

Annual Report

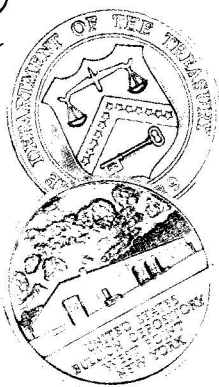


of the
Director
of the
Mint

Fiscal Year Ended September 30, 1978
Department of the Treasury



Annual Report



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of the
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Department of the Treasury
Bureau of the Mint
Washington, D.C. 20220

DEPARTMENT OF THE TREASURY

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LETTER OF TRANSMITTAL

DEPARTMENT OF THE TREASURY,

BUREAU OF THE MINT,

Washington, D.C. May 16, 1979.

SIR: I have the honor to transmit to you the One Hundred and Sixth Annual Report of the Director of the Mint, for the fiscal year ended September 30, 1978. 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. W. MICHAEL BLUMENTHAL,

Secretary of the Treasury.

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Secretaries of the Treasury, 1834–1978

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		W. Michael Blumenthal, Michigan	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 1792–1978

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 1978

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 1978 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 continued to produce coins during fiscal year 1978.

The numbers of employees in the headquarters and field installations decreased from 2,525 on September 30, 1977, to 2,455 on September 30, 1978.

On October 26, 1977,¹ President Carter submitted to the Senate the name of Stella B. Hackel of Rutland, Vermont, to be the Director of the Mint. On November 3, 1977, Mrs. Hackel appeared before the Senate Committee on Banking, Housing and Urban Affairs.² The Senate confirmed Mrs. Hackel's nomination on November 4, 1977. On Novem-

¹ See exhibit 2.

² See exhibit 3.

ber 9, 1977, the President signed the commission appointing Mrs. Hackel Director of the Mint. The accompanying illustration shows the Director of the Mint and the Secretary of the Treasury immediately after she had taken her oath of office.



Director of the Mint Hackel and Secretary of the Treasury Blumenthal

On March 15, 1978, the Senate confirmed the nominations of Evelyn T. Davidson, Shallie M. Bey, Jr., and Manuel A. Sanchez, Jr. to be, respectively, superintendents of the Denver and Philadelphia Mints and the United States Assay Office at New York.

Staff Operations

The Continuing Committee for the Audit of U.S.-owned gold located at the various Mint offices, had been established during fiscal 1976. The Committee was established pursuant to an order from 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 Commit-

tee'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, 1978, about 50 percent of the gold stored at Mint depositories had been audited and found intact. The continuing audit is planned to provide a complete audit for all U.S.-owned gold over a 10-year cycle ending in 1984.

During the fiscal year audits were made of storeroom operations, payrolls, severance payments, numismatic coin order processing, travel and training expenditures, payrolls, appropriation accounting, contract proposals, and the safety program. Audit reports concerning systems problems with TPPIS were issued to the Treasury Department Office of Audit for their information, since responsibility for the system was transferred to the Office of the Secretary during the fiscal year. These reports were related to problems with severance payments to Mint employees processed by TPPIS, the management of TPPIS, and the reconciliation of TPPIS reports with corresponding accounting records.

Internal audits during the fiscal year contributed to further strengthening of internal controls and accounting and reporting systems. Monetary savings attributed to audits during the year amounted to more than \$57 thousand.

A revised audit policy statement, approved by the Director of the Mint, was incorporated into the Mint Regulations. The revised regulations strengthen internal audit in the Mint and broaden the scope of audit coverage.

A lateral review of safety programs at Mint industrial facilities identified a need for increased safety awareness, more effective safety training, and closer monitoring of continuation of pay benefits to injured employees to ensure that injury claims are not overstated.

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, 37 Mint security officers completed the 5-week course at this facility. The principal security supervisor at the Philadelphia Mint completed the 7-week Criminal Investigators Course at Glynco.

The new computerized closed-circuit television and security alarm systems at the Philadelphia Mint became operational during the fiscal year.

During October 1977, 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.

During May 1978 a refinery worker at the New York Assay Office was arrested by Mint security while attempting to remove a quantity of gold from the building. The U.S. Secret Service conducted a vigorous investigation of the theft and arrested an outside accomplice for collusion in these violations.

Security cost surveys were initiated in Philadelphia and Denver relative to the possible use by the Mint of off-site facilities at Frankford and Rocky Mountain arsenals for storage and/or limited coin manufacturing operations.

During the fiscal year the Personnel Division, Office of Administration, was established as an independent Office of Personnel reporting directly to the Director of the Mint. Personnel Office functions were reorganized into separate operating and staff elements and title changes were made to designate functional responsibilities.

A new 3-year labor agreement between the Bureau of the Mint and the Mint council (AFGE) was signed by both parties on November 2, 1977. It became effective on December 15, 1977.

Coinage Activities

Domestic coinage

In April 1978 Secretary of the Treasury Blumenthal transmitted to the Congress proposed legislation to authorize a smaller dollar coin to replace the Eisenhower dollar coin in circulation. On May 17, 1978,³ the Director of the Mint testified on the technical aspects of the dollar coin proposal before the Subcommittee on Historic Preservation and Coinage of the House Committee on Banking, Finance and Urban Affairs.

On July 17, 1978, the Director testified⁴ before the Senate Committee on Banking, Housing and Urban Affairs in support of S. 3036. This legislation proposed a smaller dollar coin bearing the likeness of Susan B. Anthony on the obverse. The basic purpose of the new coin was to improve our coinage system by authorizing a useful coin for commerce and trade.

On August 22, 1978, the Senate approved S. 3036 authorizing the Secretary to mint and issue the smaller dollar coin bearing the portrait of

³ See exhibit 11.

⁴ See exhibit 16.



The Susan B. Anthony dollar coin

Susan B. Anthony on the obverse and the Apollo 11 eagle design on the reverse. An identical bill was approved by the House of Representatives on September 26, 1978. President Carter approved the legislation on October 10, 1978 (Public Law 95-447).

The Anthony dollar will be a clad coin. The cladding is an alloy of 75 percent copper, 25 percent nickel. It will constitute 50 percent of the total thickness of the coin. The core will be pure copper. The coin will weigh 8.1 grams and have a diameter of 26.5 millimeters. The design has an 11-sided border on both sides of the coin within the outer circular configuration, which will make it distinguishable by touch, as well as sight.

Specifications for the size, alloys, and other parameters necessary for coin handling and vending machine use of the Anthony dollar coin were developed by the Office of Technology. The economic impact, toxicity, slugging and tactile discrimination of the new coin were also researched.

Frank Gasparro, the Mint's Chief Sculptor-Engraver, executed both the obverse and reverse designs for the Anthony coin, as shown in the accompanying pictures of the galvanos of the coin. The artwork in bas relief sculpture was prepared during the fiscal year. It had been approved by the Secretary of the Treasury and the Fine Arts Commission before September 30, 1978.

During the 1978 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

5,260,137,000 coins with a face value of \$278,862,950; the Denver Mint manufactured 5,149,519,090 coins with a face value of \$182,020,827; the West Point Bullion Depository made 15,352,000 quarter dollar coins and 1,545,500,000 1-cent pieces, with a face value amounting to \$19,293,000; and the U.S. Assay Office, San Francisco produced 92,730,000 1-cent coins valued at \$927,300. These facilities of the Mint manufactured a total of 12,063,238,090 coins for general circulation with a face value of \$481,104,077 during the fiscal year.

The manufacture of 1-cent coins for general issue was resumed at the San Francisco Assay Office in July 1978. Circulating coin production at that site had been halted in May 1975. The 1-cent coins for general circulation produced during this period at San Francisco did not bear a mintmark.

A new reverse hub of the 1-cent design used in fiscal 1978 produced coinage dies and coins with a sharper detail.

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 and part of the required 1-cent strip in-house. Coinage strip for use at the Denver Mint and the San Francisco Assay Office was entirely purchased. Annealed/cleaned 1-cent blanks for West Point were furnished in major part from the Philadelphia Mint, with lesser quantities purchased. The costs of in-house strip continues to compare favorably with purchased strip costs.

