smooth edges: 5 and 1 dirham coins.

n.a. Not available.

RAS AL KHAIMA—*See* United Arab Emirates

REUNION

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 francs		8.5	Pure nickel	26.5	n.a.
50 francs		6.0	92% copper, 6% aluminum, 2% nickel.	24.0	n.a.
Do		6.0	Pure nickel	24.0	n.a.
20 francs		4.0	92% copper, 6% aluminum, 2% nickel.	23.5	n.a.
Do		4.0	91% copper, 9% aluminum	23.5	n.a.
10 francs		3.0	do.....	20.0	n.a.
Do		3.0	92% copper, 6% aluminum, 2% nickel.	20.0	n.a.
5 francs		3.5	95% aluminum, 5% magnesium	31.0	n.a.
2 francs		2.2	do.....	27.0	n.a.
1 franc		1.3	do.....	23.0	n.a.
Total					

*Reeded edges: 100 and 50 francs. Smooth edges: All others.

n.a. Not available.

RHODESIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 cents		n.a.	75% copper, 25% nickel	n.a.	n.a.
20 cents		n.a.	do.....	n.a.	n.a.
10 cents	3,000,000	5.65	do.....	23.59	1.85
5 cents	5,000,000	2.83	do.....	19.40	1.51
2½ cents		1.40	do.....	16.30	.99
1 cent	20,000,000	4.00	95% copper, 4.5% zinc, 0.5% tin.	22.45	1.64
½ cent	5,000,000	3.00	do.....	20.22	1.52
Total	33,000,000				

¹ The 1978 coinage was made by the South African Mint and dated 1978.

*Smooth edges on the 2½, 1, and ½ cent coins; reeded edges on all other coins.

n.a. Not available.

ROMANIA, SOCIALIST REPUBLIC OF

Denominaton	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
3 lei	n.a.	6.25	Nickel-clad steel	27.02	1.74
1 leu	n.a.	4.98	do.....	24.61	1.59
25 bani	n.a.	3.40	do.....	22.00	1.39
15 bani	n.a.	2.89	do.....	18.49	1.49
5 bani	n.a.	1.76	do.....	15.98	1.41
Total	n.a.				

*Smooth edges: All denominations.

n.a. Not available.

RWANDA, REPUBLIC OF

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 francs		18.00	800 silver, 200 copper	32.00	2.60
50 francs		15.00	75% copper, 25% nickel	28.50	n.a.
Do		9.50	92% copper, 6% aluminum, 2% nickel	28.50	n.a.
20 francs		8.00	do	27.00	n.a.
Do		8.00	75% copper, 25% nickel	27.00	n.a.
10 francs		10.50	do	30.00	2.00
5 francs		5.00	95% copper, 3% tin, 2% zinc	25.50	1.50
Do		5.00	97% copper, 2.5% zinc, 0.5% tin	25.50	2.00
2 francs (16 scallops)		1.50	Aluminum alloy	23.50	1.63
1 franc		3.00	75% copper, 25% nickel	21.00	1.20
Do		1.10	Aluminum with 2.8%-4% magnesium	21.00	1.45
½ franc		.70	Aluminum alloy	16.00	1.63
Total					

*Reeded edge: 200, 50, and 20 francs. Smooth edges: 10, 5, 2, 1, and ½ franc coins.
n.a. Not available.

SAN MARINO

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1000 lire	130,000	14.60	"Argento" (835 silver, 165 copper)	34.40	2.04
500 lire	130,000	11.00	do	29.00	2.10
200 lire	530,000	5.00	"Bronzital" (92% copper, 6% aluminum, 2% nickel)	24.00	1.65
100 lire	875,000	8.00	"Acmonital" (Steel containing 18% chrome)	27.80	2.00
50 lire	130,000	6.25	do	24.80	2.00
20 lire	130,000	3.60	"Bronzital" (92% copper, 6% aluminum, 2% nickel)	21.30	1.50
10 lire	130,000	1.60	"Italma" (96.2% aluminum, 3.5% magnesium, 0.3% manganese)	23.30	1.65
5 lire	130,000	1.00	do	20.20	1.50
2 lire	130,000	.80	do	18.30	1.45
1 lira	130,000	.625	do	17.20	1.20
Total	2,445,000				

¹ 1978 coinage, produced by the Italian Government Mint, bore 1978.

In addition, the following numismatic coins composed of 917 parts gold were struck:

Denomination	Number of pieces 1977	Gross weight Grams	Diameter mm.	Thickness mm.
5 scudi	16,000	15.00	28.00	1.04
2 scudi	34,000	6.00	21.00	1.00
1 scudo	35,000	3.00	16.00	.80

These coins had reeded edges.

*Lettered edge: 1,000, 500 lire. Reeded edges: 100, 50, and 2 lire. Smooth edges: 20, 10, 5, and 1 lire coins.

NOTE.—San Marino is the world's smallest republic, covering 24 square miles on three mountain peaks in Apennines mountains of northern Italy. It was founded about the fourth century. Italian coins also circulate.

SAO TOME AND PRINCIPE, DEMOCRATIC REPUBLIC OF

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 escudos.....		12.0	Pure nickel.....	30.0	2.12
10 escudos.....		12.5	720 silver, 280 copper.....	30.0	1.70
Do		9.0	75% copper, 25% nickel.....	28.0	2.00
5 escudos.....		7.0	650 silver, 350 copper.....	25.0	1.40
Do		7.0	75% copper, 25% nickel.....	24.5	1.90
2½ escudos.....		3.5	650 silver, 350 copper.....	20.0	1.40
Do		3.5	75% copper, 25% nickel.....	20.0	1.30
1 escudo.....		8.0	95% copper, 3% zinc, 2% tin.	26.0	1.80
Do		8.0	61% copper, 20% zinc, 19% nickel.	26.8	1.60
50 centavos.....		4.5	95% copper, 3% zinc, 2% tin.	22.5	1.40
Do		4.5	61% copper, 20% zinc, 19% nickel.	22.8	1.30
20 centavos.....		1.8	95% copper, 3% zinc, 2% tin.	16.0	1.20
10 centavos.....		1.8	...do.....	16.0	1.10
Do		.6	97.5% aluminum, 2.5% magnesium.	16.0	1.30
Total.....					

*Serrated edges: 20, 10, 5, and 2½ escudos. Smooth edges: 1 escudo, 50, 20, and 10 centavos.

NOTE.—The Democratic Republic of Sao Tome and Principe became independent on July 12, 1975.

SAUDI ARABIA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 riyal ²	250,000	10.00	75% copper, 25% nickel.....	30.00	n.a.
4 girsh.....		11.90	do.....	30.00	2.18
2 girsh.....		6.10	do.....	26.80	1.20
1 girsh.....		3.00	do.....	22.00	1.22
50 halala.....	20,000,000	6.50	do.....	26.00	1.52
25 halala.....	20,000,000	5.00	do.....	23.00	1.60
10 halala.....	50,000,000	4.00	do.....	21.00	1.60
5 halala.....	20,000,000	2.50	do.....	19.50	1.50
1 halala.....	500,000	2.50	95% copper, 4% tin, 1% nickel.	19.00	n.a.
Total.....	110,750,000				

¹ 1978 coinage, produced by mints in the United Kingdom, was dated 1977-1397, except for the 1 riyal coins and 1 million of the 5 and 1 halala pieces, which were dated 1978-1398.

² Issued in November 1978 in connection with the FAO coin plan.

*Milled edges: All denominations.

n.a. Not available.

NOTE.—There are 20 girsh in one riyal, and 5 halala in one girsh. There are several Anglicized spellings of the Arabic units.

SENEGAL, REPUBLIC OF—See West African Monetary Union

SEYCHELLES

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,500 rupees.....	880	33.44	900 gold, 100 silver.....	34.00	2.49
1,000 rupees.....		15.98	916 gold.....	28.40	n.a.
100 rupees.....	8,580	35.00	925 silver.....	42.00	2.87
50 rupees.....	8,500	28.28	do.....	38.61	2.87
10 rupees.....		18.14	do.....	34.50	n.a.
Do.....		18.14	75% copper, 25% nickel.....	34.50	n.a.
5 rupees.....		15.00	925 silver.....	30.00	n.a.
Do.....		13.50	75% copper, 25% nickel.....	30.00	n.a.
1 rupee.....		11.67	do.....	30.00	1.88
50 cents.....		5.83	do.....	23.60	1.52
25 cents.....		2.92	do.....	19.00	1.65
10 cents.....		6.16	79% copper, 20% zinc, 1% nickel.	(²)	2.08
5 cents.....		.78	Aluminum alloy.....	(²)	1.70
2 cents.....		3.89	do.....	23.10	n.a.
1 cent.....		.70	do.....	16.00	.91
Total.....	17,960				

¹ 1978 coinage, produced by mints in the United Kingdom, was dated 1978. 250 of the 1,500 rupees, 4,500 of the 100 rupees, and 4,000 of the 50 rupees were proof.

² The 12-sided 10-cent coin is 21.1 mm. across flats and 21.9 mm. diagonally.

³ 8 scallops with inner diameter 17.02 mm. and outer diameter 18.42 mm.

*Milled edges: 1,000, 100, 50, 10, and 1 rupee, 50, and 25 cents. Smooth edges: 5 rupees, 10, 5, 2, and 1 cents.

n.a. Not available.

NOTE.—Seychelles gained full independence on June 29, 1976.

SIERRA LEONE

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 leone		57.60	916 gold	38.60	n.a.
2 leone		13.50	75% copper, 25% nickel	30.00	n.a.
1 leone		50.61	916 gold	38.60	n.a.
Do		28.28	75% copper, 25% nickel	38.60	n.a.
Do		28.28	925 silver	38.60	n.a.
50 cents		11.66	75% copper, 25% nickel	30.00	n.a.
20 cents	500,000	8.23	do	22.92	1.64
10 cents	200,000	4.92	do	22.86	1.36
5 cents		2.49	do	17.78	1.14
1 cent		5.67	97% copper, 2.5% zinc, 0.5% tin	25.48	1.23
½ cent		2.84	do	20.19	.99
Total	700,000				

¹ 1978 coinage was made by mints in the United Kingdom, dated 1978.

n.a. Not available.

*Milled edges: 10 and 1 leones, 50, 20, 10, and 5 cents. Smooth edges: 1 cent and ½ cent.

SINGAPORE

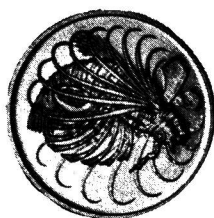
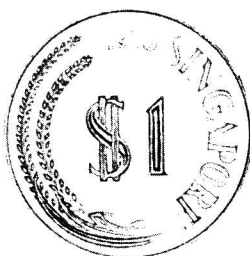
Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 dollars		34.72	900 gold, 100 copper	34.50	2.60
250 dollars		17.63	do	28.42	2.24
150 dollars ²		24.88	916.7 gold, 83.3 copper	30.48	1.98
100 dollars		6.00	900 gold, 100 copper	19.40	1.55
10 dollars		31.10	900 silver, 100 copper	40.11	2.34
Do ³	177,000	31.10	500 silver, 400 copper, 50 nickel, 50 zinc	40.11	2.34
5 dollars		25.05	do	38.00	2.30
1 dollar	10,000	18.05	925 silver, 75 copper	33.32	2.34
Do	196,000	16.85	75% copper, 25% nickel	33.32	2.39
50 cents	9,945,000	9.33	do	27.76	2.03
20 cents	14,563,000	5.66	do	23.60	1.78
10 cents	17,022,000	2.83	do	19.41	1.40
5 cents	12,068,000	1.41	do	16.26	1.02
1 cent	11,990,000	1.74	90% steel, copper clad	17.78	1.12
Total	65,971,000				

¹ 1978 coinage by the Singapore Mint, Chartered Industries of Singapore Ltd. The \$10 and silver \$1 coins were dated 1978. The cupronickel 50 cent through 5-cent pieces bore the year 1978, 1979, or 1980. The \$1 and 1 cent coins were partially dated 1978 and partially 1979. Production included 55,000 uncirculated and 4,000 proof sets (consisting of one coin of each denomination \$1-1cent) dated 1978.

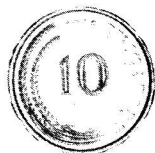
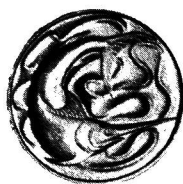
² Coin minted in 1969 added to list at request of Board of Commissioners of Currency, Singapore, Jan. 2, 1979.

³ Consists of 167,000 uncirculated and 10,000 proof coins dated 1978, featuring a Telecommunications design.

* Milled edges: \$500, \$250, \$150, \$100, \$10, \$5, \$1, 50, 20, 10, and 5 cent coins. Smooth edges: 1 cent.



Coinage of Singapore



Coinage of Singapore

SOLOMON ISLANDS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dollar ² .....	.....	13.50	75% copper, 25% nickel	30.00	n.a.
20 cents	293,000	11.31	do.....	28.50	n.a.
10 cents .....	.....	5.66	do.....	23.60	n.a.
5 cents .....	.....	2.83	do.....	23.60	n.a.
2 cents .....	.....	5.18	97% copper, 2.5% zinc, 0.5% tin.	21.59	n.a.
1 cent .....	.....	2.59	do.....	17.53	n.a.
Total	293,000				

¹ 1978 coinage, manufactured by mints in the United Kingdom, was dated 1978.

² 7-sided coin.

*Reeded edges: 20, 10, and 5 cents. Smooth edges: 1 dollar, 2, and 1 cent coins.

n.a. Not available.

NOTE—First distinctive coinage for the Solomon Islands. The Solomon Islands dollar is equal in value to the Australian dollar. The Islands became internally self-governing on Jan. 2, 1976, and fully independent on July 7, 1978.

SOMALI REPUBLIC

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 shillin		6.20	75% copper, 25% nickel.....	25.50	n.a.
50 senti		3.80	do.....	21.10	n.a.
10 senti ¹		1.40	Aluminum	22.50	n.a.
5 senti ¹		.90	do.....	19.05	n.a.
Total					

¹ 12-sided coins.
*Reeded edges: 1 shillin and 50 senti. Smooth edges: 10 and 5 senti.
n.a. Not available.

SOUTH AFRICA, REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Krugerrand ²	6,106,980	33.93	916½ gold, 83½ copper.....	32.69	2.79
2 rand ³	230,200	7.99	do.....	22.17	1.57
1 rand ³	53,251	3.99	do.....	19.48	1.07
Do ⁴	17,000	15.00	800 silver, 200 copper.....	32.69	1.80
Do ⁴	12,020,515	12.00	Pure nickel.....	31.00	2.22
50 cents ⁴	5,088,029	9.50	do.....	27.84	1.75
20 cents ⁴	10,067,539	6.00	do.....	24.21	1.47
10 cents ⁴	25,026,000	4.00	do.....	20.70	1.35
5 cents ⁴	30,068,976	2.50	do.....	17.35	1.22
2 cents ⁴	50,544,000	4.00	95% copper, 4.5% zinc, 0.5% tin.....	22.45	1.14
1 cent ⁴	70,169,000	3.00	do.....	19.05	1.19
½ cent ⁴	10,033,000	2.00	do.....	16.30	1.12
Total.....	219,424,490				

¹ Made by South African Mint, Pretoria and dated 1978, except for 4,409,488 of the 5-cent pieces which were dated 1977.

² Includes 10,000 proof coins.

³ Includes 19,000 proof coins.

⁴ Includes 17,000 proof coins.

*Reeded edges: Krugerrand, 2 and 1 rand and 2, 1, and ½ cent coins. Smooth edges: All other denominations.

NOTE.—The monetary unit, the rand, is divided into 100 cents, and is equal to 10 shillings or one-half pound. South African coins circulate in Botswana, Lesotho, South West Africa, and Swaziland.

SOUTH WEST AFRICA—Coins of the Republic of South Africa circulate in South West Africa

SPAIN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 pesetas.....	.....	19.00	800 silver, 200 copper.....	34.00	2.08
Do.....	.....	17.00	75% copper, 25% nickel.....	34.00	2.38
50 pesetas.....	17,000,000	12.50	do.....	30.00	2.25
25 pesetas.....	98,000,000	8.50	do.....	26.50	2.08
5 pesetas ²	414,000,000	5.75	do.....	23.00	1.85
2½ pesetas.....	.....	7.00	90% copper, 10% aluminum...	25.00	1.87
1 peseta ³	604,000,000	3.50	92% copper, 6% aluminum, 2% nickel.....	21.00	1.55
50 centimos.....	.....	1.00	96.5% aluminum, 3.5% magnesium.....	20.00	1.25
10 centimos.....	.....	.75	do.....	17.30	1.19
Total.....	1,133,000,000				

¹ The 1978 coinage, made at the Spanish Government Mint, except as indicated for the 5 and 1 peseta coins. The year 1975 is engraved on all coins and 1978 is microengraved in the stars next to the denominations.