By June 1978 copper prices had become sufficiently stabilized and the 1-cent inventory had become large enough for the Treasury Department to revoke the regulations which had been imposed in April 1974 prohibiting the exportation, melting, or treatment of 1-cent pieces. The revocation became effective June 7, 1978, following signature by Under Secretary Anderson.⁵

Stock and distribution of U.S. coinage.—The face value of the stock of U.S. fractional coins outstanding on September 30, 1978, was \$9,947,246,000, of which \$245,861,537 was held by the Treasury, \$260,787,687 was held by the Federal Reserve banks, and \$9,440,596,776 in circulation.⁶ On the same date \$652,277,000 worth of cupronickel clad dollars were outstanding. Of these \$38,514,186 was held by the Treasury, \$32,364,565 was held by Federal Reserve banks, and \$581,398,249 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 and the U.S.

⁵ See exhibit 12.

⁶ See table 8.

⁷ See table 9.

Treasury, Washington, D.C. During fiscal year 1978 the Mint shipped 13,448,000,000 newly manufactured coins with a face value of \$606,558,000 to these facilities.⁸

Mint inventories of coins were 3,227,600,000 on September 30, 1978, compared with 4,611,700,000 at the end of September 1977.⁹ Inventories in the Federal Reserve banks amounted to 2,638,370,164 coins making a combined inventory of 5,865,970,164 at the end of fiscal year 1978.

During the fiscal year under certain limited conditions, the Mint shipped coins directly to commercial banks or facilities. Coin shipments to these facilities must be accepted by agents designated by the Federal Reserve Bank. Direct shipments were being made to four banks in the New York Federal Reserve District and to two banks in the San Francisco District by the fiscal yearend. At that time shipments were averaging six to eight per month to the New York District and shipments to the San Francisco District about five or six a month. This is benefiting the Government in a number of ways, including savings in transportation costs, labor costs at the Federal Reserve banks, and the conservation of energy (fuel).

Experimental shipments of 1-cent coins in bulk containers to four Federal Reserve banks during the year proved very successful. The prototype tests indicate that the potential savings in labor and material cost under this concept could be very significant.

The loads of 1-cent coins shipped in the Western District were increased from \$57,500 to \$64,000 during the fiscal year. As a result, further savings in fuel consumption and transportation costs were realized.

A computerized and integrated forecasting and inventory control model was developed. The program was designed to project coin requirements and target inventories for each Federal Reserve bank.

1978 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 1978, no public members were appointed to the Assay Commission. However, as required by law, the statutory members met on the second Wednesday in February at the Philadelphia Mint 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

⁸ See table 6.

⁹ See table 7.

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 1977 for the February 8, 1978, meeting of the Annual Assay Commission. 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 1977

Denomination	Philadelphia Mint		Denver Mint		San Francisco Assay Office	
	Pieces	Value	Pieces	Value	Pieces	Value
Cupronickel clad dollars	151	\$151.00	490	\$490.00	53	\$53.00
Cupronickel clad half dollars	884	442.00	673	336.50	53	26.50
Cupronickel clad quarter dollars	9,361	2,340.25	5,187	1,296.75	53	13.25
Cupronickel clad dimes	15,962	1,596.20	7,478	747.80	26	2.60
Total	26,358	4,529.45	13,828	2,871.05	185	95.35

¹ Includes 112 quarter dollars made at the U.S. Bullion Depository at West Point.

Reimbursable Programs

Special coin programs.—The United States Assay Office at San Francisco manufactured regular proof coin sets and continued to assemble 40-percent silver Bicentennial proof and uncirculated sets for delivery, as required. A total of 18,580,890 proof coins with a face value of \$5,914,917 were produced during the fiscal year, in addition 131,908 sets of three Bicentennial coins were delivered during the fiscal year.¹⁰ All numismatic coins bore the “S” mintmark.

On April 3, 1978, the Mint began offering 1978 proof coin sets for sale to the public at \$9 per set.¹¹ These special sets contain one coin of each current denomination. By June 30, 1978, when the ordering period closed, 3.1 million sets had been purchased. Shipment of the sets began in May and was scheduled to continue through December 1978.

Approximately 2 million 1977 uncirculated coin sets were packaged at the San Francisco Assay Office from Philadelphia and Denver Mint-produced coins. These 12-coin sets, consisting of one coin of each denomination produced by each Mint, were shipped to customers who had ordered them between September 1 and October 31, 1977.

Congressionally authorized medals.—Public Law 95-229, enacted February 14, 1978,¹² authorized the Secretary of the Treasury to strike and furnish to the United States Capitol Historical Society a maximum of 104,000 medals by December 31, 1978. The medals were to commemorate an historic event or personality during 1777. By the fiscal yearend, 7,750 medals had been produced and delivered to the Society.

¹⁰ See table 1.

¹¹ See exhibit 9.

¹² See exhibit 6.

Other list medals.—Restrikes of the 3-inch oval pewter medal which had been designed for the 1977 Assay Commission¹³ were produced early in 1978. These medals were offered for public purchase for the first time at the American Numismatic Association Winter Convention in February 1978.¹⁴ Subsequently, they were made available for sale over-the-counter at Mint sales outlets at \$20 each.

Two additional medals of the Chief Justices of the Supreme Court series were completed in July 1978.¹⁵ The obverse of the Chief Justice Earl Warren medal was designed by Michael Iacocca, a Sculptor-Engraver at the Philadelphia Mint. The Chief Justice John Rutledge medal was designed by Philadelphia Mint Sculptor-Engraver, Edgar Steever. The obverse designs of the two medals, with the reverse design common to the entire series, are shown in the accompanying illustration.



The second set of medals in the Chief Justice series

¹³ See 1977 Annual Report of the Director of the Mint, page 7.

¹⁴ See exhibit 7.

¹⁵ See exhibit 17.

The first strikes of W. Michael Blumenthal's official Secretary of the Treasury medal were completed. Under Secretary Anderson presented these to the Secretary on September 19, 1978. The obverse of the medal, showing a full view portrait of the Secretary was designed by Frank Gasparro, the Mint's Chief Sculptor-Engraver. The reverse of the Medal featuring five seals in recognition of highlights of the Secretary's career, was designed by Philip E. Fowler, a Mint Sculptor-Engraver. Both sides of the medal are illustrated in the accompanying photograph.



Official medal of Secretary of the Treasury Blumenthal

National "List" medals in the traditional 3-inch size as well as the 1 $\frac{5}{16}$ -inch and 1 $\frac{1}{2}$ -inch sizes continued to be manufactured by the Mint throughout the fiscal year. Approximately 444 thousand list medals were produced at Mint installations during the fiscal year.¹⁶

Effective October 1, 1977, the prices of most Mint list medals were revised to reflect the increased cost of materials and labor. The charge for postage and handling of mail orders was also increased. These were the first upward revisions in prices since October 1, 1970.

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.

Foreign coinage.—U.S. Mint installations were in the process of manufacturing coinage for the Dominican Republic and Panama at the fiscal yearend. By September 30, 5,287,000 coins had been produced for the Dominican Republic.

¹⁶ See tables 11, 12, 13, and 14.

Through December 31, 1977, U.S. Mints had produced a total of 11,127,314,256 coins for 42 foreign countries.¹⁷

Because of prior commitments and the production workload, the Mint declined to bid on foreign coinage orders for Algeria, Bangladesh, Israel, and the Philippines during fiscal year 1978.

Administration

Financial operations

During the 1978 fiscal year the Bureau of the Mint deposited \$414,432,568 into the general fund of the Treasury. Seigniorage on U.S. coins accounted for \$367,156,260 of the deposit. Of this amount \$296,884,894 was derived from the production of cupronickel clad coinage; \$70,235,149 from minor coinage; and \$36.2 thousand from silver clad Bicentennial coin sets sold during the year.

Monetary assets and liabilities

ASSETS	September 30, 1977	September 30, 1978
Gold bullion.....	\$11,238,345,679.81	\$11,247,794,711.11
Silver bullion.....	141,517,341.05	141,356,431.37
Cupronickel clad dollar coin.....	52,373,989.00	38,452,141.00
Subsidiary coin.....	297,928,636.15	204,535,575.30
Minor coin.....	57,864,965.62	37,537,011.44
Coinage metal other than silver.....	239,937,475.74	220,118,953.66
All other.....	2,062,089.32	1,112,382.68
Total assets	11,930,030,176.69	11,790,907,206.56
LIABILITIES		
Bullion fund.....	11,689,902,195.80	11,568,529,952.73
Coinage metal fund.....	239,902,466.45	219,814,649.58
All other.....	225,514.44	2,562,604.25
Total liabilities	11,930,030,176.69	11,790,907,206.56

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

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

Income, expenses, and application of funds, fiscal year 1978

INCOME		In thousands
1. Coins manufactured (face value).....		\$487,250
2. Appropriation.....		41,000
3. Special Mint coin reimbursements.....		27,544
4. Medal Sales.....		878
5. Foreign coinage orders.....		---
6. Charges collected on deposits, etc.....		4
7. Sales of miscellaneous products.....		6,382
8. Sales of Government property, etc.....		207
9. Miscellaneous reimbursements.....		2,108
10. Miscellaneous revenues.....		41
11. American Revolution Bicentennial Medals.....		---
Total income		565,414

¹⁷ See tables 29 and 30.

Income, expenses, and application of funds, fiscal year 1978—Con.

COST OF OPERATIONS	
1. Accrued cost of operations (Includes Depreciation):	
a. Coinage (domestic)	\$32,002
b. Deposits	1,918
c. Protection	3,822
d. Refining	2,650
e. Executive Direction	325
Total operating cost	40,717
2. Cost of metal used in domestic coinage	78,072
3. Distribution of domestic coinage	2,479
4. Cost of manufacturing special mint coins	27,545
5. Cost of manufacturing medals	786
6. Cost of manufacturing foreign coinage	99
7. Cost of processing miscellaneous services	2,099
8. Less depreciation (included in cost of operations)	-2,213
9. Reconciliation of cost to obligations	-2,198
Total cost of operations	147,386
Excess of income over cost	418,028
APPLICATION OF NET INCOME	
1. Deposits to the General Fund of the Treasury	414,432
2. Expired appropriation	257
3. Inventory changes	2,239
4. Net increase in Coinage Profit Fund	1,100
Total funds applied	418,028

During the fiscal year 1978, the Mint embarked on a program to develop an automated Financial Management Information System (FMIS). The first module to be developed, the General Ledger and appropriation accounting Reporting/System is in the design stage with implementation scheduled for the latter part of fiscal 1979.

On May 21, 1978, the Office of the Secretary of the Treasury assumed operation of the Treasury Payroll/Personnel Information System (TPPIS). The Bureau of the Mint transferred 54 positions and \$400,000 to the Office of the Secretary to continue ongoing operations of the system for the remainder of fiscal 1978.

Gold and silver

Refining.—The electrolytic refinery at the New York Assay Office produced approximately 3.3 million fine troy ounces of silver during the fiscal year.

The Mint's refinery also produced approximately 2.0 million fine troy ounces of gold during the period.¹⁸

Approximately 1,807 ounces of surplus silver were recovered by the U.S. Assay Office at New York during the fiscal year 1978.

Unrefined bullion stocks.—On September 30, 1978, a total of 14.2 million fine troy ounces of unrefined and 6.5 million fine troy ounces of semiprocessed gold bullion, as well as 7.0 million fine troy ounces of unrefined and 4.5 million fine troy ounces of semiprocessed silver bullion were held by the two assay offices and the Denver and Philadelphia mints.¹⁹

Gold.—On September 30, 1978, the Fort Knox Gold Bullion Depository, the assay offices, and the mints held a total of 266,393,521 fine troy ounces of gold bullion valued at \$11,247,720,531.²⁰ The monetary value

¹⁸ See table 21.

¹⁹ See table 22.

²⁰ See tables 16 and 17.

of gold in the United States, \$42.22 per fine troy ounce, was the rate used for computing the value of the Mint's gold holdings.

Silver.—The silver balance held by the Bureau of the Mint totaled 39,208,331.41 fine troy ounces, valued at \$51,243,924, on September 30, 1978.²¹

Field Installations

The Philadelphia Mint

The Philadelphia Mint continued to improve the quality and quantity of the clad strip produced in-house. The plant produced approximately 73 percent of the strip required for the 5.26 billion coins manufactured during the fiscal year.

A high priority was assigned improvement of the plant work environment, which includes the reduction in the level of noise to which the workforce is exposed. The Philadelphia Mint succeeded in reducing the decibel level in its coin press area by enclosing noise-producing parts of the presses with soundproofing materials. A prototype riddle unit which will lessen noise levels was also constructed.

A study was begun during the fiscal year to evaluate the need and desirability of utilizing Frankford Arsenal, at Philadelphia, to supplement current coin production capacity.

Two contracts were awarded to identify air contamination and develop alternative means of controlling atmospheric conditions in the melting area of the Philadelphia Mint.

A special exhibit was designed and installed in the large display case on the mezzanine level of the Philadelphia Mint. The case contains medals and narratives arranged by subject including medals authorized to commemorate heroes of the War of 1812, the Mexican Conflict, and The American Civil War, as well as peace medals, humanitarian medals, medals recognizing technological advances, and others. During the fiscal year 295,587 visitors toured the public area of the Mint. This total included 744 groups, with an average of 49 persons per group.

The Bureau-designed 2-week Basic Supervisory Training Course was presented to 23 first and second line supervisors at Philadelphia Mint during the fiscal year. Career counseling was provided to 52 employees in the area of self-development, training, continuing education, and Government training practices.

The Denver Mint

In the interest of cost savings, plans for construction of a new Denver Mint have been abandoned in favor of the use of available surplus Government facilities in which to expand coin production capacity to meet future coinage requirements. A study was begun to evaluate the feasibility of using the Rocky Mountain Arsenal to supplement coin production capacity at the Denver Mint.

²¹ See tables 18 and 19.

Progress was made during the fiscal year to reduce the level of noise to which the Denver Mint workforce is exposed. Feeder systems on coin presses were being enclosed and riddle equipment was being isolated and enclosed at the fiscal yearend.

A forklift training program was initiated during the year in which more than 150 employees were trained and licensed for the safe operation of forklifts.

All first line supervisors participated in the 2-week training course conducted by the Bureau.

The Denver Mint began shipping coins under certain limited conditions directly to commercial banks or facilities. Coin shipments to these facilities must be accepted by agents designated by the Federal Reserve banks. As this program is expanded, substantial savings are expected to accrue to both the Bureau of the Mint and the Federal Reserve System.

During the fiscal year 260,840 visitors toured the public area of the Denver Mint.

The West Point Bullion Depository

Improvements in the unloading/loading, receiving area at West Point were completed during the fiscal year. The installation of hydraulic ramps, along with the expansion of the staging area and increased lighting have resulted in a more efficient, safer loading dock area.

Design work was completed and a contract awarded for the construction of a warehouse addition at the rear of the Depository for storage of miscellaneous items. The purpose of the addition is to release space within the vault area.

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

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

The Old Mint (San Francisco)

On June 8, 1978, an exhibit of silver U.S. commemorative coins was opened at the Old Mint Museum. This collection, which is prized for the artistry and historical and cultural significance of the coins, is on indefinite loan to the Museum from a member of the Pacific Coast Numismatic Society.

The Museum Division presented a sales exhibit and Old Mint slide show to the Annual California State Numismatic Association Convention in Los Angeles.

During the fiscal year 100,192 persons toured the Old Mint Museum. These visitors spent \$196,323 in the Sales Area of the Museum.

The use of first-class presorted mail rates by the Old Mint for the mailing of order cards for proof and uncirculated coin sets resulted in savings of \$65,507 during the fiscal year.