² Includes 95 million coins produced by the Royal Canadian Mint and 60 million manufactured by mints in the Federal Republic of Germany.

³ Includes 140 million coins manufactured by the Chilean Government Mint and 80 million struck by the mints in the United Kingdom.

*Lettered edges: 100, 50, and 25 pesetas. Serrated edges: 5, 2½, and 1 peseta; 50 and 10 centimos.

SRI LANKA

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 rupees (10 sided)		13.60	Pure nickel	31.91	n.a.
2 rupees (7 sided)		13.50	75% copper, 25% nickel	30.00	n.a.
1 rupee	11,006,900	7.13	do.....	25.40	1.60
50 cents	13,203,450	5.51	do.....	21.46	1.93
25 cents	19,003,450	3.24	do.....	18.03	1.60
10 cents (8 scallops)	8,253,450	1.30	Aluminum	(?)	1.27
5 cents (square)	13,803,450	1.00	do.....	(?)	1.22
2 cents (8 scallops)	21,003,450	.78	Aluminum with 2.8%-4% nickel.	(?)	n.a.
1 cent	18,778,450	.70	do.....	16.00	1.32
Total	105,052,600				

¹ 1978 coinage was produced by mints in the United Kingdom. The 2 and 1 cent coins were dated 1975, while the other pieces bore 1978.

² Diameter 23.11 mm. across and 20.96 mm. inside scallops.

³ Square with round corners, 21.46 mm. diagonally and 18.24 mm. across.

⁴ Diameter 18.42 mm. across and 17.02 mm. inside scallops.

* Security edges: 1 rupee, 50 and 25 cents. Smooth edges: 5 and 2 rupees, 10, 5, 2, and 1 cent coins.

n.a. Not available.

NOTE.—Name of country changed from Ceylon to Sri Lanka on May 22, 1972.

ST. LUCIA AND ST. VINCENT—See Caribbean Territories, Eastern Group

SUDAN, REPUBLIC OF THE

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 pounds		33.44	900 gold, 100 silver	38.60	2.49
5 pounds ²	1,286	35.00	925 silver, 75 copper	42.00	2.87
2½ pounds ²	1,190	28.28	do.....	38.61	2.75
50 piastres		22.45	75% copper, 25% nickel	40.00	2.10
25 piastres		15.50	do.....	32.00	2.10
10 piastres	6,380,000	10.00	do.....	27.70	1.89
5 piastres	5,040,000	5.00	do.....	23.60	1.30
2 piastres	1,750,000	3.00	do.....	20.00	.95
10 millimes	3,270,000	5.00	72% copper, 28% zinc	(?)	1.15
5 millimes	5,000,000	3.24	do.....	21.20	1.10
2 millimes		3.20	95% copper, 4% tin, 1% zinc.	(?)	1.10
1 millieme		1.79	do.....	16.00	1.00
Total	21,442,476				

¹ 1978 coinage for general issue was manufactured by the Sudan Mint, except for 2.5 million of the 10 and 5 piastre coins, dated 1977, which were made by mints in the United Kingdom. Coins were dated as follows:

	1975	1976	1977	1978
10 piastres	1,000,000	2,840,000	2,500,000	40,000
5 piastres	1,600,000	440,000	2,500,000	500,000
2 piastres	1,000,000			750,000
10 millimes	2,000,000			1,270,000
5 millimes	2,000,000			3,000,000

All 1978 coins were FAO coins.

² Produced by mints in the United Kingdom, dated 1976, and believed to be part of the World Wildlife Conservation series. 16 of the £ 5 and 20 of the £ 2½ were proofs.

³ Twelve scallops, measuring 25.5 mm. across scallops, 24.3 mm. inside scallops.

⁴ Twelve scallops, measuring 20.2 mm. across scallops, 19.4 mm. inside scallops.

* Milled edges: 50, 25, 10, 5, and 2 piastre coins. Smooth edges: 10, 5, 2, and 1 millieme coins.

SURINAME

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 guilders		6.72	900 gold, 100 copper	22.50	1.30
25 guilders		26.00	925 silver, 75 copper	38.00	2.70
10 guilders		16.00	do	33.00	2.20
25 cents		3.50	75% copper, 25% nickel	20.00	1.50
10 cents	2,000,000	2.00	do	16.00	1.40
5 cents ²	3,000,000	1.20	97.25% aluminum, 2.5% magne- sium, 0.25% chrome.	18.00	1.75
1 cent	6,000,000	.80	do	18.00	1.60
Total	11,000,000				

¹ 1978 coinage, manufactured by the Netherlands Government Mint, was dated 1978.

² Square coin with rounded corners.

*Reeded edges: 100 guilders, 25, and 10 cents. Smooth edges: 5 and 1 cent coins. Lettered edges: 25 and 10 guilders.

Previous issues of coins of Suriname also outstanding in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 guilder	10.00	720 silver, 280 copper	28.00	2.00
25 cents	3.60	640 silver, 360 copper	19.00	1.70
10 cents	1.40	do	15.00	1.10
5 cents (square, rounded corners) ...	4.20	64% copper, 21% zinc, 15% nickel	(¹)	1.80
Do	4.00	79% copper, 20% zinc, 1% nickel	(¹)	1.80
1 cent	2.50	94% copper, 1% tin, 5% zinc	19.00	1.40
Do	2.50	95% copper, 4% tin, 1% zinc	19.00	1.40
Do	2.50	70% copper, 30% zinc	19.00	1.40

¹ Across flats, 18 mm. Across corners, 21.3 mm.

*Lettered edge: 1 guilder. Milled edges: 25 and 10 cents. Smooth edge: 1 cent.

SWAZILAND

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 lilangeni		11.66	75% copper, 25% nickel	30.00	n.a.
Luhlanga		n.a.	800 silver, 200 copper	32.50	n.a.
50 cents		8.76	75% copper, 25% nickel	28.50	n.a.
20 cents		5.55	do	25.20	n.a.
10 cents		3.63	do	22.00	n.a.
5 cents		2.11	do	18.50	n.a.
2 cents		2.79	97% copper, 2.5% zinc, 0.5% tin.	18.60	n.a.
1 cent		2.05	do	17.78	n.a.
Total					

*Reeded edge: 1 lilangeni. Smooth edges: All other denominations.

n.a. Not available.

NOTE.—Coins of South Africa circulate in Swaziland.



Coinage of Suriname

SWEDEN

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 kronor.....		8.07	830 silver, 170 copper.....	32.00	2.20
5 kronor.....		18.00	400 silver, 500 copper, 50 nickel, 50 zinc.	34.00	2.58
Do	5,164,936	9.50	Clad coin: Outer layers 75% copper, 25% nickel bonded to a core of pure nickel.	28.50	2.00
2 kronor.....		13.30	75% copper, 25% nickel.....	31.00	2.42
1 krona.....	81,845,354	7.00	Clad coin. Outer layers 75% copper, 25% nickel, bonded to a core 97% copper, 3% nickel.	25.00	1.88
50 ore	31,303,913	4.50	75% copper, 25% nickel.....	22.00	1.61
25 ore	53,228,075	2.18	do.....	17.00	1.36
10 ore	76,517,807	1.44	do.....	15.00	1.14
5 ore		8.00	95% copper, 4% tin, 1% zinc.	27.00	1.93
Do	46,610,946	2.68	do.....	18.00	1.44
2 ore		4.00	do.....	21.00	1.61
1 ore		2.00	do.....	16.00	1.39
Total.....	294,671,031				

¹ The 1978 coinage was made by the Government Mint of Sweden. Coins were dated as follows:

	1977	1978
5 kronor	1,520,000	3,644,936
1 kronor	6,152,132	75,693,222
50 ore	1,111,110	30,192,803
25 ore	917,493	52,310,582
10 ore	4,515,707	72,002,100
5 ore	2,243,829	44,367,117

*Reeded edges: 2 kronor and 1 krona. Smooth edges: Clad 5 kronor, 50, 25, 10, 5, 2, and 1 ore coins. Lettered edge: Silver 5 kronor coin.

Previous issues of Swedish coins also outstanding in 1978

Denomination and type of edge	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 kronor (smooth).....	27.00	925 silver, 75 copper.....	36	3.00
5 kronor (reeded).....	25.00	900 silver, 100 copper	36	2.80
5 kronor (smooth).....	22.88	400 silver, 500 copper, 50 nickel, 50 zinc.	36	2.80
2 kronor (smooth).....	15.00	800 silver, 200 copper	31	2.44
Do	14.00	400 silver, 500 copper, 50 nickel, 50 zinc.	31	2.42
1 krona (smooth).....	7.50	800 silver, 200 copper	25	1.91
Do	7.00	400 silver, 500 copper, 50 nickel, 50 zinc.	25	1.88
50 ore (smooth).....	5.00	600 silver, 400 copper	22	1.71
Do	4.80	400 silver, 500 copper, 50 nickel, 50 zinc.	22	1.61
50 ore (reeded)	4.80	75% copper, 25% nickel	22	1.80
25 ore (smooth).....	2.42	600 silver, 400 copper	17	1.43
Do	2.32	400 silver, 500 copper, 50 nickel, 50 zinc.	17	1.36
25 ore (reeded)	2.40	75% copper, 25% nickel	17	1.46
10 ore (smooth).....	1.45	400 silver, 600 copper	15	1.14
Do	1.44	400 silver, 500 copper, 50 nickel, 50 zinc.	15	1.14
10 ore (reeded)	1.50	75% copper, 25% nickel	15	1.21

*See denomination column.



Coinage of Switzerland

SWITZERLAND

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 francs ²	5,374,000	13.2	75% copper, 25% nickel	31	2.55
2 francs	12,812,000	8.8	do.....	27	2.15
1 franc	13,548,000	4.4	do.....	23	1.60
½ franc	20,818,000	2.2	do.....	18	1.35
20 centimes	14,815,000	4.0	do.....	21	1.80
10 centimes	19,957,500	3.0	do.....	19	1.50
5 centimes	16,415,000	2.0	do.....	17	1.30
1 centime	2,010,000	1.5	do.....	16	1.15
Total	105,749,500				

¹ 1978 coinage made by Swiss Federal Mint, bore the year 1978.

² Includes coins honoring the 150th anniversary of Henry Dunant, Swiss philanthropist and founder of the Red Cross.

* Lettered edge: 5 francs. Reeded edges: 2 francs, 1, and ½ franc. Smooth edges: 20, 10, 5, and 1 centime coins.

Previous issues of Swiss coins outstanding in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 centimes	4.00	Pure nickel	21	1.80
10 centimes	3.00	do.....	19	1.50
5 centimes	2.00	do.....	17	1.30

* Smooth edges: 20, 10, and 5 centimes.

SYRIAN ARAB REPUBLIC

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 pound		7.50	Pure nickel	27.00	1.50
50 piastres		5.00	do.....	23.50	n.a.
25 piastres		3.50	do.....	20.30	n.a.
10 piastres		4.00	Brass	21.00	n.a.
5 piastres		4.20	70% copper, 30% zinc	19.00	1.50
Do		3.00	Brass	19.00	n.a.
Total					

n.a. Not available.

* Reeded edges: All denominations.

NOTE—Syria reported 1978 production of two editions of 900-fine gold coins by the French Government Mint. The coins of unspecified denominations commemorated the reelection of Hafiz-Al-Assad, President of Syria. 5,000 of the 35mm. coins, which weighed 40 grams and 20,000 of the 22mm. coins weighing 8 grams were struck.



Coinage of Switzerland

TANZANIA, UNITED REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,500 shilingi		33.44	900 gold	34.00	2.49
50 shilingi ²	100	35.00	925 silver, 75 copper	42.00	2.87
Do ³	1,000	31.65	500 silver, 500 copper	42.00	2.87
25 shilingi ²	100	28.28	925 silver, 75 copper	38.61	2.75
Do ³	1,000	25.31	500 silver, 500 copper	38.61	2.75
5 shilingi	50,000	13.60	75% copper, 25% nickel	(⁴)	n.a.
1 shilingi	2,500,000	8.00	 do	27.74	n.a.
50 senti		4.00	 do	20.96	n.a.
20 senti	5,000,000	5.00	79% copper, 20% zinc, 1% nickel.	24.00	n.a.
10 senti ⁴	10,000,000	5.00	 do	25.00	n.a.
5 senti	10,000,000	4.00	 do	22.48	n.a.
Total	27,552,200				

¹ 1978 coinage by mints in the United Kingdom. The 5 shilingi were dated 1978. The remaining coins were dated 1977.

² Part of World Wildlife conservation series, calling attention to endangered species of wildlife. Coins were dated 1974.

The 925 fine coins were proof.

³ 10-sided coin alternate milled and plain sides, measuring 31.4 mm. across flats and 33 mm. across corners.

⁴ Coin has 10 scallops.

*Milled edges: 1,500, 50, 25, and 1 shilingi; 50 senti. Smooth edges: 20, 10, and 5 senti.

n.a. Not available.

THAILAND

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Regular:					
5 baht.....	24,320,000	12.00	3-layer composite: outer cladding, 75% copper, 25% nickel, bonded to a pure copper core.	27.00	n.a.
Do.....		9.00	75% copper, 25% nickel.....	27.00	n.a.
1 baht.....	105,220,000	7.00	do.....	25.00	1.51
50 stangs.....	6,180,000	4.50	91% copper, 9% aluminum....	23.00	1.48
25 stangs.....		2.50	do.....	20.50	1.20
Do.....	33,696,000	2.80	65% copper, 35% zinc.....	20.50	n.a.
10 stangs.....	890,000	1.75	91% copper, 9% aluminum....	17.50	1.16
5 stangs.....	780,000	1.25	do.....	15.00	1.10
1 stang.....	210,000	1.20	90% tin, 10% copper.....	15.00	.98
Subtotal.....	171,296,000				
Commemorative:					
5,000 baht ²	1,400	30.00	900 gold, 30 silver, 70 copper.	30.00	n.a.
3,000 baht ³	10,000	15.00	do.....	26.00	n.a.
2,500 baht.....		33.43	900 gold, .....silver	34.00	2.49
Do ⁴	5,000	15.00	900 gold, 30 silver, 70 copper.	25.00	n.a.
800 baht.....		20.00	do.....	30.00	1.75
400 baht.....		10.00	do.....	23.00	1.50
150 baht ⁵	110,000	22.00	925 silver, 75 copper.....	35.00	n.a.
100 baht ⁶	100	35.00	925 silver.....	42.00	2.87
Do ⁶	1,250	31.65	500 silver, 500 copper.....	42.00	2.87
Do.....		25.00	900 silver, 100 copper.....	38.00	n.a.
50 baht.....		25.00	do.....	40.00	2.05
Do.....		25.00	400 silver, 500 copper, 100 nickel.	38.00	n.a.
Do ⁶	100	28.28	925 silver.....	38.61	2.75
Do ⁶	1,250	25.31	500 silver, 500 copper.....	38.61	2.75
10 baht.....		5.00	800 silver, 200 copper.....	20.50	1.60
Do.....		15.00	Pure nickel.....	32.00	n.a.
5 baht ⁷	1,597,000	12.00	3-layer composite: outer cladding 75% copper, 25% nickel, bonded to a pure copper core.	27.00	n.a.
1 baht.....		7.50	75% copper, 25% nickel.....	27.00	1.51
Do ⁸	13,350,000	7.00	do.....	25.00	n.a.
Subtotal.....	15,076,100				
Grand total...	186,372,100				

¹ Coinage was made by the Royal Mint of Thailand, except as noted in footnote 6. Dates on regular issue coins are: 50, 10, and 5 stangs, B.E. 2500 (1957); 1 stang coins B.E. 2485 (1942); clad 5 baht, 1 baht, and copper-zinc 25 stangs B.E. 2520 (1977).

² Commemorates the 50th birthday of King Bhumibol Adulyadej, dated B.E. 2520

³ Commemorates the graduation of the Crown Prince from the Army Staff College, dated B.E. 2521.

⁴ Commemorates the ceremony conferring upon HRH Princess Sirindhorn the Royal Letter of "Somdech", dated B. E. 2520.

⁵ Consists of: 50,000 coins honoring the Princess' investiture, dated B.E. 2520; 50,000 honoring the Crown Prince's graduation, dated B.E. 2521; and 10,000 coins commemorating the 9th World Orchid Conference in Bangkok in 1978, dated B.E. 2521.

⁶ Part of the World Wildlife Conservation series produced by mints in the United Kingdom, bearing the date 1975. The 925 fine 100 and 50 baht coins were proof.

⁷ Consists of 500,000 coins commemorating the occasion of the 8th Asian Games in Bangkok, dated B.E. 2521 and the balance, dated B. E. 2520, honored the King's 50th birthday.

⁸ Consists of 3,350,000 coins recognizing the 8th Asian Games, 5 million coins honoring the Princess' investiture, and 5 million honoring the Crown Prince's graduation.

*Reeded edges: All denominations, except the 900 silver 100 baht, 400 silver 50 baht, cupronickel 5 baht and copper-zinc 25 stangs coins which have smooth edges, and the clad 5 baht coins which have lettered edges.

n.a. Not available.

TONGA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins:					
100 pa'anga		20.00	917 gold, 83 copper	30.00	1.85
75 pa'anga		15.00	 do	26.00	1.85
50 pa'anga		10.00	 do	23.50	1.50
25 pa'anga		5.00	 do	20.00	1.00
20 pa'anga		140.00	Pure silver	62.00	5.25
10 pa'anga		62.00	 do	50.50	3.50
5 pa'anga		31.00	 do	38.80	3.00
2 pa'anga	750	38.00	 do	45.05	2.75
1 pa'anga	750	19.00	 do	(?)	1.90
Subtotal	1,500				
Regular issue:					
2 pa'anga	10,000	32.40	75% copper, 25% nickel	45.01	2.75
1 pa'anga		23.98	 do	38.74	2.72
Do	10,000	16.20	 do	(?)	1.90
50 senti ³		14.58	 do	31.65	2.64
20 senti		11.31	 do	28.54	2.41
10 senti		5.66	 do	23.60	1.90
5 senti		2.83	 do	19.41	1.45
2 senti		3.89	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 senti		1.75	 do	17.53	1.14
Subtotal	20,000				
Total	21,500				

¹ Coins were produced by the Royal Australian Mint, and dated 1978. Believed to be FAO food plan coins.

² Rectangular coin measuring 47mm. by 27mm.

³ 12 sided.

*Milled edges: Commemorative coins except 1 pa'anga; 2 p'anga, 20, 10, and 5 senti. Smooth edges: 1 Pa'anga, 50 senti.

TRINIDAD AND TOBAGO

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 dollars ²	200	35.12	925 silver	42.00	2.89
Do	800	35.12	75% copper, 25% nickel	42.00	2.89
5 dollars ²	200	29.81	925 silver	40.00	2.31
Do	950	29.81	75% copper, 25% nickel	40.00	2.31
1 dollar	2,150	18.37	 do	36.00	n.a.
50 cents	566,650	7.07	 do	26.00	1.85
25 cents	7,276,650	3.53	 do	20.00	1.63
10 cents	16,015,650	1.41	 do	16.26	1.02
5 cents	1,530,650	3.24	97% copper, 2.5% zinc, 0.5% tin.	21.21	1.35
1 cent	22,150,650	1.94	 do	17.78	1.14
Total	47,544,550				

¹ 1978 coinage was made for Trinidad and Tobago by the United Kingdom and The Franklin Mint and was dated 1978, except for 1.8 million 25-cent pieces, 6 million 10-cent pieces, and 9.5 million 1-cent coins, which bore 1977. Production included 650 proof sets (denominations \$10-1 cent). Denominations from \$10 through \$1 produced by Franklin Mint; production of other denominations was allocated as shown below:

	Royal Mint	Franklin Mint
50 cents	563,000	3,600
25 cents	7,270,000	6,650
10 cents	16,000,000	15,650
5 cents	1,500,000	30,650
1 cent	22,000,000	150,650

² Proof coins.

*Milled edges: \$10, \$5, \$1, 50, 25, and 10 cents. Smooth edges: 5 and 1 cent pieces.

n.a. Not available.

TUNISIA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 dinars		18.81	900 gold	28.00	n.a.
5 dinars		24.00	680 silver	35.00	n.a.
1 dinar		18.00	680 silver, 320 copper	32.00	n.a.
Do		7.50	Mixed metals ¹	27.00	n.a.
½ dinar		6.00	do	25.00	n.a.
Do		12.00	Pure nickel	29.00	n.a.
100 millimes		7.50	69% to 72% copper, 31% to 28% zinc	27.00	n.a.
50 millimes		6.00	do	25.00	n.a.
20 millimes		4.50	do	12.00	n.a.
10 millimes		3.50	do	29.00	n.a.
5 millimes		1.50	95.35% aluminum, 4% magne- sium, 0.6% manganese, .05% copper	24.00	n.a.
2 millimes		1.00	do	21.00	n.a.
1 millime		.65	do	18.00	n.a.
Total					

¹ Alloy unknown.

*Reeded edges: All denominations except the 10 and 5 dinars which had lettered edges.

n.a. Not available.

NOTE.—The Dinar is the monetary unit, divided into 1,000 millimes.

TURKEY

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 lira ²	11,000	9.00	830 silver	30.00	1.87
150 lira ³	6,000	9.00	do	30.00	1.87
50 lira		9.00	do	30.00	n.a.
5 lira		11.00	Stainless steel (17% chrome)	32.50	1.73
2½ lira	15,737,600	9.00	do	30.00	1.64
1 lira	22,155,500	7.00	do	27.00	1.57
50 kuruş		6.00	do	22.60	1.55
25 kuruş	185,000	4.00	do	22.50	1.75
10 kuruş		1.35	Pure aluminum	21.00	1.50
5 kuruş		.90	do	17.00	1.50
1 kuruş		.40	do	14.00	1.00
Total	38,095,100				

¹ The 1978 coinage, made by the Turkish Government Mint, bears the date 1978.² Commemorates the 705th anniversary of the death of Mevlana Celaddin-i Rumi, famous Turkish philosopher and theologian. Believed to consist of 10,000 uncirculated and 1,000 proof coins.³ Commemorating World Cup Soccer Championship held in Argentina. Believed to consist of 5,000 uncirculated and 1,000 proof coins.

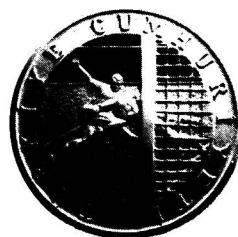
n.a. Not available.

*Incuse lettered edges: 5, 2½ liras, 1 lira, 25, and 50 kuruş. Smooth edges: 10, 5, and 1 kuruş. Reeded edge: 200, 150, and 50 lira.

Previous issues of Turkish coins also outstanding in 1978

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
25 kuruş	4.50	70% copper, 30% zinc	22.60	1.35
10 kuruş	2.75	do	18.00	1.35
5 kuruş	2.25	do	16.00	1.35

* Lettered edges.



Coinage of Turkey

TURKS AND CAICOS ISLANDS

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 crowns.....		12.44	500 gold.....	27.00	2.15
Do ²	1,657	18.01	do.....	33.00	1.98
50 crowns.....		9.00	do.....	25.00	1.70
Do.....		6.22	do.....	21.50	1.70
Do ²	1,897	55.08	925 silver.....	50.00	3.05
25 crowns ³	2,125	4.50	500 gold.....	19.00	1.52
Do ⁴	136	43.74	925 silver.....	47.00	2.86
20 crowns ²	3,907	38.88	do.....	45.00	2.79
10 crowns ³	1,370	29.81	do.....	40.00	2.82
5 crowns ³	1,370	24.30	500 silver.....	38.00	2.74
1 crown ³	1,420	19.44	75% copper, 25% nickel.....	36.00	2.08
Total.....	13,882				

¹ 1978 coinage was produced by the Royal Canadian Mint.

² Two series of 1977-dated proof coins honoring Queen Victoria and King George III, segregated as follows: 100 crowns—844 Queen Victoria, 813 King George; 50 crowns—939 honor the Queen, 958 the King; and, of the 20 crowns—1,934 honor Queen Victoria and 1,973 honor King George III.

³ This issue of proof coins was dated 1977.

⁴ Proof coins, commemorating the silver Jubilee of Queen Elizabeth II, were dated 1977.

* Security edges: All denominations.

TUVALU

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge *
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 dollars.....		15.98	916.6 gold.....	28.40	n.a.
5 dollars.....		28.28	925 silver.....	38.61	n.a.
1 dollar (9 sided).....		16.00	75% copper, 25% nickel.....	33.00	n.a.
50 cents.....		15.55	do.....	31.64	n.a.
20 cents.....		11.31	do.....	28.50	n.a.
10 cents.....		5.65	do.....	23.60	n.a.
5 cents.....		2.83	do.....	19.41	n.a.
2 cents.....		5.18	97% copper, 2.5% zinc, 0.5% tin.	21.59	n.a.
1 cent.....		2.59	do.....	17.53	n.a.
Total.....					

* Reeded edges: \$50, \$5, 50, 20, 10, and 5 cents. Smooth edges: 1 dollar, 2, and 1 cent coins.

n.a. Not available.

NOTE.—The Tuvalu monetary system is based on the Australian dollar standard. Tuvalu was formerly known as the Ellice Islands.

UGANDA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 shillings		13.50	75% copper, 25% nickel	30.0	3.00
2 shillings		11.66	do.....	30.1	2.31
1 shilling		6.67	do.....	26.0	1.80
Do		5.90	Cupronickel clad steel	26.0	n.a.
50 cents		4.50	75% copper, 25% nickel	22.0	1.78
Do		4.50	Cupronickel clad steel	22.0	n.a.
20 cents		9.72	97% copper, 2.5% zinc, 0.5% tin.	28.4	2.18
10 cents		5.05	do.....	24.0	1.57
Do		4.50	Copper clad steel	24.0	n.a.
5 cents		3.24	97% copper, 2.5% zinc, 0.5% tin.	20.2	1.52
Do		2.90	Copper clad steel	20.2	n.a.
Total					

*Milled edges: 2, and 1 shilling and 50 cents. Smooth edges: 5 shillings (7 lobes), 20, 10, and 5 cent pieces.

n.a. Not available.

UNITED ARAB EMIRATES

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 dirhams		39.94	916.6 gold, 83.4 copper	36.02	n.a.
500 dirhams		19.97	do.....	28.40	n.a.
1 dirham	2,500,000	11.31	75% copper, 25% nickel	28.50	n.a.
50 fils	1,600,000	6.50	do.....	25.00	n.a.
25 fils		3.50	do.....	20.00	n.a.
10 fils	1,600,000	7.50	97% copper, 2.5% zinc, 0.5% tin.	27.00	n.a.
5 fils		3.75	do.....	22.00	n.a.
1 fil		1.50	do.....	15.00	n.a.
Total	5,700,000				

¹ 1978 coinage was struck by mints in the United Kingdom and bore the dates 1973-1393. The reverse designs on all denominations are similar, carrying the inscription "United Arab Emirates" in Arabic above and English below.

n.a. Not available.

*Reeded edges: 1,000, 500, and 1 dirhams, and 50 fils. Smooth edge: 10 fils.

NOTE.—Federation, United Arab Emirates, consists of Abu Dhabi, Ajman, Dubai, Fujairah, Sharjah, Umm al-Qawain, and Ras al Khaima.

UNITED ARAB REPUBLIC—See Egypt, Arab Republic of

UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Decimal coins:					
50 pence ²	96,726,517	13.50	75% copper, 25% nickel	30.00	2.29
25 pence ³	194,542	28.28	925 silver	38.61	2.00
Do		28.28	75% copper, 25% nickel	38.61	2.00
10 pence	40,570,517	11.31	do	28.50	2.31
5 pence	62,214,517	5.65	do	23.60	1.73
2 pence	215,736,517	7.12	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.80
1 penny	517,960,517	3.56	do	20.32	1.52
½ penny	81,468,517	1.78	do	17.15	1.12
Subtotal ⁴	1,014,871,644				
Pound-shilling-pence coins:					
Sovereign (1 pound) ..	6,685,000	7.99	916½ gold, 83½ copper	22.05	1.63
Subtotal ⁵	6,685,000				
Maundy money: ⁶					
Fourpence	1,178	1.89	925 silver, 75 copper	17.63	1.02
Threepence	1,178	1.41	do	16.26	.94
Twopence	1,282	.94	do	13.44	.89
Penny	1,178	.47	do	11.15	.69
Subtotal	4,816				
Total	1,021,561,460				

¹ 1978 coinage was made by mints in the United Kingdom. All 10-pence coins for general circulation were dated 1977, other coins were dated as follows:

	1977	1978
50 pence	42,886,000	53,540,000
5 pence	24,114,000	37,800,000
2 pence	67,036,000	148,400,000
1 penny	276,460,000	241,200,000
½ penny	47,968,000	33,200,000

² The coin is 7-sided (an equilateral curve heptagon).

³ Proof coins: 20,486 dated 1972; 79,856 dated 1977; and, 94,200 dated 1972/77.

⁴ In addition to those segregated in footnote 1, includes proof coins of each decimal denomination, except 25 pence in quantities and dates indicated below.

<i>Coins</i>	<i>Date</i>
20,486	1972
23,099	1973
16,865	1974
20,273	1975
22,304	1976
79,856	1977
117,634	1978

⁵ Gold sovereigns were dated 1978.

⁶ Minted for special distribution of the Royal Maundy on Maundy Thursday, dated 1978.

* Plain edges: 50p, 2p, 1p, ½p, and all Maundy coins. Milled edges: 25p, 10p, and 5p. Milling of the edge of the sovereign has approximately 105 serrations, 7½ thousandths of an inch deep.

NOTE.—United Kingdom coins also circulate in: The Bahama Islands, Bermuda, the eastern group of Caribbean Territories, the Falkland Islands, Gibraltar, Guernsey, Guyana, the Isle of Man, Jamaica, Jersey, and Malta which have their own coins.

UPPER VOLTA, REPUBLIC OF—See West African Monetary Union

URUGUAY

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
New peso series: ²					
5 new pesos.....		14.50	92% copper, 6% aluminum, 2% nickel.	33.00	2.40
1 new peso ³	27,100,000	11.00	do.....	29.00	2.10
50 centésimos ³	200,000	7.00	do.....	25.00	1.80
20 centésimos ³	15,300,000	5.00	do.....	21.50	1.72
10 centésimos ³	17,250,000	3.00	do.....	18.30	1.41
5 centésimos ³	21,500,000	2.00	95% aluminum.....	22.00	2.30
2 centésimos ³	6,200,000	1.50	do.....	20.50	1.74
1 centesimo ³		1.00	do.....	18.00	1.50
Total.....	87,550,000				

¹ 1978 coinage was manufactured by the Chilean Government Mint and was dated 1978.

² The new peso, equivalent to 1,000 old pesos, was established by Uruguayan Law #14,316 and Presidential Decree #427/75 and has been in use since July 1, 1975. Coins in the old peso series are being progressively withdrawn from circulation and replaced by new coins and bills.

³ 12-sided coins.

*Smooth edges: New 1 peso, 50, 20, 10, 5, 2, and 1 centésimos. Reeded edges: Other denominations.

VATICAN CITY

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 Vatican lire.....	145,000	11.00	835 silver, 165 copper.....	29.00	2.10
200 Vatican lire.....	355,000	5.00	"Bronzital" (92% copper, 6% aluminum, 2% nickel).	24.00	1.65
100 Vatican lire.....	398,750	8.00	"Aconital" (Steel containing 18% chrome).	27.80	2.00
50 Vatican lire.....	222,500	6.25	do.....	24.80	2.00
20 Vatican lire.....	120,000	3.60	"Bronzital" (92% copper, 6% aluminum, 2% nickel).	21.30	1.50
10 Vatican lire.....	250,000	1.60	"Italma" (96.2% aluminum, 3.5% magnesium, 0.3% manganese).	23.30	1.65
5 Vatican lire.....	120,000	1.00	do.....	20.20	1.40
2 Vatican lire.....		.80	do.....	18.30	1.45
1 Vatican lira.....		.63	do.....	17.20	1.20
Total.....	1,611,250				

¹ 1978 coinage, made by the Italian Government Mint, was dated 1978.

*Lettered edge: 500 lire. Serrated edges: 200, 100, 50, and 2 lire. Smooth edges: 20, 10, 5, and 1 lira coins.

VENEZUELA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 bolivars ²	140	33.44	900 gold, 100 silver	34.00	2.49
500 bolivars		18.00	do.....	30.00	n.a.
50 bolivars ²	300	35.00	925 silver, 75 copper	42.00	2.87
Do ³	3,006	31.65	500 silver, 400 copper, 50 nickel, 50 zinc	42.00	n.a.
25 bolivars ²	3,006	25.31	do.....	38.61	2.75
Do ²	300	28.28	925 silver, 75 copper	38.61	n.a.
10 bolivars		30.00	900 silver	39.00	3.15
5 bolivars	46,700,000	15.00	Pure nickel	31.00	2.71
2 bolivars		8.50	do.....	27.00	2.00
1 bolivar	72,900,000	5.00	do.....	23.00	1.70
½ bolivar		3.50	do.....	20.00	1.40
¼ bolivar	200,000,000	1.75	do.....	17.00	0.90
12½ centimos		5.00	75% copper, 25% nickel	23.00	1.65
10 centimos		4.00	do.....	21.00	1.52
5 centimes	322,300,000	2.00	90% steel, copper clad	18.00	1.20
Total	641,906,752				

¹ The 25 centimos were produced by Vereinigte Deutsche Metallwerke and dated 1978. The 1 bolivar and 5 centimo coins, produced by mints in the United Kingdom, were dated 1977. The 5 bolivars, made by the Spanish Government Mint, were dated 1978.