In May 1978 the TPPIS function was transferred from the Mint to the Office of the Secretary of the Treasury.

The U.S. Assay Office at San Francisco

Immediately before the imposition of the postal rate increase in early 1978, the San Francisco Assay Office accelerated the production, packaging, and shipping of the 1978 proof sets. By utilizing available overtime hours, that facility shipped 815,000 sets in the 10-day period before the postal increase became effective. This unprecedented effort saved the Treasury \$850,000 in postage costs.

The San Francisco Assay Office continued to manufacture, package, and deliver the six-coin U.S. proof sets. In addition, in July 1978, this mint facility resumed the manufacture of 1-cent coins for general circulation. All of the proof coins bore the "S" mintmark, while the coins for general issue bore no mintmark.

Fort Knox Bullion Depository

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

In January 1978, the Crown of St. Stephen with its supporting cast of one Sceptre, one Orb, one Sword, and one Coronation Vestment were removed from the Fort Knox Depository, and returned to Hungary. Extraordinary security measures were employed by Mint personnel during the inspection, packing, and shipping of these Hungarian treasures, which were handled by Department of State employees.

The U.S. Assay Office at New York

During the fiscal year 1978 approximately 105 assays and evaluations were conducted by the Assay and Quality Assurance Division for the Department of Defense. In conjunction with this service, Assay Office chemists made field trips to various Defense installations throughout the country to provide guidance and technical assistance in related matters, thus facilitating field work operations and lowering costs incurred for DOD's precious metal recovery programs. In addition, 37 assay reports of gold and silver deposits were made for other Government agencies.

Special assays, at cost, were conducted on 991 samples of gold and silver bullion and scrap as a service to the commercial community.

The New York Assay Office refined 3,257,560.10 fine troy ounces of silver and 2,040,848.525 fine troy ounces of gold during the fiscal year.

A Secret Service Security Survey of the New York Assay Office was conducted during fiscal year 1978. As a result, modifications were made in the physical security system, as well as the procedures relating thereto.

EXHIBITS

Exhibits

Exhibit 1.—Press release, October 3, 1977, concerning addition of President Carter's medal to National Medals List

The 3-inch bronze high-relief medallion and the 1- $\frac{5}{16}$ -inch bronze miniature of President Jimmy Carter's Presidential medal have been added to the Mint's National Medals List and are now available for sale to the public, Acting Director of the Mint Frank H. MacDonald announced today.

The Mint's chief sculptor and engraver, Frank Gasparro, designed both the obverse and reverse of President Carter's medal-of-office. A likeness of President Carter appears on the obverse. Fifty stars encircle the reverse design bearing the Presidential seal and an excerpt from his Inaugural Address on January 20, 1977, reading: "The American dream endures. We must once again have faith in our country. Jimmy Carter."

The 3-inch bronze medal is for sale at \$6 over-the-counter at Mint sales outlets in Washington, D. C., Philadelphia, Pa., Denver, Colo., and San Francisco, Calif. And for \$6.30 by mail order.

The 1- $\frac{5}{16}$ -inch bronze medal is priced at 50 cents over-the-counter and costs 60 cents by mail order.

The Mint has recently revised the brochure titled "Medals of the United States Mint" that lists the approximately 350 medals that comprise the National Medals List of bronze medals produced by the U. S. Mint. The medals date back to the American Revolutionary War and some, like the early Presidents' medals, are relics of the Nation's Indian Policy.

Among the series titles are: The Presidential medals; the Secretaries of the Treasury; the Directors of the Mint; a unique selection of Army and Navy medals; the National Historical series; official Mint Medals and Historic Buildings; and the Historic Customhouse Medals.

Price increases for the medals are reflected in the new brochure, available free-of-charge. The increases were necessary to meet the rising costs of salaries, supplies and postage and to keep the National Medals program self-supporting.

Please address all mail orders for President Carter's medals and requests for free medals brochure to: Bureau of the Mint, 55 Mint Street, San Francisco, CA 94175.

Exhibit 2.—Press release, October 26, 1977, concerning the President's nomination of Stella B. Hackel to be Director of the Mint

The President today announced that he will nominate Stella B. Hackel, of Rutland, Vermont, to be Director of the Mint. She would replace Mary T. Brooks, resigned.

Hackel was born December 27, 1926, in Burlington, Vermont. She received a J.D. from Boston University School of Law in 1948.

She was elected city grand juror (city prosecutor) of Rutland in 1956, and was reelected annually until 1963. From 1963-73 she was commissioner of the Vermont Department of Employment Security and chairman of the Employment Security Board.

Hackel practiced law in Rutland from 1973-75. From 1975-77 she was treasurer of the State of Vermont. She was the Democratic candidate for governor of Vermont in 1976. Since earlier this year she has been city attorney of Rutland.

Exhibit 3.—Transcript of proceedings, November 3, 1977, before the Senate Committee on Banking, Housing, and Urban Affairs concerning the nomination of Stella Hackel, of Vermont, to be Director of the United States Mint.

The committee met at 10:05 a.m. in room 5302, Dirksen Senate Office Building, the Honorable William Proxmire, (chairman of the committee) presiding.

The CHAIRMAN. We will come to order.

Our first nominee this morning is a distinguished lady from Vermont, Mrs. Stella Hackel. We are delighted to have her.

Why don't you come forward, Ms. Hackel. Invite your two distinguished escorts, the Senators from Vermont.

Ms. Hackel, now that you are seated and comfortable, I will ask you to rise and raise your right hand.

(Mrs. Hackel sworn.)

STATEMENTS OF THE HONORABLE PATRICK J. LEAHY AND THE HONORABLE ROBERT T. STAFFORD, UNITED STATES SENATORS FROM THE STATE OF VERMONT.

The CHAIRMAN. I will ask the distinguished senior Senator, Senator Stafford, to proceed. Senator STAFFORD. Thank you very much, Mr. Chairman.

It is a real pleasure for me to have this chance to appear here with a fellow townsman, Stella Hackel, who shares with me the fact of living in Rutland, Vermont.

I have known Mrs. Hackel for a number of years. I won't say exactly how many, but we each have had the experience of raising children in the City of Rutland, Vermont, and Mrs. Hackel is one who has shared with me at different times, being the Rutland city prosecutor, for whatever that may be worth.

The CHAIRMAN. Being the what?

Senator STAFFORD. Rutland city prosecutor. Our home town is a little city of about 20,000 people, with the usual minor crimes you might expect to find in a city of about 20,000.

More recently, Stella has been the Commissioner of Employment Security in the State of Vermont in the State government, where she served with distinction, and the Treasurer of the State of Vermont.

Outside of her duties as a State official she has been a distinguished member of the Rutland County and Vermont Bar Associations, and a practicing lawyer in the State of Vermont.

So, having known her for a number of years and her family, I am very happy to have this chance to appear with her and with Senator Leahy and to give her my unqualified recommendation to be Director of the Mint. I am sure she will serve the country as she has the State of Vermont, with distinction, Mr. Chairman.

I appreciate this opportunity to appear here in her behalf.

The CHAIRMAN. Thank you, very much, Senator Stafford.

Senator LEAHY?

Senator LEAHY. Mr. Chairman, I can only echo the comments made by Vermont's distinguished senior senator.

I have known Mrs. Hackel also for a number of years. I have been in various facets of Vermont State government prior to coming here. I know of her fine work as Director of Employment Security for the State of Vermont, the excellent work she did as State Treasurer for the State of Vermont.

We have been friends for a number of years. We have been political allies. We have campaigned together for each other in various positions. But earlier this year, when I recommended to the President and recommended to Secretary Blumenthal that Mrs. Hackel be given a position in the Treasury Department, I emphasized that I made the

recommendation based on what I felt were her qualifications, not in any sense of friendship or any sense of political alliance.

When I recommend Vermonters for positions with the Administration, I do it in a sense of loyalty to the Administration by recommending only people who are qualified.

It is for that reason that I asked the Administration to consider her for employment. I felt that it was very definitely for the good of the Administration.