² Part of the World Wildlife Conservation series drawing attention to endangered species of wildlife. Produced by mints in the United Kingdom and dated 1975. The 925 fine silver coins were proof.

*Milled edges: 1,000, 500, 50, 25, 5, 2, 1, ½, and ¼ bolivars. Smooth edges: 12½, 10, and 5 centimos. Lettered edge: 10 bolivars.

n.a. Not available.

VIETNAM

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 piastres (10 dong) ¹		5.00	90% steel nickel clad	25.50	1.27
Do		5.50	75% copper, 25% nickel	25.50	n.a.
5 piastres (5 dong) ¹		4.00	90% steel nickel clad	24.50	1.09
1 piastre (1 dong)		4.00	75% copper, 25% nickel	22.50	n.a.
50/100 piastres		3.80	96.5% aluminum, 3.5% magne- sium	31.00	n.a.
Do		3.50	95% aluminum, 5% magnesium	31.00	2.36
Do (50 xu)		3.10	Aluminum	30.00	1.62
20/100 piastre		2.20	95% aluminum, 5% magnesium	27.00	2.06
10/100 piastre		1.30	do.....	23.00	1.70
Total					

¹ Coin has eight scallops.

*Reeded edges: 10 and 1 dong coins. Smooth edge: 5 dong.

n.a. Not available.

WEST AFRICAN MONETARY UNION

[Etats de l'Afrique de L'Ouest which includes Benin, Ivory Coast, Niger, Senegal, Togo, and Upper Volta]

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 francs		25.00	900 silver, 100 copper	37.0	2.75
100 francs		7.00	Pure nickel	26.0	1.86
50 francs		5.00	75% copper, 25% nickel	22.0	1.86
25 francs		8.00	92% copper, 6% aluminum, 2% nickel	27.2	2.25
10 francs		4.00	do.	23.5	1.61
Do		4.00	91% copper, 9% aluminum	23.5	1.61
5 francs		3.00	92% copper, 6% aluminum, 2% nickel	20.0	1.61
Do		3.00	91% copper, 9% aluminum	20.0	1.61
2 francs		2.20	95% aluminum, 5% magnesium.	27.0	1.60
1 franc		1.30	do.	23.0	1.54
Do		1.65	Stainless steel	15.0	1.35
Total					

* Reeded edges: 500, 100, 50, and 25 francs. Smooth edges: 10, 5, 2, and 1 francs.

WESTERN SAMOA

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 tala ²	2,500	15.55	916.7 gold, 83.3 silver	28.50	1.80
1 tala ³	10,000	31.47	925 silver	38.74	3.05
Do		27.22	75% copper, 25% nickel	38.74	3.05
50 sene		14.13	do.	32.30	2.43
20 sene		11.31	do.	28.50	2.41
10 sene		5.66	do.	23.60	1.90
5 sene		2.83	do.	19.41	1.45
2 sene	500,000	3.24	97% copper, 2.5% zinc, 0.5% tin	21.08	1.40
1 sene	1,000,000	1.75	do.	17.53	1.14
Total	1,512,500				

¹ 1978 coinage, manufactured by the Royal Australian Mint, was dated 1974, except for commemorative coins which bore 1978.² Consists of 1,000 proof coins commemorating the Commonwealth Games and 1,500 proof coins honoring the 50th anniversary of Kingsford Smith's flight.³ Consists of 5,000 proof coins commemorating the Commonwealth Games and 5,000 honoring the Kingsford Smith flight.

* Milled edges: 100 tala, 50, 20, 10, and 5 sene. Smooth edges: 1 tala, 2 and 1 sene.

NOTE.—Western Samoa's monetary unit, the Tala, is divided into 100 Sene.

WINDWARD ISLANDS, PACIFIC GROUP—See French Polynesia

YEMEN ARAB REPUBLIC

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 rial	7,050	8.00	75% copper, 25% nickel.....	28.00	n.a.
50 fils.....		5.25	do.....	24.00	n.a.
25 fils.....		3.00	do.....	20.00	n.a.
10 fils.....		4.23	63% copper, 37% zinc.....	23.00	n.a.
5 fils.....		2.80	do.....	21.00	n.a.
1 fil.....	7,050	.60	Aluminum	15.00	n.a.
Total.....	14,100				

¹ 1978 coinage, manufactured by mints in the United Kingdom, was dated 1978.

*Reeded edges: 1 rial, 50 and 25 fils. Smooth edges: All other denominations.

n.a. Not available.

YEMEN, THE PEOPLE'S DEMOCRATIC REPUBLIC OF

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 dinars		12.50	925 silver, 75 copper.....	30.62	n.a.
250 fils.....		12.50	75% copper, 25% nickel.....	30.62	n.a.
50 fils.....	2,000,000	9.07	do.....	27.74	n.a.
25 fils.....	1,000,000	4.54	do.....	20.96	n.a.
5 fils.....		4.50	79% copper, 20% zinc, 1% nickel.	23.14	1.47
Do.....		1.35	Aluminum	23.10	n.a.
2½ fils.....		.67	do.....	17.00	n.a.
1 fil.....		.78	97% aluminum, 3% magnesium.	19.81	n.a.
Total.....	3,000,000				

¹ 1978 coinage was manufactured by mints in the United Kingdom. The coins were dated 1977.

n.a. Not available.

*Milled edges: 50 and 25 fils. Smooth edges: 5, 2½, and 1 fils.

NOTE.—The name of this area was changed from The People's Republic of Southern Yemen. The monetary unit remains the Southern Yemen Dinar, which is divided into 1,000 fils.

YUGOSLAVIA

Denomination	Coinage in 1978	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 dinars		10.00	70% copper, 18% zinc, 12% nickel.	30.00	1.68
5 dinars		6.75	do.....	27.50	1.75
2 dinars		5.00	do.....	24.50	1.55
1 dinar		3.80	do.....	21.80	1.45
50 paras		6.00	85% copper, 14.5% zinc, 0.5% aluminum.	25.50	1.57
20 paras		4.00	do.....	23.20	1.32
10 paras		3.00	do.....	21.00	1.25
5 paras		1.50	do.....	16.00	1.15
Total.....					

*Milled edges: All denominations.

Previous issues of Yugoslavian coins outstanding in 1978

Denomination	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 dinar	6.00	91% copper, 9% aluminum.....	25.50	1.8
20 dinar	4.00	do	23.20	1.5
10 dinar	3.00	do	21.00	1.4

*Milled edges: all denominations.

ZAIRE

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 zaires		33.43	900 gold.....	34.00	2.49
5 zaires ²	2,300	35.00	925 silver.....	42.00	2.87
2½ zaires ²	2,300	28.28	do	38.61	2.75
20 makuta		13.00	75% copper, 25% nickel.....	31.00	2.20
10 makuta		9.00	do.....	28.00	2.00
5 makuta	8,000,000	6.50	do.....	25.00	1.50
1 likuta		1.25	97% aluminum, 3% magnesium	21.00	1.65
10 sengi.....		.70	do.....	16.99	1.50
Total	8,004,600				

¹ 1978 silver coinage, produced by mints in the United Kingdom, was dated 1975. The other coins were produced by mints in West Germany and were dated 1967.² Part of the World Wildlife Conservation series drawing attention to endangered species of wildlife. Includes 500 proof 5 and 2½ zaires.

*Reeded edges: All denominations.

NOTE.—The zaïre is divided into 100 likuta (plural, makuta), and each likuta is divided into 100 sengi.

ZAMBIA (formerly Northern Rhodesia)

Denomination	Coinage in 1978 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 kwacha.....		28.28	75% copper, 25% nickel.....	38.60	n.a.
50 ngwee (12 sided).....		11.66	do	30.00	1.88
20 ngwee.....		11.31	60% copper, 20% nickel, 20% zinc.	28.50	2.26
10 ngwee.....		5.66	do.....	23.60	1.88
5 ngwee.....	5,000,000	2.83	do.....	19.41	1.42
2 ngwee.....		4.67	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.85
1 ngwee.....	1,000,000	2.33	do.....	17.51	1.45
Total	6,000,000				

¹ 1978 coinage, manufactured by mints in the United Kingdom, was dated 1972.

*Milled edges: 1 kwacha, 20, 10, and 5 ngwee. Smooth edges: 50, 2, and 1 ngwee.

n.a. Not available.

WORLD MONETARY UNITS IN 1978

[The decimal system of money, with the monetary unit divided into 100 fractional units, prevails in each country except as noted. The form, capitalization, position, etc., of units and their symbols or abbreviations may vary from that shown according to custom, usage, type of machines used, or for other reasons. Plural forms regularly are made by adding the letter "s," except as noted]

Country	Basic unit		Divisional (fractional) unit		Remarks
	Name	Symbol or abbreviation	Name	Symbol or abbreviation	
United States of America.....	Dollar	\$	Cent	¢	Uses French and Spanish money.
Afars and Issas (see Djibouti).....					
Afghanistan	Afghani.....	Af.	Pool.....	.....	
Africa, Equatorial States: Cameroun, Central African Empire, Chad, Congo (Brazzaville), and Gabon.	Communauté Financière Africaine franc.	CFA fr.	Centime.....	.....	
Africa, West (Monetary Union): Benin, Ivory Coast, Niger, Senegal, Togo, and Upper Volta	Communauté Financière Africaine franc.	CFA fr.	Centime.....	.....	
Albania.....	Lek.....	.....	Qintar.....	.....	
Algeria.....	Dinar.....	DA	Centime.....	Cme	
Andorra.....					
Angola, People's Republic of.....	Kwanza .....	.....	Lwei.....	.....	
Argentina.....	Peso.....	\$	Centavo.....	ctv.	
Australia.....	Dollar	\$	Cent	c	1 dinar = 1,000 fils.
Austria.....	Schilling.....	S	Groschen	g	
Bahamas.....	Dollar	B\$	Cent	B¢	
Bahrain.....	Dinar.....	BD	Fils (fils).....	.....	
Bangladesh.....	Taka.....	Tk.	Poisha.....	.....	
Barbados.....	Dollar	BD\$	Cent	¢	
Belgium.....	Franc.....	F or BF	Centime.....	c	
Belize.....	Dollar	\$	Cent	Cent	
Bermuda.....	Dollar	BD\$	Cent	¢	

Bhutan	Ngultrum.....		Chetrum		Indian money is also in circulation.
Bolivia.....	Peso Boliviano.....	\$b	Cents.....		
Botswana.....	Pula	P	Thebe.....	t	
Brazil	Cruzeiro.....	Cr.\$	Centavo.....		New monetary units issued Aug. 23, 1976; South African money used previously.
Brunei	Dollar		Sen (sen).....		
Bulgaria	Lev		Stotinki.....		
Burma	Kyat.....	K	Pya	P	100 stotinki = 1 lev.
Burundi	Franc Burundi.....	F. Bu			
Cambodia (Kampuchea).....	Riel.....	£	Sen (sen).....		
Canada	Dollar	\$	Cent	¢	Symbol (\$) is placed between escudos and centavos, example: 1\$00.
Cape Verde, Republic of	Escudo	Esc. or \$	Centavo.....		
Caribbean Territories, Eastern Group: Grenada, Montserrat, and five Asso- ciated States.	East Caribbean Dollar.	E.C.\$	Cent	¢	
Cayman Islands.....	Dollar	\$	Cent	¢	Peso system introduced Sept. 29, 1975. 1 peso = 1,000 escudos. 1 Yuan = 10 jiao = 100 fen.
Chile	Peso	\$	Centavo.....	¢	
China	Yuan.....	RMB Y	Jiao, Fen		
Taiwan.....	New Taiwan Dollar.....	NT \$	Cent	¢	1 c£ = 1,000 mils.
Colombia	Peso	\$ or P	Centavo.....	c., ¢, or Ctv.	
Comoros, Republic of.....	Communauté Financière Africaine franc.	CFA fr.	Centime.....		
Cook Islands.....	Dollar	\$	Cent	c	
Costa Rica	Colón (Colones).....	C or ¢	Centimo.....	¢	
Cyprus	Pound	C£	Mil	m	
Czechoslovakia	Crown.....	Kcs	Heller	h	

WORLD MONETARY UNITS IN 1978—Continued

Country	Basic unit		Divisional (fractional) unit		Remarks
	Name	Symbol or abbreviation	Name	Symbol or abbreviation	
Denmark	Krone (Kroner).....	Kr. or kr.	Ore (ore).....	(O)	Danish money used in Faroe Islands & Greenland.
Djibouti, Republic of.....	Djibouti franc	Dj. fr	Centime .....	.....	Formerly Afars and Issas; independence granted June 27, 1977.
Dominican Republic	Peso Dominicano	RD \$	Centavo	ctv or ¢	
Ecuador	Sucre	S/.	Centavo	ctv.	
Egypt, Arab Republic of.....	Pound	£E.	Piastre, millime... ..	P.T. & Mill.	1 pound = 100 piastres = 1,000 millimes.
El Salvador	Colón (Colones).....	C or ¢	Centavo	¢	
Equatorial Guinea.....	Eukele.....	.....	.....	.....	
Ethiopia	Birr	Br. \$	Cent	ct	Ethiopian Monetary and Banking Proclamation No. 99/1 1976 dd., Sept. 21, 1976, changed basic monetary unit to birr.
Falkland Islands	Pound .....	.....	Pence.....	.....	United Kingdom coins also circulate.
Fiji	Dollar	\$	Cent	¢	
Finland	Markka (Markkaa)	mk	Penni (pennia)	p.	
France	Franc	F	Centime	C or Cme.	
French Guadeloupe, Guiana, and Martinique .....	.....	.....	.....	.....	Use metropolitan French coins.
French Polynesia: Austral, Leeward, Marquesas and Windward Islands; and Tuamotu group	Colonies Francaises du Pacifique franc.	CFP fr.	Centime .....	.....	
Gambia, The	Dalasis	D	Butut	b	
Germany, Democratic Republic of	Mark* .....	.....	Pfennig* .....	.....	*For both singular and plural forms.
Germany, Federal Republic of	Deutsche Mark*	DM	Pfennig*	Pf.	do
Ghana	Cedi	NC	pesewa	P	
Gibraltar	Pound .....	.....	Pence.....	.....	
Greece	Drachma	Dr.	Lepton (lepta) .....	.....	
Greenland .....	.....	.....	.....	.....	Danish money is legal tender in Greenland.
Guatemala	Quetzal (Quetzales).....	Q	Centavo	¢	

Guernsey.....	Pound .....	.....	Pence .....	.....	
Guinea-Bissau, Republic of.....	Peso .....	.....	Centavo.....	.....	
Guinea, Republic of.....	Syli .....	.....	Cauri.....	.....	
Guyana.....	Dollar	G\$	Cent	¢	
Haiti.....	Gourde	G	Centime.....	¢	
Honduras.....	Lempira	L.	Centavo.....	¢ or cto.	
Hong Kong.....	Dollar	HK\$	Cent	¢	
Hungary.....	Forint	Ft.	Fillér.....	Fill.	
Iceland.....	Króna (Krónur).....	kr. or Kr.	Eyrir (aurar)	aur. or au.	
India.....	Rupee	Re. (Rs.)	Païsa (paise)	p.	
Indonesia.....	Rupiah	Rp.	Sen (sen) .....	.....	
Iran.....	Rial	Rl. (Rls.)	Dinar .....	.....	
Iraq.....	Dinar	ID	Fils (fils).....	.....	1 dinar = 1,000 fils.
Ireland, Republic of.....	Pound	IR£	Penny.....	P.	
Isle of Man.....	Crown.....	.....	New Pence.....	P.	
Israel.....	Lira (Pound).....	£	Agora (agorot)....	Ag.	
Italy.....	Lira (Lire)	L. or Lit.	Centesimo .....	.....	
			(centesimi).		
Jamaica.....	Dollar	\$	Cent	c	
Japan.....	Yen	Y	Sen (sen) Rin .....	.....	
Jersey.....	Pound .....	.....	Pence.....	.....	
Jordan.....	Dinar	J.D.	Fils (fils).....	FLS.	1 dinar = 1,000 fils.
Kenya.....	Shilling	Sh.	Cent	ct.	
Korea, Republic of.....	Won	W	Chon (chon) or	.....	
			Jeon.	.....	
Kuwait.....	Dinar	KD	Fils (fils).....	.....	1 dinar = 1,000 fils.

WORLD MONETARY UNITS IN 1978—Continued

Country	Basic unit		Divisional (fractional) unit		Remarks
	Name	Symbol or abbreviation	Name	Symbol or abbreviation	
Lebanon	Pound	L£ or LL	Piastre	LP or PL	U.S. money is also legal tender.
Lesotho	South African rand	R	Cent	c	
Liberia	Dollar (Liberian or United States)	\$	Cent		
Libya	Dinar	L.D.	Dirham		1,000 dirhams=1 dinar.
Liechtenstein					Uses Swiss money.
Luxembourg	Franc (Luxembourg or Belgian)	fr. or F	Centime	Ct.	
Macao	Pataca	\$	Avos		
Madagascar, Democratic Republic of ..	Franc Malgache	FMG	Centime	Ct.	Ariary monetary system introduced in 1978. One ariary= 5 Francs.
Malawi	Kwacha	K	Tambala	T	At par with £ sterling.
Malaysia	Ringgit	\$	Sen	¢	Previously known as Malaysian dollar and cents.
Maldives Republic	Rupee		Lari	l	
Mali	Mali franc	MF			
Malta	Pound	£M	Cent. Mil		100 cents=1 pound; 10 mils=1 cent.
Mauritania, Islamic Republic of	Ouguiya		Khoun		5 khouns=1 ouguiya.
Mauritius	Rupee	Re	Cent		
Mexico	Peso	\$	Centavo	¢	
Monaco	New Franc (French)	NF	Centime	Cme	Local coins and metropolitan French money circulate.
Mongolian People's Republic	Tukhrik		Mongo		
Morocco	Dirham	DH	Centime	C	1 dirham=100 centimes. Centimes replaced francs from July 1974.
Mozambique	Escudo	Esc. or \$	Centavo		
Nepal	Rupee	Re.	Paisa	P.	
Netherlands	Gulden	f.	Cent	c	
Netherlands Antilles (Curacao)	Guilder	NAF	Cent	ct.	

New Caledonia	Colonies Francaises du Pacifique franc.....	CFP fr.	Centime.....	.....
New Hebrides	New Hebrides franc.....	FNH f.	.....	.....
New Zealand	Dollar	\$	Cent	c.
Nicaragua	Cordoba	C\$	Centavo.....	¢
Nigeria	Naira	N	Kobo.....	K.
Norway	Krone (Kroner).....	Kr.	(oere) .....	.....
Oman	Omani rial	ORl	Baiza .....	.....
Pakistan	Rupee	Rs.	Paisa (paisa)	Ps.
Panama, Republic of.....	Balboa.....	B/.	Centesimo.....	¢
Papua New Guinea.....	Kina .....	.....	Toea.....	.....
Paraguay	Guarani (Guaranies)....	G	Centimo.....	ctmo.
Peru	Sol (Soles).....	S/.	Centavo	ct.
Philippines	Piso.....	P	Sentimo	s.
Poland.....	Zloty	Zl.	Grosz	Gr.
Portugal.....	Escudo	Esc. or \$	Centavo .....	.....
Portuguese Timor.....	Escudo	Esc. or \$	Centavo .....	.....

1 rial = 1,000 baizas.

U.S. money also circulates in Panama.
New currency issued in March 1975
to replace Australian dollars as legal
tender in Papua.

Since 1967 fractional coins have been
inscribed in Tagalog national
Philippine language.

Symbol (\$) is placed between escudos
and centavos. (Example: 1\$00.)
Do.

WORLD MONETARY UNITS IN 1978—Continued

Country	Basic unit		Divisional (fractional) unit		Remarks
	Name	Symbol or abbreviation	Name	Symbol or abbreviation	
Qatar	Riyal	QDR	Dirham .....	.....	
Reunion	Communauté Financière Africaine franc.	CFA fr.	Centime.....	.....	
Rhodesia	Dollar	Rh \$	Cent	c	
Romania, Socialist Republic of	Leu	n.a.	Bani.....	n.a.	
Rwanda, Republic of.....	Franc.....	FRW.	Cent	¢	
Saint-Pierre et Miquelon	Communauté Financière Africaine franc.	CFA fr.	Centime.....	.....	
San Marino	Lira.....	£	n.a.....	.....	
Sao Tome and Principe.....	Escudos	Esc.	Centavo.....	.....	
Saudi Arabia.....	Saudi Riyal	SR	Girsh, halalah .....	.....	1 riyal = 20 girsh = 100 halalas.
Seychelles	Rupee	SR.	Cent	Cts	13½ rupees = 1 pound sterling.
Sierra Leone.....	Leone	Le.	Cent	c	
Singapore	Dollar	S\$	Cent	¢	
Solomon Islands	Dollar .....	.....	Cent .....	.....	Monetary system based on Australian dollar.
Somali Republic	Somali Shilling.....	Sh. So.	Cent .....	.....	
South Africa, Republic of	Rand	R	Cent	c	Coinage inscribed in Afrikaans and English.
Spain	Peseta	Pta. (Pts.)	Centimo	ctmo.	
Sri Lanka	Sri Lanka Rupee	SL. Rs.	Sri Lanka cent....	SL. cts.	
Sudan, Republic of the	Pound	£S, LSd, or LS.	Piastre, millieme...	m/m	1 Sudanese pound = 100 piastres = 1,000 milliemmes.
Suriname	Guilder	Sf	Cent	ct (cts)	
Swaziland	Lilangeni and Luhlanga.....	.....	Cent .....	.....	Coins of South Africa circulate.
Sweden.....	Krona (Kronor).....	Kr. or kr.	Öre (öre) .....	.....	
Switzerland	Franc.....	Fr.	Centime.....	C.	
Syrian Arab Republic.....	Pound or Lira.....	L.S.	Piastre	P.S.	

Tanzania, United Republic of.....	Shilingi	sh.,shs.	Senti		
Thailand.....	Baht	B, b	Stang	stg.	The baht is sometimes referred to as the tical.
Tonga	Pa'anga	T\$	Seniti (seniti)		
Trinidad and Tobago.....	Dollar	T&T\$	Cent	¢	
Tunisia	Dinar	DT	Millime	M	1 Dinar = 1,000 millimes.
Turkey	Lira	TL	Kurus	Krs.	
Turks and Caicos Islands	Crown				
Tuvalu	Dollar		Cent		Monetary system based on Australian dollar.
Uganda.....	Shilling	Sh.	Cent	ct.	
Union of Soviet Socialist Republics...	Ruble		Kopek		
United Arab Emirates.....	Dirham		Fil		Federation consists of Abu Dhabi, Ajman, Dubai, Fujairah, Sharjah, Umm al-Qawain, and Ras Al Khaima.
United Arab Republic (see Egypt)....					
United Kingdom.....	Pound sterling	£	Pence	p.	The pound, retained as the monetary unit, after conversion to the decimal system of currency in 1971, is divided into 100 pence.
Uruguay.....	Peso	N\$	Centésimo		New peso, equivalent to 1,000 old pesos, has been in use since July 1, 1975.
Vatican City	Vatican Lira (Lire).....	L.	Centesimo (centesimi)		
Venezuela	Bolivar	B.	Centimo	c/or c	
Vietnam	Đồng		Hào, Xu		1 đồng = 10 Hào = 100 Xu.
Western Samoa	Tala	WS\$	Sene		
Yemen, Arab Republic	Dinar		Fils.....		
Yemen, People's Democratic Republic of.	Dinar	S.Y.£	Fils.....		1 dinar = 1,000 fils
Yugoslavia	Dinar	Din.	Para (para)		
Zaire	Zaire	Z	Likuta (makuta), sengi.	k, s	1Z = 100 k. 1 k = 100 s.
Zambia	Kwacha	K	Ngwee	n	

n.a. Not available.

**Silver coins withdrawn from circulation in specified countries,
calendar year 1978**

Country	Nominal value in monetary unit of issuing country	Silver content ¹
		<i>Fine ounces</i>
Australia.....	21,800 Australian dollars.....	n.a.
Canada.....	867,956 Canadian dollars.....	126,777
Finland.....	9,000 Finnish markkaa.....	646
Germany, Federal Republic of.....	14,941,950 Deutsche Mark.....	672,262
India.....	6,730 Indian rupees.....	420
Japan.....	41,887,100 Japanese yen.....	38,785
Morocco.....	410 Moroccan dirhams.....	22
Netherlands.....	150 Netherlands guilders.....	9
Philippines.....	9,403 Philippine pesos.....	7,328
Total ounces.....		846,258

¹ Approximate in some instances; not necessarily the actual amount of silver recovered or recoverable.

n.a. Not available.

**Estimated quantity of gold and silver consumed for industrial, professional,
and artistic purposes in specified countries during the calendar year 1978**

Country	Gold (fine troy ounces)	Silver (fine troy ounces)	Source and reference notes
United States.....	4,738,000	160,200,000	Gold: U.S. Government estimate by Dept. of the Interior, Bureau of Mines. Silver: Handy and Harman.
Argentina.....	52,500	3,500,000	Banco Central de la Republica Argentina.
Australia.....	n.a.	4,557,985	Official Government source.
Austria.....	77,548	140,402	Hauptpunzierungs-und Proberamt (Minting and Assay Office).
Barbados.....	60	n.a.	Central Bank of Barbados.
Belgium.....	10,475	1,280	Private source.
Bolivia.....	453	n.a.	Banco Minero de Bolivia.
Brazil.....	520,554	5,122,012	Central Bank of Brazil.
Canada.....	n.a.	n.a.	Statistics Canada.
Chile.....	n.a.	n.a.	Central Bank of Chile.
Colombia.....	63,959	n.a.	Mint House and Bank of the Republic.
Ecuador.....	14,146	n.a.	Banco Central del Ecuador.
El Salvador.....	8,612	3,215	Cooperativa de Joyeros y Relojeros de San Salvador and Banco Central de Reserva.
Finland.....	n.a.	n.a.	Bank of Finland.
France.....	1,244,234	22,184,012	Comptoir Lyon-Allemand Louyot.

Footnote at end of table.

**Estimated quantity of gold and silver consumed for industrial, professional,
and artistic purposes in specified countries during the calendar year
1978—Continued**

Country	Gold (fine troy ounces)	Silver (fine troy ounces)	Source and reference notes
Germany, Federal Republic of.	2,511,968	47,244,007	Bundesamt für Gewerblich Wirtschaft, Frankfort am Main (Federal Office for Industry and Crafts).
Ghana	n.a.	.....	External Trade Statistics.
Guatemala	2,157	.....	Records of Banco de Guatemala.
Guyana	n.a.	n.a.	Statistical Bureau, Ministry of Economic Development.
Haiti	5,000	n.a.	National Bank of Haiti.
Honduras	179	.....	Central Bank of Honduras
Indonesia	3,534	35,085	P.T. Aneka Tambang.
Italy	n.a.	n.a.	Italian Government Mint.
Japan	n.a.	64,859,302	Ministry of International Trade and Industry.
Korea	119,927	2,490,803	Ministry of Energy and Resources.
Libya	n.a.	n.a.	Commercial Gold Section, Central Bank of Libya.
Malaysia	28,641	n.a.	Bank Negara Malaysia.
Mexico	475,000	5,820,000	Central Bank of Mexico.
Morocco	88,736	28,743	Office des Changes.
Netherlands	202,550	2,067,292	Director of Domestic Financial Affairs, Ministry of Finance.
New Zealand	7,252	107,528	Department of Statistics; Mines Department.
Nicaragua	2,180	.....	International Department, Banco Central de Nicaragua.
Norway	40,000	4,000,000	Norwegian Mint.
Pakistan	566	634	Pakistan Mint.
Peru	6,044	637,172	Banco Minero del Perú.
Philippines	1,100	n.a.	Central Bank (August-December 1978).
Portugal	n.a.	n.a.	Casa de Moeda, Lisbon.
Saudi Arabia	511,550	1,753,084	Foreign Trade Statistics Yearbook.
South Africa, Republic of ..	120,299	375,355	Official South African Government Records.
Spain	997,821	n.a.	Ministry of Commerce and Tourism, Directorate General for Domestic Commerce.
Sri Lanka	4,630	227	People's Bank and Central Bank of Ceylon.
Suriname	8,354	n.a.	Centrale Bank van Suriname and Comptroller of Customs. Includes sales by the Centrale Bank and new production.
Sweden	97,513	n.a.	Central Bank of Sweden.
Tunisia	n.a.	n.a.	Foreign Bank Services, Tunisian Central Bank.
Turkey	48,912	9,929	Turkish Government Mint.
United Kingdom	1,724,456	28,900,000	Gold estimate compiled from submissions by members of the London gold market. Silver estimate: 1978 ANNUAL BULLION REVIEW, Samuel Montague and Co., Ltd.
Zaire	n.a.	n.a.	Department des Mines.
Total	13,738,910	354,038,067	

n.a. Not available.

World production of gold by countries, 1976-78

[Troy ounces]

Country	1976 ^r	1977	1978 ^p
North America:			
Canada	1,692,000	1,734,000	1,735,000
Costa Rica ^c	10,000	12,000	16,000
Dominican Republic	414,000	348,000	336,000
El Salvador	3,000	2,000	4,000
Honduras	2,000	2,000	3,000
Mexico	163,000	213,000	202,000
Nicaragua	76,000	66,000	66,000
United States	1,048,000	1,100,000	1,000,000
South America:			
Argentina	° 12,000	° 12,000	18,000
Bolivia	42,000	14,000	25,000
Brazil	240,000	° 280,000	304,000
Chile	129,000	280,000	102,000
Colombia	300,000	263,000	258,000
Ecuador	11,000	8,000	3,000
French Guiana	2,800	5,000	5,000
Guyana	16,000	12,000	15,000
Peru	80,000	104,000	103,000
Surinam			
Venezuela	17,000	17,000	13,000
Europe:			
Finland	26,000	27,000	29,000
France	51,000	41,000	60,000
Germany, Federal Republic of	2,000	° 2,000	2,000
Hungary	155,000	115,000	60,000
Portugal	10,000	9,000	8,000
Romania ^c	60,000	65,000	65,000
Spain	149,000	115,000	150,000
Sweden	62,000	° 68,000	64,000
U.S.S.R. ^c	7,700,000	7,850,000	8,000,000
Yugoslavia	157,000	164,000	165,000
Africa:			
Congo, Republic of the	7,000	7,000	7,000
Ethiopia	11,000	8,000	8,000
Ghana	532,000	481,000	402,000
Mauritania	22,000	28,000	8,000
Rhodesia, Southern ^c	600,000	600,000	640,000
South Africa, Republic of	22,936,000	22,502,000	22,650,000
Zaire	91,000	80,000	76,000
Zambia	11,000	8,000	8,000
Other Africa ¹	6,000	7,000	6,000
Asia:			
China	80,000	100,000	150,000
Democratic Kampuchea ^c	1,000	1,000	
India	101,000	97,000	88,000
Indonesia ²	86,000	69,000	66,000
Japan ³	138,000	149,000	147,000
Korea, North ^c	160,000	160,000	160,000
Korea, Republic of	19,000	21,000	27,000
Malaysia:			
Peninsular Malaysia	4,000	4,000	5,000
Sarawak	1,000	1,000	1,000
Philippines	501,000	558,000	610,000
Taiwan	27,000	15,000	13,000

Footnotes at end of table.

World production of gold by countries, 1976-78—Continued

[Troy ounces]

Country ²	1976 ¹	1977	1978 ¹
Oceania:			
Australia	503,000	623,000	649,000
British Solomon Islands	1,000		
Fiji	66,000	49,000	27,000
New Zealand	3,000	7,000	7,000
Papua New Guinea	668,000	740,000	752,000
Total	39,204,800	39,243,000	39,318,000

e Estimate. p Preliminary. r Revised.

¹ Comprises following 11 countries each producing less than 2,000 ounces per year: Angola, Burundi, Cameroon, Central African Empire, Gabon, Kenya, Madagascar, Mali, Rwanda, Sudan, and Tanzania.² Excludes production of so-called "peoples" mines.³ Refinery production from Japan was as follows: 1976-1,043,676 ounces; 1977-1,219,155 ounces; 1978-1,350,329 ounces.

SOURCE.—Bureau of Mines, U.S. Department of the Interior.