I was delighted when earlier this year I received word from them that Mrs. Hackel was being considered for a position with the Treasury Department. I personally feel very, very comfortable giving my wholehearted endorsement and recommendation for her, for this position.

I certainly urge you, Mr. Chairman, and the members of your committee to recommend her confirmation to the Senate, as I would urge the full Senate endorse this confirmation.

I thank you for the opportunity of being here this morning.

The CHAIRMAN. Thank you very much, Senator Leahy.

Mrs. Hackel, the Bureau of the Mint has, as I understand it, about 2,500 employees. It, as we know, manufactures coins, receives deposits of gold and silver bullion, safeguards the Government's holdings of monetary metals and refines gold and silver bullion. It also manufactures coinage for certain foreign governments.

The Mint does make and sell to the public medals of historic interest such as Presidential medals.

In addition to its own medal program, from time to time by an act of Congress the facilities of the Mint will be used to manufacture medals. These medals are sold at cost to the sponsoring groups and used as fund-raising devices for private groups.

You have a fine record as a lawyer. You certainly come with the warmest kind of recommendations by your two distinguished senators.

I notice that you graduated with honors from Boston University Law School. That's an excellent law school. I wonder about your administrative experience—2,500 people is a lot of people. We are concerned about efficient organization and operations in our Federal Government.

What is your feeling about administrative experience and how you could handle this kind of challenge?

Ms. HACKEL. My background in government administration is fairly extensive. While it was in a small State, the State of Vermont, many of the programs that are nationwide, we have some part of them in the State of Vermont.

I spent 10 years as the commissioner of employment security, which is one of the largest departments of State Government. Of course, as you know, unemployment insurance and jobs and employment services is covered in that.

I ended up, as a matter of fact, the president of the Interstate Conference of Employment Security agencies, which is the organization made up of the 50 State administrators.

During my term of office, I firmly believe and hope that we had one of the best departments in State Government. So from that point of view, I have had some administrative experience.

We did have a multi-million dollar budget, close to 400 employees at the end of my term in 1973. Thereafter, I did go back to practice law in Rutland, but ran for State Treasurer and held the position of State Treasurer for 2 years.

I think, therefore, I have had some considerable experience in Government administration, while I understand, of course, that the Federal Government and the Bureau of the Mint is larger.

The CHAIRMAN. I understand for the past few weeks you have been a consultant to the Treasury and also met with two of your predecessors, Mary Brooks and Eva Adams.

Do you plan any changes in the policies or operating procedures?

Ms. HACKEL. Mr. Chairman, I would say it is early on yet to plan changes in policies or operating procedures and, surely, on important policy decisions I would want the Treasury Department input and conferences. And that Mr. Blumenthal and Mrs. Anderson were in agreement with whatever important policy changes we might make.

We have, however, discussed with Mrs. Anderson some matters—in respect to retaining the penny or other issues that may be of importance, and will be formulating, I expect, some changes.

The CHAIRMAN. Have you had chance to familiarize yourself with the Treasury's review of our present coinage system? That study, as I understand it, suggested the possibility of taking the penny out of circulation because it is becoming too costly to manufacture and distribute, something that every American would be interested and concerned about.

I understand the Mint was conducting a consumer survey to test the public reaction to removing the penny.

Will the results of that survey be made available to the committee, and do you have any comments on the future of the penny as a circulating coin?

Ms. HACKEL. In respect to the 1-cent coin, and the retention or elimination of the coin, I have had some conferences with the Treasury Department officials on that matter.

The original reasons, as I understand them, for the proposal of the former Secretary of the Treasury that Congress consider eliminating the 1-cent coin were valid at the time, I expect, because the price of copper was rising and the production costs and diminishing utility of the coin were factors to be considered.

However, at this time, it is my understanding that a more recent review of the coin demand has resulted in modified production of projections as to what the attrition rate is going to be, what the demand is going to be. So now it appears we would have production capability through the mid-1980's to produce the penny if we decide to retain it.

And further, there is now being considered the possibility of an alternative to building the new Denver mint, which was in the nature of a \$60 to \$65 million facility. It may be that if we do need production facilities later on to produce the 1-cent coin, that we might be able to use a surplus Federal facility, and modify and equip it at a cost much closer, perhaps, to \$10 million.

In any event, the cost of production and manufacture, because the cost of copper appears now to be fairly stable, seems to indicate that there is no urgent need at this point to make the decision to eliminate the penny.

The decision obviously will be made at a higher level than mine, but, at this time, it would appear that there is no immediate need to take that action.

The CHAIRMAN. In a way it will be a sad day if we have to abandon the penny. It will certainly be a surrender to inflation and a recognition of the fact that we permitted our currency to depreciate as much as we have.

How about the Denver mint? Do you have any views on whether or not that should be completed?

We had hearings on that a year or two ago; very controversial issue.

Ms. HACKEL. It is a matter of whether or not the Denver Mint is necessary, obviously. There is not much point in constructing a new, very expensive facility if it is not essential. It is true that the old Denver mint is congested; the noise level is unacceptable.

It is an old plant, and some modifications there are required in terms of the safety of our workers and good manufacturing conditions for our people.

But in terms of a need to construct the new Denver Mint, I think that needs to be reconsidered with the possibility in mind of saving many millions of dollars by using a surplus Federal facility.

The CHAIRMAN. I just have a couple more questions.

I was surprised to learn that the mint uses four different methods to forecast the Nation's coinage requirements and quite different results can be achieved with each method.

That information was provided to the committee by the General Accounting Office last year when we considered legislation to build the new Denver Mint.

Has there been any attempt to develop a more reliable coinage forecasting program by the Federal Reserve System? Given the very models presently being used, how can the Mint accurately predict future coinage requirements?

Ms. HACKEL. It is very difficult, I am sure.

It is my understanding that back around 1972, the Mint and the Federal Reserve System were instructed by Congress to jointly try to forecast so the forecasting would be more accurate.

However, some few years later, it is my understanding, the Federal Reserve System's forecasting of the need for coins was in error, resulting in an overproduction which was apparently hard to store because of the limited storage facilities of both the Federal Reserve banks and the Mint.

Thereafter, I think since 1975, by an agreement of both parties, the Mint has taken on the responsibility of forecasting.

I am not, as of this time, familiar with the details of the forecasting system. I know that they have had different time limits, ranging from 3 years to 3 months in terms of what their needs may be. Long-range forecasting is on a 3-year basis.

The budget forecasting is on a 2-year basis, but in terms of the actual methods of forecasting, that I would have to learn more about. Certainly, I think the best—

The CHAIRMAN. Well, in this day and age with all of our advanced technology and greater degree of sophistication, things of this kind, you would think that while the Federal Reserve has made many blunders in many areas and is going to make more in the future, you would think this is one area where they would be able to work out a reasonably accurate system.

We will have Arthur Burns before us in a few days. We will go after him on it.

Another question.

The Mint also manufactures coins for certain governments which do not operate their own mints, such as Panama and Haiti.

How does the Mint obtain those contracts? Is there open solicitation? Is the U.S. Mint in competition with private mints in this country for this business?

Ms. HACKEL. I would say generally the U.S. Mint is not in competition with private mints. Traditionally, what the U.S. Mint has done is produce coins for circulation, commercial coins for friendly foreign governments which do not have sufficient coinage facilities or any coinage facilities at all.

However, in the near past, about 5 years ago, apparently the decision was made at the Mint to produce silver proof sets for Haiti, and that contract was completed 2 years ago.

As a matter of fact, those proof sets are now being advertised. In my judgment, that could fairly be said to be competitive with private industry.

In line with the Administration policy—and it is a very proper policy—that Government should not compete with private industry, that will be the direction in which I would tend to move.

In terms of circulating coins, commercial coins, I doubt that we are in competition with private industry because the private mints would have to compete as we compete, with the Canadian Mint, for example.

The volume required, billions of coins required, would be something that they would not be able to handle. Surely, as to silver proof sets—and that was an isolated instance, as I understand it from my people at the Mint—the mint should not compete with private industry.