World production of silver by countries,¹ 1976-78

[Thousands of troy ounces]

Country ²	1976	1977	1978
North and Central America:			
Canada	41,199	42,236	40,168
Costa Rica ^e	2	1	2
Dominican Republic	907	1,357	1,844
El Salvador	166	112	185
Guatemala	n.a.	n.a.	10
Honduras	r 3,184	2,819	2,788
Mexico	42,640	47,030	50,779
Nicaragua	r 208	153	482
United States	34,328	38,166	39,385
South America:			
Argentina	r 2,250	2,451	e 2,600
Bolivia	5,091	5,887	6,439
Brazil ³	e 438	e 372	e 506
Chile	r 7,342	8,447	8,211
Colombia ⁴	106	91	83
Ecuador	r 47	57	64
Peru	r 35,922	39,731	37,045
Europe:			
Bulgaria ^e	900	840	900
Czechoslovakia ^e	1,190	1,190	1,160
Finland	773	813	1,133
France	2,806	3,004	2,754
Germany, Democratic Republic of ^e	1,600	1,600	1,600
Germany, Federal Republic of	1,026	1,061	749
Greece ⁵	r 1,845	1,071	1,360
Greenland	r 479	521	559
Hungary ^e	32	39	39
Ireland	925	936	631
Italy ^{4,6}	r 1,543	1,190	987
Poland ^e	16,100	17,700	19,000
Portugal	r 28	26	23
Romania ^e	r 1,220	1,125	1,030
Spain	r 2,966	3,215	3,093
Sweden	4,617	5,438	e 5,800
U.S.S.R. ^{e,4}	44,000	45,000	46,000
Yugoslavia ⁴	r 4,630	4,694	5,112

Footnotes at end of table.

World production of silver by countries,¹ 1976-78—Continued

[Thousands of troy ounces]

Country	1976	1977	1978
Africa:			
Algeria ^e	r 80	40	100
Ghana	n.a.	n.a.	19
Kenya ^e	19	19	19
Mauritania	32	e 26	19
Morocco	2,054	2,244	3,189
Rhodesia, Southern	117	114	100
South Africa, Republic of	2,821	3,130	3,104
South West Africa, Territory of (Namibia) ^e	1,100	1,299	1,399
Tanzania	(?)	e (?)	(?)
Tunisia	252	236	231
Zaire	2,472	2,730	4,390
Zambia	1,065	e 1,450	1,069
Asia:			
Burma	211	355	377
China	965	990	990
Taiwan	100	68	75
India ⁴	102	425	389
Indonesia	1,086	857	814
Japan	9,299	9,646	9,732
Korea, North ^e	1,600	1,600	1,600
Korea, Republic of	r 1,856	2,104	1,383
Malaysia (Sabah)	e 300	e 430	482
Philippines	1,481	1,621	1,637
Turkey	e 220	e 220	219
Oceania:			
Australia	r 25,034	27,525	24,858
Fiji	20	15	10
New Zealand	1	8	2
Papua New Guinea	r 1,451	1,522	1,708
Total	314,248	337,047	340,436

e Estimate. p Preliminary. r Revised.

¹ Recoverable content of ores and concentrates produced unless otherwise noted.² In addition to the countries listed Austria and Thailand may produce silver, but information is inadequate to make reliable estimates of output levels.³ Includes 20,000 ounces of silver recovered from gold ores plus an estimated 418,000 ounces of silver recovered as a byproduct from lead in 1976; 14,339 ounces of silver recovered from gold ore plus an estimated 358,000 ounces of silver recovered as byproduct from lead in 1977; no estimate for 1978.⁴ Smelter and/or refinery production.⁵ Series revised to show mine output.⁶ Includes production from imported ores.⁷ Less than 1/2 unit.

SOURCE.—Bureau of Mines, U.S. Department of the Interior.

**World's monetary stocks of gold bullion and coin held at the end of
calendar year 1978**

Country or international monetary institution	Fine troy ounces	Value at U.S. \$42.22 per fine troy ounce ¹
	<i>Thousands</i>	<i>Thousands</i>
United States of America ²	276,432	\$11,671,000
Afghanistan.....	949	40,051
Argentina.....	4,278	180,619
Australia.....	7,791	328,938
Austria.....	21,053	888,842
Bahamas.....	17	638
Barbados.....	3	117
Belgium.....	n.a.	n.a.
Bolivia.....	645	27,214
Brazil.....	1,609	67,950
Canada.....	n.a.	n.a.
Taiwan.....	2,411	101,796
Colombia.....	1,997	84,304
Costa Rica.....	80	384
Denmark.....	1,980	83,605
El Salvador.....	501	21,142
Ethiopia.....	287	12,107
Fiji.....	6	242
Finland.....	945	39,912
France.....	101,950	4,304,329
Germany, Federal Republic of.....	118,638	5,008,880
Greece.....	3,770	159,155
Guatemala.....	515	21,726
Haiti.....	14	582
Iceland.....	30	1,260
India.....	2,454	103,604
Indonesia.....	224	9,472
Ireland, Republic of.....	447	18,877
Israel.....	1,171	49,426
Japan.....	23,110	975,720
Jordan.....	811	34,254
Korea.....	275	11,605
Kuwait.....	2,525	106,591
Malaysia.....	n.a.	n.a.
Mexico.....	1,900	80,218
Morocco.....	680	28,720
Nepal.....	149	6,276
Netherlands.....	54,778	2,312,708
Netherlands Antilles.....	548	23,124
New Zealand.....	22	945
Nicaragua.....	27	1,150
Norway.....	1,133	47,827
Pakistan.....	1,685	71,136
Paraguay.....	11	463
Peru.....	1,122	47,361
Philippines.....	543	22,941
Portugal.....	22,134	934,501
Saudi Arabia.....	5,046	213,026
South Africa, Republic of.....	9,786	413,163
Spain.....	14,400	607,968
Sri Lanka.....	11	465
Surinam.....	56	2,363
Sweden.....	5,999	253,279
Switzerland.....	n.a.	n.a.
Syria.....	644	27,180
Thailand.....	2,427	102,466
Trinidad and Tobago.....	40	1,706
Tunisia.....	150	6,331
Turkey.....	3,668	154,852
United Kingdom.....	22,826	963,714
Uruguay.....	3,640	153,681
Venezuela.....	11,390	480,886
Zaire.....	308	13,001
International Monetary Fund ³	118,200	4,990,404

¹The monetary value of gold in the United States was U.S. \$42.22 per fine troy ounce on Dec. 31, 1978. The U.S. dollar was legally defined at 12.63157895 grains of gold nine-tenths fine.

²Consists of gold held by the U.S. Treasury.

³Approximate.

NOTE.—Data in this table are restricted to stocks of gold coin and bullion reported to the U.S. Mint. Gold stocks are also held by a number of countries from which data are not available to the U.S. Mint.

n.a. Not available.

**World monetary stocks of silver bullion and coin held at the end of the
calendar year 1978**

Country	Monetary unit	Exchange rate December 1978 ¹	Silver bullion		Silver coin	Total silver
			Fine troy ounces	Value ²	Value ³	Value
			<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
United States.....	Dollar.....	\$1.00000	* 39,157	\$232,141	n.a.	\$232,141
Afghanistan.....	Afghani.....	.02222	8,303	49,227	.....	49,227
Austria.....	Schilling.....	.07262	1,069	6,340	\$617,742	624,082
Bahamas.....	Dollar.....	1.00000	.....	.....	4,265	4,265
Belgium.....	Franc.....	.03364	2,542	15,073	47,061	62,134
Bolivia.....	Peso-Boliviano...	.05000	36	212	5,050	5,262
Brazil.....	Cruzeiro.....	.04873	.....	.....	n.a.	n.a.
Canada.....	Dollar.....	.84763	913	5,415	431,462	436,877
Taiwan.....	NT Dollar.....	.02777	2,093	12,411	7	12,418
El Salvador.....	Colon.....	.40000	.....	.....	2,208	2,208
Ethiopia.....	Birr.....	.48309	n.a.	4,170	6,050	10,220
Fiji.....	Dollar.....	.82967	.....	.....	152	152
Finland.....	Markka.....	.24957	2,452	14,536	17,869	32,405
France.....	Franc.....	.23178	.....	.....	711,312	711,312
Germany, Federal Republic of.....	Deutsche Mark..	.53217	7,701	45,652	1,086,683	1,132,335
Ghana.....	Cedi.....	2.75027	.....	.....	n.a.	n.a.
Greece.....	Drachma.....	.02727	3,618	21,449	n.a.	21,449
Guatemala.....	Quetzal.....	1.00000	1,121	6,649	3,223	9,872
Guyana.....	Dollar.....	.39139	.....	.....	26	26
Haiti.....	Gourde.....	.20000	.....	.....	326	326
Honduras.....	Lempira.....	.50000	.....	.....	2,050	2,050
India.....	Rupee.....	.12174	66,536	394,461	.....	394,461
Ireland.....	Pound.....	1.98610	.....	.....	1,836	1,836
Israel.....	Pound.....	.05337	.....	.....	8	8
Italy.....	Lira.....	.00119	n.a.	n.a.	n.a.	n.a.
Japan.....	Yen.....	.00510	3,437	20,377	348,081	368,458
Korea.....	Won.....	.00206	27	159	1,030	1,189
Luxembourg.....	Franc.....	.03355	.....	.....	503	503
Malaysia.....	Ringgit.....	.45524	.....	.....	n.a.	n.a.
Mexico.....	Peso.....	.04395	7,100	42,092	3,534	45,626
Morocco.....	Dirham.....	.25101	.....	.....	9,054	9,054
Nepal.....	Rupee.....	.08333	4,537	26,899	.....	26,899
Netherlands.....	Guilder.....	.49120	94	554	52,095	52,649
Netherlands Antilles	Guilder.....	.55555	.....	.....	n.a.	n.a.
Norway.....	Krone.....	.19574	167	990	17,791	18,781
Pakistan.....	Rupee.....	.10070	36	213	.....	213
Panama.....	Balboa.....	1.00000	.....	.....	n.a.	n.a.
Paraguay.....	Guarani.....	.00794	.....	.....	322	322
Peru.....	Sol.....	.00517	.....	.....	1,387	1,387
Philippines.....	Piso.....	.13549	121	715	3,426	4,141
Portugal.....	Escudo.....	.02147	n.a.	n.a.	11,790	11,790

Footnotes at end of table.

**World monetary stocks of silver bullion and coin held at the end of the
calendar year 1978—Continued**

Country	Monetary unit	Exchange rate December 1978 ¹	Silver bullion		Silver coin	Total silver
			Fine troy ounces	Value ²	Value ³	Value
			<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>	<i>Thousands</i>
Saudi Arabia	Riyal	.29900	4,721	\$27,988	\$4,517	\$32,505
Singapore	Dollar	.45928			5,980	5,980
South Africa	Rand	1.15010	n.a.	n.a.	16,774	16,774
Sri Lanka	SL Rupee	.06470			79	79
Suriname	Guilder	.56022			945	945
Sweden	Krona	.22808	367	2,175	144,429	146,604
Switzerland	Franc	.59703	n.a.	n.a.	n.a.	n.a.
Thailand	Baht	.04909	342	2,026	7,450	9,476
Trinidad and Tobago	T & T Dollar	.41667			57	57
Turkey	Lira	.03960			976	976
United Kingdom	Pound	1.98610			11,917	11,917
Venezuela	Bolivar	.23296			67,393	67,393
Total			156,490	931,924	3,646,860	571,334

¹ U.S. dollars per unit of foreign currency. For the following 21 countries, the average December 1978 exchange rates for foreign currencies are based on the daily rate certified to the Secretary of the Treasury by the Federal Reserve Bank of New York: Austria, Belgium and Luxembourg, Canada, France, Germany, India, Ireland, Italy, Japan, Malaysia, Mexico, Netherlands, Norway, Portugal, South Africa, Spain, Sri Lanka, Sweden, Switzerland, and the United Kingdom. For other countries they are the end-of-year rates as established with the International Monetary Fund.

² The U.S. dollar value of silver bullion is based on the daily New York open market quotations for the month of December 1978. The December 1978 average was U.S. \$5.92850 per troy ounce 999/1000 commercial fineness.

³ The U.S. dollar value for foreign silver coin is based on the nominal face value in the country of issue and the exchange rate shown.

⁴ Silver bullion held by the U.S. Mint.

n.a. Not available.

FAO Coin Issues

The following pages contain the listing of FAO national coins issued through December 1978 and illustrations of the coins, made available by the Food and Agriculture Organization of the United Nations, Rome, Italy.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1978

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
Africa, West:						<i>Grams</i>	<i>mm.</i>	<i>mm.</i>
50 francs	French Government Mint, Paris.	20,000,000	.....	1972	75% copper, 25% nickel	5.00	22.00	¹ 1.86
Do	do	3,000,000	.....	1974	do	5.00	22.00	¹ 1.86
Do	do	9,000,000	.....	1975	do	5.00	22.00	¹ 1.86
Do	do	6,000,000	.....	1976	do	5.00	22.00	¹ 1.86
Do	do	3,200,000	.....	1978	do	5.00	22.00	¹ 1.86
Algeria:								
1 dinar	Kremnica, Czechoslovakia	75,000,000	.....	1972	do	7.00	25.00	¹ 2.10
20 centimes	do	50,000,000	.....	1972	79% copper, 20% zinc, 1% nickel.	4.00	22.00	² 1.50
Do	Germany	40,000,000	.....	1978	Cupronickel	4.00	22.00	² 1.50
5 centimes	do	50,000,000	.....	1970	Aluminum	1.50	22.00	² 1.70
Do	do	10,000,000	.....	1973	do	1.50	22.00	² 1.70
Bahrain:								
250 fils	Royal Mint, London	50,000	.....	1969	75% copper, 25% nickel	15.00	32.00	¹ 2.40
Bangladesh:								
1 taka	Chartered Industries, Singapore.	1,000,000	.....	1975	Cupronickel	6.00	26.00	n.a.
50 poisha	Royal Canadian	50,000,000	.....	1977	Stainless steel	4.00	22.00	¹ n.a.
25 poisha	Berlin, Germany	5,000,000	.....	1974	do	2.65	19.00	(¹)
Do	do	6,000,000	.....	1975	do	2.50	19.00	(¹)
Do	do	6,000,000	.....	1976	do	2.50	19.00	(¹)
Do	do	6,000,000	.....	1977	do	2.50	19.00	(¹)
10 poisha	do	5,000,000	.....	1974	Aluminum	2.00	24.00	(²)
Do	do	4,000,000	.....	1975	do	1.80	24.00	(³)
Do	do	4,000,000	.....	1976	do	1.80	24.00	(³)
Do	do	4,000,000	.....	1977	do	1.80	24.00	(³)
5 poisha	do	5,000,000	.....	1974	do	1.40	22.50	(²)
Do	do	3,000,000	.....	1975	do	1.20	22.50	(²)
Do	do	3,000,000	.....	1976	do	1.20	22.50	(²)
Do	do	3,000,000	.....	1977	do	1.20	22.50	(²)
Do	Royal Canadian	90,000,000	.....	1977	do	1.20	22.50	(⁶)
Bhutan:								
30 ngultrums	India Government Mint, Bombay.	14,000	.....	1975	500 silver	25.00	39.00	(¹)
15 ngultrums	do	30,000	.....	1974	do	22.50	39.00	(¹)
20 chetrum	do	1,000,000	.....	1974	92% copper, 6% aluminum, 2% nickel.	4.50	22.00	(¹)
10 chetrum	do	4,000,000	.....	1975	Aluminum	2.30	26.00	n.a.

Bolivia:								
1 peso-boliviano	Germany	25,000	.....	1968	95% steel, 5% nickel	6.00	27.00	¹ 1.55
Botswana:								
1 pula	Royal Mint, London	166,000	.....	1976	Cupronickel	10.30	29.50	(2)
Do	do	500,000	.....	1977	do	10.30	29.50	(2)
50 thebe	do	266,000	.....	1976	do	11.30	28.50	(1)
Do	do	300,000	.....	1977	do	11.30	28.50	(1)
25 thebe	do	1,500,000	.....	1976	do	5.73	25.00	(1)
Do	do	250,000	.....	1977	do	5.73	25.00	(1)
10 thebe	do	1,500,000	.....	1976	do	3.83	22.00	(1)
Do	do	500,000	.....	1977	do	3.83	22.00	(1)
5 thebe	do	3,000,000	.....	1976	Bronze	2.70	19.50	(1)
Do	do	250,000	.....	1977	do	2.70	19.50	(1)
1 thebe	do	15,000,000	.....	1976	Aluminum	.70	18.50	(1)
Brazil:								
5 centavos	Rio de Janeiro	44,500,000	.....	1975	Steel	2.69	21.00	(2)
Do	do	134,267,000	.....	1976	do	2.69	21.00	(2)
Do	do	85,360,000	.....	1977	do	2.69	21.00	(2)
Do	do	50,000,000	.....	1978	do	2.69	21.00	(2)
2 centavos	do	31,400,000	.....	1975	do	2.21	19.00	(2)
Do	do	18,754,000	.....	1976	do	2.21	19.00	(2)
Do	do	100,000	.....	1977	do	2.21	19.00	(2)
Do	do	50,000	.....	1978	do	2.21	19.00	(2)
1 centavo	do	31,700,000	.....	1975	do	1.77	17.00	(2)
Do	do	18,355,000	.....	1976	do	1.77	17.00	(2)
Do	do	100,000	.....	1977	do	1.77	17.00	(2)
Do	do	50,000	.....	1978	do	1.77	17.00	(2)
Burma:								
1 kyat	Rangoon	20,000,000	.....	1975	Cupronickel	6.00	26.40	n.a.
Burundi:								
10 francs	Royal Mint, London	2,000,000	.....	1968	75% copper, 25% nickel	8.00	28.00	¹ 1.80
Do	do	2,000,000	.....	1971	do	8.00	28.00	¹ 1.80
Cape Verde:								
2½ escudos	Kremnica, Czechoslovakia	1,200,000	.....	1977	Brass	7.00	26.00	(1)
1 escudo	do	1,000,000	.....	1977	do	4.00	23.00	(1)
Caribbean, East:								
Antigua:								
4 dollars	Royal Mint, London	13,500	2,000	1971	do	28.28	36.60	¹ 3.00
Barbados:								
4 dollars	do	30,000	2,000	1971	do	28.28	39.60	¹ 3.00
Dominica:								
4 dollars	do	13,000	2,000	1971	do	28.28	36.60	¹ 3.00
Grenada:								
4 dollars	do	13,000	2,000	1971	do	28.28	36.60	¹ 3.00

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1978—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
Caribbean, East—Continued						<i>Grams</i>	<i>mm.</i>	<i>mm.</i>
Montserrat:								
4 dollars.....	Royal Mint, London.....	13,000	2,000	1971	Brass.....	28.28	36.60	¹ 3.00
St. Kitts-Nevis-Anguilla:								
4 dollars.....	do.....	13,000	2,000	1971	do.....	28.28	36.60	¹ 3.00
St. Lucia:								
4 dollars.....	do.....	13,000	2,000	1971	do.....	28.28	36.60	¹ 3.00
St. Vincent:								
4 dollars.....	do.....	13,000	2,000	1971	do.....	28.28	36.60	¹ 3.00
Ceylon:								
2 rupees.....	do.....	500,000	.....	1968	do.....	12.30	31.50	¹ 2.00
China, Republic of:								
1 dollar.....	Central Mint, Taipei.....	10,000,000	.....	1969	55% copper, 27% zinc, 18% nickel.	6.00	25.00	¹ 1.60
Comoros:								
100 francs.....	French Government Mint, Paris.	500,000	.....	1977	Nickel.....	10.00	28.50	(²)
Cyprus:								
500 mils.....	Royal Mint, London.....	80,000	.....	1970	75% copper, 25% nickel.....	22.60	36.07	² 2.57
Do.....	do.....	.....	5,000	1970	800 silver, 200 other.....	22.60	36.07	² 2.57
Dominican Republic:								
1 centavo.....	do.....	5,000,000	.....	1969	95% copper, 4.5% tin, 0.5% zinc.	3.00	19.00	² 1.60
Egypt, Arab Republic of:								
1 pound.....	Mint House, Cairo.....	50,000	.....	1973	720 silver.....	25.00	40.00	¹ 2.65
Do.....	do.....	50,000	.....	1976	do.....	15.00	35.00	(¹)
Do.....	do.....	50,000	.....	1977	do.....	25.00	35.00	(¹)
Do.....	do.....	50,000	.....	1978	do.....	15.00	35.00	(¹)
10 piastres.....	do.....	500,000	.....	1970	Cupronickel.....	5.50	27.00	¹ 1.35
Do.....	do.....	2,000,000	.....	1975	do.....	5.50	27.00	(¹)
Do.....	do.....	1,000,000	.....	1977	do.....	5.50	27.00	(¹)
5 piastres.....	do.....	2,000,000	.....	1975	do.....	4.50	25.00	(¹)
Do.....	do.....	1,000,000	.....	1977	do.....	4.50	25.00	(¹)
Do.....	do.....	1,000,000	.....	1978	do.....	4.50	25.00	(¹)

10	milliemes	do.	10,000,000	1975	Brass	3.20	21.00	(?)	
	Do	do.	10,000,000	1976	do.	3.20	21.00	(?)	
	Do	do.	5,000,000	1977	do.	3.20	21.00	(?)	
	Do	do.	2,000,000	1978	do.	3.20	21.00	(?)	
5	milliemes	do.	10,000,000	1973	Aluminum	1.50	21.00	1 2.00	
	Do	do.	10,000,000	1975	Brass	2.00	18.00	(?)	
	Do	do.	5,000,000	1977	do.	2.00	18.00	(?)	
Ethiopia:									
1	cent.	Royal Mint, Llantrisant	35,000,000	1977	Aluminum	.57	17.00	(?)	
Fiji:									
1	cent.	Royal Australian Mint, Canberra.	3,000,000	1977	Bronze	1.90	17.50	(?)	
Gambia:									
1	Butut	Royal Mint, London	11,500,000	1974	97% copper, 2.5% zinc, 0.5% tin.	1.78	17.15	(?)	
Guinea-Bissau:									
20	pesos	Royal Mint, Llantrisant	2,500,000	1977	Cupronickel	13.00	32.00	(1)	
5	pesos	do.	6,000,000	1977	do.	8.00	27.50	(1)	
2½	pesos	do.	4,000,000	1977	Nickel brass	6.00	25.00	(1)	
1	peso	do.	7,000,000	1977	do.	4.00	22.00	(?)	
50	centavos	do.	6,000,000	1977	Aluminum	2.25	25.00	(?)	
Guyana:									
1	dollar	Royal Mint, London	500,000	5,000	1970	75% copper, 25% nickel	19.00	35.56	1 2.50
Haiti:									
50	centimes	U.S. Assay Office, San Francisco.	600,000	1972	do.	9.88	29.00	1 1.90	
	Do	do.	1,200,000	1975	70% copper, 18% zinc, 12% nickel.	9.88	29.00	1 1.90	
20	centimes	do.	1,500,000	1972	do.	7.50	26.00	1 1.90	
	Do	do.	4,000,000	1975	do.	7.50	26.00	1 1.90	
10	centimes	do.	12,000,000	1975	do.	4.00	22.10	1 1.40	
5	centimes	do.	16,000,000	1975	do.	2.75	19.90	1 1.30	
Honduras:									
50	centavos	do.	4,400,000	1973	75% copper, 25% nickel	5.67	24.00	1 2.00	
India:									
50	rupees	India Government Mint, Bombay.	82,053	1974	Silver (500 fine)	35.00	44.00	(1)	
	Do	do.	64,822	1975	do.	35.00	44.00	(1)	
	Do	do.	41,683	1976	do.	35.00	44.00	(1)	
	Do	do.	26,141	25,444	1977	do.	35.00	44.00	(1)
20	rupees	do.	64,377	12,423	1973	do.	30.00	44.00	1 2.60

Footnotes at end of table.

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1978—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
						<i>Grams</i>	<i>mm.</i>	<i>mm.</i>
India—Continued								
10 rupees	India Government Mints, Bombay and Calcutta.	406,350	3,046	1970	800 silver, 200 copper.....	15.00	34.00	*2.15
Do.....	do.....	19,600	5,969	1971	do.....	15.00	34.00	*2.15
Do.....	India Government Mint, Bombay.	63,730	14,952	1973	Silver (500 fine).....	22.50	39.00	*2.40
Do.....	do.....	65,432	.....	1974	Cupronickel	25.00	39.00	(¹)
Do.....	do.....	48,500	.....	1975	do.....	25.00	39.00	(¹)
Do.....	do.....	41,670	.....	1976	do.....	25.00	39.00	(¹)
Do.....	do.....	26,314	2,314	1977	do.....	25.00	39.00	(¹)
50 paise.....	do.....	47,086,000	10,889	1973	do.....	4.50	24.00	*1.80
20 paise.....	India Government Mints, Bombay and Calcutta.	10,172,500	3,046	1970	92% copper, 6% aluminum, 2% nickel.	4.50	22.00	*1.85
Do.....	do.....	59,600	4,375	1971	do.....	4.50	22.00	*1.85
10 paise.....	do.....	369,167,500	.....	1974	Aluminum	2.30	26.00	*2.25
Do.....	do.....	142,500,000	.....	1975	do.....	2.30	26.00	*2.25
Do.....	do.....	50,000,000	.....	1976	do.....	2.30	26.00	2.25
Do.....	do.....	25,060,002	2,224	1977	do.....	2.30	26.00	2.25
Do.....	do.....	112,500,000	.....	1978	do.....	2.30	26.00	*2.25
5 paise.....	do.....	160,000,000	.....	1976	do.....	1.50	22.00	2.35
Do.....	India Government Mints, Bombay, Calcutta, Hyderabad.	80,950,002	2,224	1977	do.....	1.50	22.00	2.35
Do.....	do.....	90,000,000	.....	1978	do.....	1.50	22.00	*2.35
Indonesia:								
100 rupiah	Djakarta	68,820,000	.....	1978	75% copper, 25% nickel.....	7.00	28.50	(¹)
10 rupiah	do.....	286,360,000	.....	1971	do.....	1.80	16.00	*1.00
Do.....	do.....	*222,200,000	.....	1974	Brass clad steel	4.00	22.00	*1.60
5 rupiah	do.....	*293,000,000	.....	1974	Aluminum	3.10	28.50	*1.78
Iran:								
20 rials.....	Imperial Iranian Mint, Tehran.	5,000,000	.....	1976	75% copper, 25% nickel.....	8.50	31.00	(¹)
Do.....	do.....	5,000,000	.....	1977	do.....	8.50	31.00	(¹)
Do.....	do.....	5,000,000	.....	1978	do.....	8.50	31.00	(¹)

Iran—Continued								
10 rials.....	do.....	150,000	.....	1969	do.....	7.00	28.00	¹ 1.33
1 rial.....	do.....	8,605,000	.....	1972	do.....	1.75	18.50	¹ 1.10
Do.....	do.....	1,395,000	.....	1973	do.....	1.75	18.50	¹ 1.10
Do.....	do.....	2,000,000	.....	1974	do.....	1.75	18.50	¹ 1.10
Do.....	do.....	1,000,000	.....	1975	do.....	1.75	18.50	¹ 1.10
Iraq:								
250 fils.....	Royal Mint, London.....	500,000	1,000	1970	Pure nickel.....	15.00	33.00	² 2.40
10 fils.....	do.....	1,000,000	.....	1975	Chrome steel.....	5.75	26.00	n.a.
5 fils.....	do.....	2,000,000	.....	1975	do.....	4.00	22.00	n.a.
Isle of Man:								
½ penny.....	Pobjoy Mint, United Kingdom.....	700,000	.....	1977	Bronze.....	1.80	17.20	² 1.12
Jamaica:								
20 cents.....	Royal Mint, London.....	3,000,000	.....	1976	Cupronickel.....	11.31	28.50	(¹)
1 cent.....	do.....	645,000	.....	1971	97% copper, 2.5% zinc, 0.5% tin.....	4.10	21.10	² 1.70
Do.....	do.....	5,000,000	.....	1972	do.....	4.10	21.10	² 1.70
Do.....	do.....	5,500,000	.....	1973	do.....	4.10	21.10	² 1.70
Do.....	do.....	3,000,000	.....	1974	do.....	4.10	21.10	² 1.70
Do.....	do.....	15,000,000	.....	1975	Aluminum.....	.70	21.10	(²)
Do.....	do.....	16,000,000	.....	1976	do.....	.70	21.10	(²)
Do.....	do.....	8,000,000	.....	1978	do.....	.70	21.10	(²)
Jordan:								
250 fils.....	do.....	60,000	.....	1969	75% copper, 25% nickel.....	17.00	34.00	² 2.40
Korea:								
50 won.....	Korean Mint, Pusan.....	6,000,000	.....	1972	70% copper, 18% zinc, 12% nickel.....	4.16	21.60	¹ 1.60
Do.....	do.....	40,000,000	.....	1973	do.....	4.16	21.60	¹ 1.60
Do.....	do.....	30,000,000	.....	1974	do.....	4.16	21.60	¹ 1.60
Lebanon:								
5 pounds.....	Royal Mint, Llantrisant.....	500,000	.....	1978	Pure nickel.....	11.00	32.00	(¹)
1 pound.....	Sherritt Mint, Canada.....	300,000	.....	1968	do.....	9.50	28.00	¹ 1.70
Liberia:								
25 cents.....	Royal Mint, London.....	800,000	10,000	1976	Cupronickel.....	4.49	23.00	(¹)
Madagascar:								
20 francs.....	French Government Mint, Paris.....	15,000,000	.....	1970	92% copper, 6% aluminum 2% nickel.....	6.00	24.50	² 1.70
10 francs.....	do.....	25,000,000	.....	1970	do.....	3.50	21.00	² 1.70
20 ariary.....	Royal Mint, Llantrisant.....	8,000,000	.....	1978	Pure nickel.....	12.00	30.50	(¹)
10 ariary.....	do.....	8,000,000	.....	1978	do.....	9.00	26.60	(¹)

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1978—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
						Grams	mm.	mm.
Maldives, Republic of:								
25 rupees	Royal Mint, Llantrisant	7,000	.....	1978	500 silver	28.28	40.00	(1)
20 rupees	do.	15,000	.....	1977	do.	28.30	38.70	¹ 2.00
5 rupees	do.	15,000	.....	1977	Cupronickel	19.00	35.00	¹ 2.50
Do	do.	7,000	.....	1978	do.	19.00	35.66	(1)
Mali:								
100 francs	French Government Mint, Paris	23,000,000	.....	1975	Aluminum-bronze	8.00	27.85	(1)
50 francs	do.	10,000,000	.....	1975	do.	4.00	23.50	(2)
Malta:								
3 scudi	Order of Malta Mint, Rome		27,000	1968	Silver (800 fine)	10.00	33.00	¹ 1.40
2 tari	do.		27,000	1968	Bronze	10.00	33.00	¹ 1.60
Morocco:								
5 dirham	Royal Mint, London	500,000	.....	1975	Cupronickel	12.00	29.00	n.a.
10 centimes	do.	60,000,000	.....	1974	92% copper, 6% aluminum, 2% nickel	3.00	20.00	¹ 1.90
5 centimes	do.	45,000,000	.....	1974	do.	2.00	17.50	² 1.40
Nepal:								
20 rupees	Kathmandu	50,000	.....	1975	500 silver	15.00	33.00	(1)
10 rupees	do.	538,850	.....	1968	Silver (600 fine)	15.50	32.00	¹ 2.10
Do	do.	38,529	.....	1974	250 silver	8.00	29.00	(1)
1 rupee	do.	1,500,000	.....	1975	Cupronickel	7.00	26.50	(1)
20 paise	do.	10,000,000	.....	1978	Brass	4.00	20.00	(1)
10 paise	do.	2,017,168	.....	1971	66% copper, 34% zinc	4.00	21.00	² 1.34
Do	do.	2,500,000	.....	1975	Brass	2.20	18.50	(2)
Do	do.	10,000,000	.....	1976	do.	2.20	18.50	(2)
5 paise	do.	4,583,691	.....	1974	Aluminum	1.20	20.50	² 1.31
Nicaragua:								
10 centavos	Royal Mint, London	2,000,000	.....	1974	do.	1.20	20.00	(1)
5 centavos	do.	2,000,000	.....	1974	do.	1.50	21.50	(1)
Oman:								
1 rial	do.	15,000	.....	1978	500 silver	15.00	33.00	(1)
1/2 rial	do.	15,000	.....	1978	Cupronickel	13.50	30.00	¹ 2.29
10 baiza	do.	3,000,000	.....	1975	Bronze	4.76	22.48	(2)