The CHAIRMAN. Senator Garn?

Senator GARN. I have no questions, Mr. Chairman.

I think the President has submitted an excellent nomination and would hope the committee would approve it promptly.

Ms. HACKEL. Thank you.

Senator STAFFORD. Mr. Chairman?

The CHAIRMAN. Senator Stafford?

Senator STAFFORD. I would like to add if Mrs. Hackel runs into an excess of coinage that needs to be stored, I would like her to know I have an extra garage. (Laughter.)

The CHAIRMAN. I had the same idea.

Senator LEAHY. Mr. Chairman, I would make a similar offer, except having been visited last year, to my dismay, by the silver burglars in this area. I don't think I will make the offer. (Laughter.)

The CHAIRMAN. Thank you very much, Mrs. Hackel, Senator Stafford, Senator Leahy.

We appreciate your testimony very much. It's been helpful and responsive.

Exhibit 4.—Press release, January 10, 1978, concerning early completion of shipment of 1977 proof coin sets

Shipment of all 1977 Proof Coin Set orders was completed on December 21, 10 days sooner than the promised date on the ordering materials, Mrs. Stella B. Hackel, Director of the Mint, announced today.

"We were pleased to have been able to complete the shipments of 3.2 million sets ordered several days ahead of schedule," Mrs. Hackel said. This accomplishment was due to the fine efforts of Mint employees in both the Old San Francisco Mint and the San Francisco Assay Office. It is the Mint's objective to serve well the numismatic community throughout the country.

Orders for 1.7 million 1977 uncirculated coin sets were also in the mail by the end of the year and the remaining orders for over 300,000 sets will be shipped this month.

"The number of orders the Mint received this autumn for the 12-coin uncirculated sets exceeded expectations and production plans," Mrs. Hackel reported. "Rather than return those orders which exceeded the Mint's capacity to produce, package, and mail by the end of the year, we offered a refund to those customers who did not wish to wait for the later delivery date. Of the 111,000 customers involved, less than 1,000 chose to cancel their orders."

Mrs. Hackel requested that individuals inquiring about an order should note their Order Number and Customer (account) Number in their correspondence. Inquiries should be addressed to: Bureau of the Mint, 55 Mint Street, San Francisco, CA. 94175.

Exhibit 5.—Press release, January 24, 1978, concerning results of Mint survey of numismatic customers

Director of the Mint Stella B. Hackel today announced the results of a nationwide survey of the Mint's numismatic customers. Among other disclosures, the survey revealed customer satisfaction with the quality of the special coins and medals produced by the Mint, with 75 percent rating them Excellent or Above Average.

The survey, conducted last September, was sent to a random selection of customers on the 2.5 million name mailing list maintained by the Bureau of the Mint. Approximately 45.5 percent of those surveyed responded.

"The survey was taken to help the Mint know their customers better and to provide the products and services they desire," Mrs. Hackel said. "We were pleased to learn that a majority of the Mint customers surveyed are satisfied with the quality of Mint products."

The survey included questions on customer satisfaction with Mint products and services, preferences on new medal products, why collectors buy coins or medals and the demographic make up of Mint customers.

"To save for children and grandchildren" was the main reason selected by coin set purchasers (41 percent) as to why they purchased the coin sets—with "Investment" the second most popular reason (28.2 percent). Medal customers selected "Historic Value" as their main reason for buying (41 percent) with "To save for children and grandchildren" the second most popular reason (29.5 percent).

The survey also revealed that 98 percent of those questioned found the ordering instructions easy to understand.

Questions directed to medal purchasers revealed:

- Of five medal alloys listed (silver, pewter, bronze, gold-plated silver, and gold-plated bronze), first preference was silver and second most favorite was bronze.
- Almost one-third of those surveyed had no preference as to the size of medal offered. Approximately one-fourth selected the 1 ½-inch diameter as preferable and the least selected size was 1 inch diameter.
- A majority of medal customers prefer the medals to be offered individually rather than in a series; and if in a series, that the medals within the series be offered individually.

The survey also indicated that a majority of the Mint customers are between the ages of 36 and 65, have family income of \$10,000 and over, have had some college education, and have children living at home.

Exhibit 6.—An act to provide for the striking of a national medal to commemorate the bicentennial of an outstanding historic event or personality during 1777

[Public Law 95-229, H.J. Res. 386, Feb. 14, 1978]

Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That, in commemoration of the Bicentennial of the founding of the United States of America and the adoption of the Constitution of the United States of America and of those individuals who participated in the American Revolution, the Secretary of the Treasury shall strike and furnish to the United States Capitol Historical Society (hereinafter referred to as the "Society") no more than 104,000 medals with suitable designs, emblems and inscriptions to be determined by the Society, with the concurrence of the Commission of Fine Arts, subject to the approval of the Secretary of the Treasury. The medals shall be made and issued at such times and in such quantities as may be required by the Society and subject to the approval of the Secretary of the Treasury but no medals shall be made after December 31, 1978. The medals shall be considered to be national medals within the meaning of section 3551 of the Revised Statutes (31 U.S.C. 368).

Historic event
or personality
during 1777.
Bicentennial
commemorative
medals.

SEC. 2. The medals shall be furnished by the Secretary of the Treasury to the Society at a price equal to the cost of manufacture, including labor, materials, dies, use of machinery, and overhead expenses, plus a surcharge equal to 25 per centum of such cost of manufacture. Such surcharge shall be deposited in the Treasury as miscellaneous receipts. Security satisfactory to the Director of the Mint shall be furnished by the Society to indemnify the United States for full payment of the costs of manufacture.

Cost.

SEC. 3. The medals authorized to be issued pursuant to this Act shall be struck in bronze, silver and gold and shall be of such size or sizes as is determined by the Secretary of the Treasury in consultation with the Society.

Approved February 14, 1978.

Exhibit 7.—Press release, February 16, 1978, concerning sale of 1977 Assay Commission Medal to the public

Director of the Mint Stella B. Hackel today announced the 1977 Assay Commission medal will be offered for public sale—the first time ever for a Mint Assay Commission Medal. The medal will be offered at \$20 each at the American Numismatic Association winter convention in Colorado Springs, Colorado, February 15–19, 1978.

The oval medal is hand finished and made of pewter. It measures 60 by 76 mm. When the quantity of production is sufficient, it will be available for sale over-the-counter at Mint outlets at the Treasury Department in Washington, D. C., the Philadelphia and Denver Mints and the Old San Francisco Mint.

The Assay Commission medal in limited quantity has been struck each year and distributed to the public and ex-officio Commission members, and Treasury and Mint officials participating in the activity. There were no public members appointed to the 1977 Assay Commission.

"The medals are pewter and hand finished, so that the price must necessarily be more than that usually charged for Mint medals, to cover Mint costs as required by law," Mrs. Hackel stated. Mrs. Hackel emphasized that the medals will be identical to those produced last year.

The obverse design of the medal, executed by Mint Engraver Philip Fowler, bears a profile of Martha Washington and was adapted from Edward Grove's 1965 experimental coinage design. The Mint's chief Sculptor and Engraver, Frank Gasparro, assisted by Engraver Matthew Peloso, designed the reverse showing the first United States Mint at Philadelphia.

Exhibit 8.—Statement by Director of the Mint, February 18, 1978, before the American Numismatic Association Winter Convention, Colorado Springs, Colorado

Ladies and gentlemen of the head table, distinguished guests, members of the American Numismatic Association, and other friends:

I am very pleased and honored to be the banquet speaker at the first annual winter convention of the ANA, and to be here to congratulate you upon the opening of the ANA Museum Galleries. It is a most impressive event; and an accomplishment you must be very proud of indeed. I am delighted, both in behalf of the Mint and personally, to be here to participate with you in noting this high achievement.

As indicated to you in the introductory remarks, I had the honor to be confirmed by the U. S. Senate on November 4, 1977, as the 32d Director of the Mint for a term of 5 years, at the pleasure of the President. The Director of the Mint has the responsibility for managing one of the world's largest coin and medal producing facilities; and the next several years have been termed as among the most critical in the Nation's coinage history.