Pakistan:								
10 paisa	Pakistan Mint, Lahore	18,640,000		1974	Aluminum	1.60	22.00	¹ 1.35
Do.	do.	28,875,000		1975	do.	1.60	22.00	¹ 1.35
Do.	do.	43,755,000		1976	do.	1.60	22.00	¹ 1.35
Do.	do.	29,045,000		1977	do.	1.60	22.00	¹ 1.35
Do.	do.	29,325,000		1978	do.	1.60	22.00	¹ 1.35
5 paisa	do.	23,395,000		1974	do.	1.25	21.00	¹ 1.30
Do.	do.	50,030,000		1975	do.	1.25	21.00	¹ 1.30
Do.	do.	58,255,000		1976	do.	1.25	21.00	¹ 1.30
Do.	do.	32,840,000		1977	do.	1.25	21.00	¹ 1.30
Do.	do.	64,635,000		1978	do.	1.25	21.00	¹ 1.30
2 paisa	do.	3,600,000		1974	do.	1.00	19.50	¹ 1.45
Do.	do.	4,020,000		1975	do.	1.00	19.50	¹ 1.45
Do.	do.	5,750,000		1976	do.	1.00	19.50	¹ 1.45
1 paisa	do.	14,230,000		1974	do.	.75	17.00	¹ 1.25
Do.	do.	43,000,000		1975	do.	.75	17.00	¹ 1.25
Do.	do.	49,180,000		1976	do.	.75	17.00	¹ 1.25
Do.	do.	62,780,000		1977	do.	.75	17.00	¹ 1.25
Do.	do.	19,990,000		1978	do.	.75	17.00	¹ 1.25
Panama:								
5 balboas	United States Assay Office, San Francisco.	70,000	10,000	1972	925 silver, 75 copper	35.12	39.00	¹ 3.20
2½ centésimos	U.S. Mint, Philadelphia	2,000,000		1973	3-layer composite: outer cladding, 75% copper, 25% nickel bonded to core of pure copper.	1.63	15.00	¹ 1.35
Do.	do.	1,000,000		1975	do.	1.63	15.00	¹ 1.35
Paraguay:								
10 guaranies	Brazil	15,000,000		1978	Steel	4.15	22.00	¹ 1.50
5 guaranies	do.	10,000,000		1978	do.	3.43	20.00	¹ 1.50
1 guarani	do.	15,000,000		1978	do.	2.76	18.00	¹ 1.50
Philippines:								
25 pisos	Franklin Mint, United States	23,826	9,901	1976	500 silver	25.00	38.00	(²)
Poland:								
10 zlotych (fish)	Polish Government Mint, Warsaw.	2,000,000		1971	Cupronickel	9.50	28.00	¹ 2.00
Do (baby)	do.	52,300		1971	do.	9.50	28.00	¹ 2.00
Do (globe)	do.	51,700		1971	do.	9.50	28.00	¹ 2.00
Rwanda:								
200 francs	Royal Mint, London	30,000		1972	800 silver, 200 copper	18.00	32.00	¹ 2.60
2 francs	do.	5,000,000		1970	Aluminum alloy	1.50	23.50	¹ 2.00

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1978—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
						Grams	mm.	mm.
San Marino:								
100 lire.....	Italian Government Mint, Rome.	878,000	.....	1978	Chrome Steel	8.00	27.80	² 2.00
20 lire.....	do.....	1,290,697	.....	1975	Aluminum bronze.....	3.60	21.30	(²)
10 lire.....	do.....	1,270,000	.....	1974	96.2% aluminum, 3.5% magnesium, 0.3% manganese.	1.60	23.30	² 1.60
5 lire.....	do.....	790,697	.....	1976	do.....	1.02	20.30	(²)
1 lira.....	do.....	1,280,000	.....	1977	do.....	.63	17.20	² 1.20
Sao Tome and Principe:								
20 dobras.....	German State Mint, Karlsruhe.	500,000	2,500	1977	Cupronickel	8.00	29.00	(²)
10 dobras.....	do.....	300,000	2,500	1977	do.....	6.50	26.00	(²)
5 dobras.....	do.....	750,000	2,500	1977	do.....	5.00	23.00	(²)
2 dobras.....	do.....	1,000,000	2,500	1977	do.....	2.50	18.50	(²)
1 dobras.....	do.....	1,500,000	2,500	1977	Brass.....	3.00	20.00	(²)
50 centimos.....	do.....	2,000,000	2,500	1977	do.....	1.75	17.00	(²)
Saudi Arabia:								
1 riyal.....	Royal Mint, Llantrisant.....	250,000	.....	1978	75% copper, 25% nickel....	11.90	30.00	(¹)
50 halala.....	Pakistan Mint, Lahore.....	500,000	.....	1972	do.....	6.50	26.00	¹ 1.70
25 halala.....	do.....	200,000	.....	1973	do.....	5.00	23.00	¹ 1.60
10 halala.....	Royal Mint, Llantrisant.....	1,000,000	.....	1978	do.....	4.00	21.00	¹ 1.60
5 halala.....	do.....	1,000,000	.....	1978	do.....	2.50	19.50	¹ 1.50
Sierra Leone:								
2 leones.....	Royal Mint, London.....	20,000	.....	1976	Cupronickel	13.50	30.00	n.a.
Seychelles:								
10 rupees.....	do.....	n.a.	n.a.	1977	do.....	18.14	34.50	(¹)
10 cents.....	do.....	n.a.	n.a.	1977	Brass.....	6.18	21.10	(¹)
5 cents.....	do.....	2,200,000	.....	1972	Aluminum alloy.....	.78	17.01	² 1.70
Do.....	do.....	600,000	.....	1975	do.....	.78	17.01	³ 1.70
Do.....	do.....	n.a.	n.a.	1977	do.....	.78	18.40	³ 1.70
1 cent.....	do.....	2,350,000	.....	1972	do.....	.70	16.60	¹ .91
Singapore:								
5 cents.....	Chartered Industries of Singapore.	3,049,046	.....	n.a.	99.5% aluminum	1.24	21.23	² 1.27
Solomon Islands:								
1 cent.....	Royal Mint, Llantrisant.....	800,000	.....	1977	Bronze.....	2.60	17.52	(²)

Somalia:									
5 shillings	Royal Mint, London	100,000	1,000	1970	75% copper, 25% nickel	28.00	38.00	1	3.00
1 shilling	do	10,020,000		1976	do	6.20	25.50		n.a.
50 senti	do	5,040,000		1976	do	3.80	21.10		n.a.
10 senti	do	20,500,000		1976	Aluminum	1.40	22.50		n.a.
5 senti	do	11,000,000		1976	do	.90	19.05		n.a.
Sudan:									
1 pound	Khartoum Mint	10,000		1978	Cupronickel	30.00	40.00	7	n.a.
50 piastres	do	1,000,000		1973	75% copper, 25% nickel	22.45	40.00	12	2.10
Do	do	100,000		1977	do	15.50	32.00		(1)
25 piastres	do		24,035	1968	do	15.50	32.00	12	2.10
10 piastres	do	500,000		1976	do	10.00	27.70		(1)
5 piastres	do	500,000		1976	do	5.00	23.60		(1)
2 piastres	do	500,000		1976	do	3.00	20.00		(1)
10 milliemmes	do	3,000,000		1976	Brass	4.50	25.50		(2)
5 milliemmes	do	6,000,000		1972	95% copper, 4% tin, 1% zinc	3.24	21.20	1	1.15
Do	do	9,000,000		1973	do	3.24	21.20	1	1.15
Do	do	3,000,000		1976	Brass	3.00	19.00		n.a.
Swaziland:									
1 lilangeni	Royal Mint, London	100,000		1975	Cupronickel	11.50	30.00		(1)
Do	do	100,000		1976	do	11.50	30.00		(1)
10 cents	do	1,500,000		1975	do	3.63	22.00		(2)
2 cents	do	1,500,000		1975	Bronze	2.79	18.60		(2)
1 cent	do	2,500,000		1975	do	2.05	17.80		(2)
Syria:									
1 pound	Sherritt Mint, Canada	500,000		1968	Pure nickel	7.50	27.00	1	1.50
Do	German State Mint, Karlsruhe.	500,000		1976	do	7.50	27.00	1	1.50
50 piastres	do	1,000,000		1976	do	5.00	23.50		n.a.
25 piastres	do	1,000,000		1976	do	3.50	20.30		n.a.
10 piastres	do	500,000		1976	Brass	4.00	21.00		n.a.
5 piastres	Sherritt Mint, Canada	15,000,000		1971	70% copper, 30% zinc	4.20	19.00	1	1.50
Do	German State Mint, Karlsruhe.	2,000,000		1976	Brass	3.00	19.00		n.a.
Tanzania:									
5 shilingi	Royal Mint, London	1,000,000		1971	75% copper, 25% nickel	13.60	33.00		2.30
Do	do	8,000,000		1972	do	13.60	33.00		2.30
Do	do	5,000,000		1973	do	13.60	33.00		2.30
Do	do	50,000		1978	do	13.60	33.00		(1)

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1978—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
						<i>Grams</i>	<i>mm.</i>	<i>mm.</i>
Thailand:								
150 baht	Royal Mint of Thailand	100,000	.....	1977	925 silver	26.00	35.00	(¹)
1 baht	do	9,000,000	.....	1972	Cupronickel	7.50	27.00	¹ 2.00
Do	do	9,000,000	.....	1977	do	7.00	25.00	(¹)
Tonga:								
2 pa'anga	Royal Australian Mint, Canberra	13,000	.....	1975	do	42.12	45.01	¹ 3.30
Do	do	12,000	.....	1977	do	42.12	45.01	¹ 3.30
Do	do	10,000	.....	1978	do	32.00	45.00	¹ 2.75
1 pa'anga	do	13,000	.....	1975	do	23.98	38.74	n.a.
Do	do	25,000	.....	1977	do	24.30	*47.00, 27.00	² 2.72
Do	do	10,000	.....	1978	do	16.00	*47.00, 27.00	² 1.90
50 seniti	do	40,000	.....	1975	do	14.58	31.65	² 2.64
Do	do	20,000	.....	1977	do	14.58	31.65	² 2.64
20 seniti	do	75,000	.....	1975	do	11.30	28.54	² 2.41
Do	do	25,000	.....	1977	do	11.30	28.54	² 2.41
10 seniti	do	75,000	.....	1975	do	5.66	23.60	¹ 1.90
Do	do	25,000	.....	1977	do	5.66	23.60	¹ 1.90
5 seniti	do	100,000	.....	1975	do	2.83	19.41	¹ 1.45
Do	do	110,000	.....	1977	do	2.83	19.41	¹ 1.45
2 seniti	do	400,000	.....	1975	Bronze	3.89	21.08	¹ 1.45
1 seniti	do	1,000,000	.....	1975	do	2.59	17.53	n.a.
Trinidad and Tobago:								
1 dollar	Sherritt Mint, Canada	250,000	.....	1969	Pure nickel	12.63	32.00	¹ 1.75
Tunisia:								
1 dinar	French Government Mint, Paris	100,000	.....	1970	680 silver, 320 copper	18.00	32.00	¹ 2.50
Do	Vereinigte Deutsche Metallwerke	n.a.	.....	1976	Cupronickel	10.00	28.00	(²)
½ dinar	do	n.a.	.....	1976	do	8.00	23.50	(²)
Turkey:								
150 lira	Turkish Government Mint, Istanbul	11,000	.....	1978	900 silver	9.00	30.00	¹ 1.87
50 lira	do	25,000	.....	1977	do	9.00	30.00	(¹)

5 lira.....	do.....	17,000.....	1976	Chrome/steel.....	11.00	32.70	(1)	
Do.....	do.....	25,000.....	1977	do.....	11.00	32.70	(1)	
Do.....	do.....	11,000.....	1978	do.....	11.00	32.50	1 1.73	
2½ lira.....	do.....	200,000.....	1970	do.....	9.00	30.00	1 1.65	
Do.....	do.....	25,000.....	1977	do.....	9.00	30.00	1 1.65	
Do.....	do.....	11,000.....	1978	do.....	9.00	30.00	1 1.65	
1 lira.....	do.....	11,000.....	1978	do.....	7.00	27.00	1 1.57	
50 kurus.....	do.....	11,000.....	1978	do.....	6.00	25.40	1 1.55	
10 kurus.....	do.....	1,090,000.....	1971	97% copper, 2.5% zinc, 0.5% tin.....	3.50	21.00	1 1.50	
Do.....	do.....	500,000.....	1972	do.....	3.50	21.00	1 1.50	
Do.....	do.....	10,000.....	1973	do.....	3.50	21.00	1 1.50	
Do.....	do.....	605,000.....	1974	do.....	2.75	21.00	1 1.50	
Do.....	do.....	517,000.....	1975	Aluminum.....	1.30	21.00	1 1.50	
Do.....	do.....	17,000.....	1976	do.....	1.30	21.00	1 1.50	
5 kurus.....	do.....	1,019,000.....	1975	do.....	.90	17.00	(2)	
Do.....	do.....	17,000.....	1976	do.....	.90	17.00	(2)	
Uganda:								
5 shillings.....	Royal Mint, London.....	100,000.....	5,000	1968	75% copper, 25% nickel.....	28.00	38.00	1 3.00
United Arab Emirates:								
5 fils.....	do.....	8,200,000.....	1973	Bronze.....	3.80	22.00	n.a.	
1 fil.....	do.....	4,000,000.....	1973	do.....	1.50	15.00	n.a.	
Uruguay:								
1000 pesos.....	Chilean Government Mint, Santiago.....	500,000.....	1969	900 silver.....	25.00	37.00	1 2.60	
Do.....	do.....	11,000.....	1969	Bronze.....	22.00	37.00	1 2.60	
Vatican City:								
500 lire.....	Italian Government Mint, Rome.....	110,000.....	1968	835 silver, 165 copper.....	11.00	29.00	1 2.00	
100 lire.....	do.....	315,000.....	1968	Steel containing 18% chrome.....	8.00	27.80	1 2.00	
50 lire.....	do.....	190,000.....	1968	do.....	6.25	24.80	1 2.00	
20 lire.....	do.....	105,000.....	1968	92% copper, 6% aluminum, 2% nickel.....	3.60	21.30	1 1.60	
10 lire.....	do.....	110,000.....	1968	96.2% aluminum, 3.5% mag- nesium, 0.3% manganese.....	1.60	23.30	1 1.60	
5 lire.....	do.....	100,000.....	1968	do.....	1.00	20.20	1 1.50	
2 lire.....	do.....	100,000.....	1968	do.....	.80	18.30	1 1.40	
1 lira.....	do.....	100,000.....	1968	do.....	.63	17.20	1 1.20	

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1978—Continued

Country and denomination	Coinage mint	Quantity issued		Year on coin	Metallic composition	Gross weight	Diameter	Thickness and edge
		Regular	Proof					
Vietnam:						<i>Grams</i>	<i>mm.</i>	<i>mm.</i>
20 piastres	Hamburg Mint, Germany	500,000	.....	1968	Nickel-clad steel	9.00	30.00	² 1.90
10 piastres (10 dong)	Stuttgart Mint, Germany	30,000,000	.....	1974	Brass clad steel	4.50	24.50	¹ 1.55
1 piastre	German State Mint, Karlsruhe.	30,000,000	.....	1972	75% copper, 25% nickel	4.00	22.50	¹ n.a.
Yemen Arab Republic:								
1 rial	Royal Mint, Llantrisant	7,000	.....	1978	Cupronickel	8.00	28.00	(¹)
50 fils	Royal Mint, London	25,000	.....	1974	do.....	5.20	24.00	(¹)
25 fils	do.....	40,000	.....	1974	do.....	3.00	20.00	(¹)
10 fils	do.....	200,000	.....	1974	Brass	4.00	23.00	(²)
5 fils	do.....	500,000	.....	1974	do.....	3.00	21.00	(²)
1 fil	Royal Mint, Llantrisant	7,000	.....	1978	Aluminum	.60	15.00	(²)
Yugoslavia:								
10 dinars	Belgrade	500,000	.....	1976	70% copper, 18% zinc, 12% nickel.	10.00	30.00	(¹)
5 dinars	do.....	500,000	.....	1971	do.....	6.75	27.50	¹ 1.75
2 dinars	do.....	500,000	.....	1971	do.....	5.00	24.50	¹ 1.55
1 dinar	do.....	500,000	.....	1976	do.....	3.80	21.80	(¹)
Zambia:								
50 ngwee	Royal Mint, London	70,000	.....	1969	75% copper, 25% nickel	11.70	31.00	² 1.90
Do	do.....	500,000	.....	1973	do.....	11.70	31.00	² 1.90

¹ Milled edge.² Smooth edge.³ Scalloped edge.⁴ Relief edge.⁵ Incuse edge.⁶ Rectangular.⁷ Multisided.

n.a. Not available.

r. Revised.

Note.—The Food and Agriculture Organization national coin issues presented in this table represent the first international coin issue in monetary history. The coins draw attention to the important challenges of our time: providing food, training, and work for a rapidly expanding world population.

SOURCE.—Food and Agriculture Organization of the United Nations, Rome, Italy.

The coins have two purposes: (1) to serve as daily reminders, over the period of a generation, of the national and international efforts necessary to meet the challenge of world food development, and (2) to provide, through seigniorage, funds to help finance such development.



Algeria



Bangladesh



Egypt



India



Indonesia



Lebanon



Madagascar



Maldives



Oman



Paraguay



San Marino



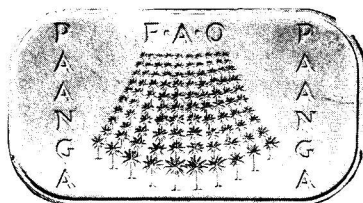
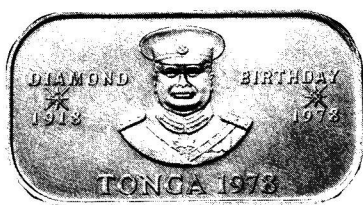
Saudi Arabia



Sudan



Tanzania



Tonga



Yemen Arab Republic

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