My professional background during the past 25 years has been that of a lawyer, a State Government administrator in the field of jobs and unemployment insurance, and State Treasurer of Vermont.

During that entire period of time, I admit: I was not a coin collector; or any other type of collector of rare and precious objects. I realize now that perhaps I missed something; and I am now beginning to take a positive interest in numismatic matters.

Please understand that I am first and basically interested in the overall general administration of the U. S. Mint. Its primary mission is the production of coins for use in the Nation's commerce. Extremely important, too, the Mint is the depository of the Government's holdings of gold and silver bullion and coin monetary assets.

The Mint organization comprises coinage mints located at Philadelphia and Denver, with auxiliary production of pennies at West Point; assay offices at San Francisco and New York—San Francisco packages and ships the Mint proof and uncirculated coin sets and New York Assay Office is a refinery; bullion depositories at Fort Knox, Denver, New York Assay Office, San Francisco Assay Office, and West Point; the Old Mint at San Francisco, housing the Mint Museum and our computer complex; and the Washington headquarters office.

It goes without saying that the overall general administration of the U. S. Mint includes its important numismatic responsibilities. I recognize fully that there are millions of people in this country who have a deep artistic, and also economic, interest in beautiful coins and medals. There is no question but that it is a serious responsibility of the U. S. Mint to serve them well; they are entitled to it.

The Mint is very pleased to be a part of this historic ANA convention. It chose to make the theme of its exhibit the nearby Denver Mint, one of the most historic of all Federal facilities. We decided to add our bit of history, too, by making available for public purchase for the first time at our exhibit here, an Assay Commission medal. The medal is hand finished in pewter and was designed for the 1977 Assay Commission, of which for the first time there were no public members.

It was in 1792 that the U. S. Mint was established. In the same Act of Congress, an Assay Commission was authorized. As many of you know, it has been the practice of the Mint since 1860 to strike medals in honor of the Annual Assay Commission. The medals have been struck in a small limited number each year and have never been offered for sale to the public by the Mint prior to this year, this month, here at your first winter convention.

Last week in Philadelphia the ex-officio members of the 1978 Assay Commission met on the statutory day, the second Wednesday in February. There were no public members appointed—and no medal struck.

The future of the Annual Assay Commission itself has not yet been determined at this time. The Assay Commission is the subject of a study by the President's Reorganization Project Staff. Should a decision be made to abolish the commission, the 1977 medal would be the last of them.

Now, I would like to direct my remarks to commemorative coinage. While we can well appreciate the interest of the numismatic community in commemorative coinage, the Department has long objected to the issuance of such coins. The Department's opposition stems mainly from the abuses resulting from the large number of commemorative coins authorized by Congress during the earlier part of this century in behalf of private sponsoring organizations.

The Department's concern with such commemorative coins has been shared not only by several of our Presidents, who vetoed commemorative proposals, but also by the Congress. Noting that "no country in the world permits such abuse of its coinage as has been permitted in this country," the Congress in 1939 imposed a general prohibition on the issuance of commemorative coins.

However, the Department has not objected to special coinage authorized by the Congress for the Government's own account rather than for the benefit of private sponsoring organizations. Thus, the Department raised no objection to the provision in the Bicentennial Coinage Act of 1973 which directed the minting of 45 million silver clad coins commemorating the Bicentennial of the American Revolution. The issue, were it to arise once again in proposed legislation, of a new commemorative coin for the Government's own account would receive careful and serious consideration by Treasury.

In respect to gold coinage, the Treasury Department would not be in favor of any proposal authorizing gold coins in the U. S. coinage system. That position is based primarily on international monetary considerations. It has long been the policy of the United States to diminish the role of gold in the international monetary system.

In respect to silver coinage, the Mint has sold to the public approximately 50 percent of the 45 million authorized 40 percent silver bicentennial coins. Also, the Mint now stores 900,000 of the three million 90 percent silver Carson City dollars remaining undistributed in 1970. Those coins were minted in the last century at the Carson City Mint.

In 1970 Congress transferred custody of the Carson City dollars from the Treasury Department to the General Services Administration for sale to the public. Between 1971 and 1974, GSA sold more than two million through mail bids. Now GSA is seeking legislation from Congress to authorize a market program to dispose of the remainder. The House Banking Subcommittee on Historic Preservation and Coinage currently has the matter under consideration. It is expected that hearings may be scheduled in early spring.

In reference to national medals, Congress just passed with amendments H.J. Resolution 386, sponsored by the U. S. Capitol Historical Society. It provides for the striking by Treasury of a national medal to commemorate the bicentennial of an outstanding historic event or personality during 1777. The bill now awaits Presidential signature.

The final version of H.J. Resolution 386 excludes a provision authorizing the Bureau of the Mint to use the Mint numismatic mailing list. At the Senate Banking Committee hearing, I expressed the position of the Department that the list must not be used on the grounds that it would be an invasion of privacy of the 2.5 million people listed; that it would be an unprecedented use in behalf of a privately-financed non-governmental agency; and if we did so, other nonprofit private organizations of equal worthiness would demand the same privilege. The ANA has also requested use of the list, and the answer must be the same. In accordance with Privacy Act notices published by the Treasury Department last September, the Mint's mailing list may be used only to announce Government numismatic items and to process orders from the public for those items.

Other amendments to H.J. Resolution 386 changed the national medal authorization from a 13-year series, to a single 1978 medal, to test its success in the market; and added, for the first time in a national medal law, a surcharge of 25 percent of cost of manufacture.

In respect to the Mint numismatic offerings this year, we project sales in 1978 of 3.5 million proof sets and 2.1 million uncirculated coin sets. We have carefully analyzed cost factors this year to determine if a reduction in price was possible while yet reimbursing Mint costs as required by law. We cannot reduce the price, but will hold firm and not increase it this year.

It will be a Mint objective now to make Mint coin sets and national medals more available to Americans generally, including those not necessarily numismatic collectors. We are considering potential distribution systems which would enlarge the present system. We now have a single public mail offering for proof and uncirculated coin sets. For national medals, souvenir sets, and bicentennial coin sets, the Mint has retail outlets in Philadelphia, Denver, San Francisco, and Washington. There are undoubtedly millions of Americans not on our list who cannot travel to those outlets, but who would be interested in coin and medal collecting if readily available. We would like to reach them.

In that connection, the Mint has determined that in 1978 coins minted in 1978 will be made available on a timely basis to the American public. We have modified the past Mint policy of first in—first out, meaning that all earlier dated year coins for commerce must be shipped to the Federal Reserve System prior to current year coins. Instead, this year we will ship from Denver all denominations of 1978 dated coins on a priority basis; and from Philadelphia all 1978 dated coins except 50¢ and \$1 coins, which will be shipped on a priority basis starting May 1, whether or not the backlog inventory of earlier years has been exhausted.

Further, in regard to new coins, the Department is considering a legislative proposal for a new, smaller \$1 coin. We would plan to have a sufficient inventory prior to placing the coin in circulation, to avoid a speculative numismatic-type market.

The Department no longer pursues elimination of the 1-cent coin from our coinage system. Instead, to enlarge production capacity we are exploring the possibility of acquiring surplus federal facilities to strike 1-cent coins. Also, we may utilize the San Francisco Assay Office once again as a production facility for the 1-cent coin. We recognize, of course, that production at San Francisco must be of sufficient quantity to avoid the speculation that occurred when "S"-mint cents were last struck for circulation in 1974.

In closing, I want to take this opportunity to express the deep appreciation of the Mint for the many courtesies extended to my people and me here at this convention. I have been very much impressed by the high calibre and distinction of the officers and members of the ANA. It has been interesting experience and a great pleasure to be here. I hope you invite me back, and often.

Exhibit 9.—Press release, March 29, 1978, concerning acceptance of orders for 1978 proof coin sets

Mint Director Stella B. Hackel today announced that orders for the 1978 proof coin sets will be accepted beginning April 3, 1978, at the San Francisco Old Mint.

The 1978 proof sets will be sold for \$9 each with a limit of five sets per customer. "We are pleased that the selling price can remain the same as last year's sets," Mrs. Hackel said.

The 1978 sets contain the six coins presently made by the Mint—a cupronickel dollar, half dollar, and quarter, and the dime, nickel, and cent. The coins are sealed in an airtight display case.

Proof coins bear the "S" mint mark and are produced only at the San Francisco Assay Office, Mrs. Hackel explained, and they require special handling. Each coin is struck twice as opposed to the single strike given our regular circulating coins. In addition, specially polished blanks and dies are used which produce jewel-like coins.

Since limited production and mailing capability make it necessary to limit the ordering period for these sets, Mrs. Hackel urged individuals interested in obtaining 1978 proof sets to order as soon as possible. Orders will be accepted for approximately 2 months, and the sets will be mailed out by the end of December. The Mint must reserve the right to cancel any orders which exceed production capacity.

The Director noted that those individuals already on the Mint mailing list would receive information in the mail shortly. Individuals not on the mailing list can order sets by writing to the Bureau of the Mint in San Francisco, indicating how many sets they wish to order (limit of five sets per individual), their name and address and enclosing a check or money order payable to the Bureau of the Mint. Orders should be mailed to: Bureau of the Mint, 55 Mint Street, San Francisco, CA 94175.

Exhibit 10.—Press release, May 1, 1978, concerning first shipments of 1978 proof coin sets

The first group of 1978 proof coin sets were mailed from the San Francisco Assay Office today, announced Mrs. Stella B. Hackel, Director of the Mint.

The Director said that orders would be mailed each working day in the next several months. Those customers not in the first group to be mailed their sets will receive an acknowledgement card indicating their order number and the date by which their order will be delivered.

During the first 2 weeks of the ordering period, which opened April 3, 1978, the Mint received approximately 700,000 orders for over 2,000,000 sets. Staff members at the San Francisco Old Mint, where the orders are processed, indicate that a large quantity of orders

continues to arrive each day. The Mint anticipates that they will continue to accept orders through the end of May.

The 1978 proof coin sets contain a "proof" of each of the six coins presently being minted for circulation. These proof coins are produced by the San Francisco Assay Office and are the only coins with the "S" mint mark. Each proof coin is individually struck twice, using polished dies and blanks to produce a coin of jewel-like quality. The coins are sealed in a hard plastic case which protects and displays them.

The sets are priced at \$9 per set and individuals can order up to five sets. Individuals desiring to obtain these sets should write to the San Francisco Old Mint, 55 Mint Street, San Francisco, CA. 94175. A check or money order for the amount of purchase made payable to the Bureau of the Mint must accompany each order. The Mint reserves the right to cancel or reduce orders, pending their ability to meet the demand.

Exhibit 11.—Statement by the Director of the Mint, May 17, 1978, before the Subcommittee on Historic Preservation and Coinage of the House Committee on Banking, Finance and Urban Affairs

As Under Secretary Anderson has indicated, Mr. Chairman, my testimony will deal with the technical aspects of the \$1 coin proposal. I appreciate this opportunity to appear before you, Mr. Chairman, in support of this proposal. If the proposed bill meets the approval of the Congress, it would result in a significant improvement in our coinage system.

The limited usefulness of the current \$1 coin has been of concern to the Bureau for several years. It has been clear to us for some time that, primarily due to its cumbersome size and weight, the \$1 coin cannot effectively serve as a medium of exchange. Our views have been reaffirmed by an independent study conducted by the Research Triangle Institute, concluded in 1976. It was the finding of the study that a smaller \$1 coin, sized between the current quarter and half-dollar, would be far more acceptable to the general public than the existing coin.

Physical Characteristics

In determining the appropriate physical size of a new coin, the Mint has considered several factors, including handling convenience and the potential for counterfeiting or slugging. The recommended weight of 8.1 grams is the lowest possible weight for convenient handling by the general public, while at the same time, being sufficiently heavy to be readily distinguishable from the quarter. The quarter weighs 5.67 grams, thus, the proposed coin would be 43 percent heavier than the quarter.

I should point out, Mr. Chairman, that the weight for the new \$1 proposed in our legislation is specified as 8.5 grams. However, after submission of the proposal, we were advised by the coin sorting manufacturers that a \$1 coin with a slightly lower weight would facilitate high speed coin sorting. Since coin sorting machines are used by all major retailers and banks, we feel this is a legitimate consideration; thus, we now recommend that the weight be changed in the proposed bill from 8.5 grams to 8.1 grams.

The new \$1 would be distinguishable from the quarter by touch as well as by sight. The design proposed would have an 11-sided inner border on both sides of the coin within the outer circular configuration. This design element would provide a means for tactile recognition by the visually handicapped.

For purposes of high utilization in automatic merchandising devices, it is essential that the size of the coin preclude the use of readily available low value foreign coins of identical size to slug the equipment. A diameter of 1.043 inches in size (26.5 millimeters) best meets this requirement and has been endorsed by the major manufacturers of automatic coin handling equipment.

Further, to prevent the slugging of the new coin by reducing the diameter of the current half-dollar, the thickness of the cupronickel outer layers would be increased. The clad layers would constitute 50 percent of the total thickness of the coin as compared to one-third in our current cupronickel clad on copper coins.

Composition

Except for the two minor coin denominations, the cent and the nickel, all circulating U.S. coins are made of a cupronickel alloy bonded on both sides to a pure copper core. This composition has many advantages, including superior surface wear and appearance, and relative low cost to produce. Overall, it is approximately 90 percent copper, and economically, fabricated into coinage strip for high relief coins. Also, the unique electrical properties and density of this cupronickel ("sandwich") laminate make it very difficult to counterfeit or slug.

Many materials—including several copper alloys, titanium, and other clad combinations—were tested to determine the most suitable composition for the new coin. The results of the studies indicate that the best overall material is a 75 percent copper/25 percent nickel alloy clad on a 100 percent copper core.

Except for the thickness of the cupronickel cladding for the new smaller \$1 coin, this laminate is the same material now being used in all of our coin denominations other than the 5-cent and 1-cent coins. Manufacturing cost is estimated at 3 cents per coin compared to 8 cents for the current 1.5 inch diameter dollar coin.

Design

Throughout our history various Liberty designs have been predominant on our circulation coins until the last few decades when, on historically significant occasions, U.S. Presidents were selected for such honor. Benjamin Franklin, who holds a unique position in our history, appeared on the half-dollar for a period of 15 years, and is the lone exception to the abstract or Presidential designs.

The recommended design for the obverse is a modern or stylized female Liberty Head. This historic design appeared on the first U.S. coins minted in 1793, and appeared in various forms on almost all denominations of our coins through modern times. The female Liberty Head is symbolic of and honors all women rather than any particular individual. It is accompanied by the Phrygian Cap which has been a symbol of freedom for over 2,500 years and has repeatedly appeared on our coins. It is most appropriate that such a historic American design once again return to an American coin.

The recommended design for the reverse is a soaring or volant eagle. The eagle has appeared on the reverse of every \$1 coin since 1794 with the exception of the gold coins. The recommended design, though similar to the 1916 quarter-dollar eagle, is a more vivid rendition emphasizing the independence and spirit which characterizes this national symbol.

Many distinguished American men and women have made substantial contributions to our country which are worthy of recognition. A select few have been honored on limited issue commemorative coins. The new \$1 coin is intended to circulate widely; thus, a design consistent with the historical precedents established by the Secretary of the Treasury and the Congress would be most appropriate. In our view, expanding the field of design selection beyond historical abstracts and U.S. Presidents would set an unwise course in coin design, and invite a controversial debate which would tend to damage the overall success of the proposal.

Eisenhower Dollar

As the Under Secretary noted in her testimony, the proposed bill would authorize the Department to continue the minting of the 40 percent Eisenhower silver dollar in its present

size. If approved by the Congress, the bill would thus authorize the first commemorative U.S. coin to differ not only in design and alloy but also in size from the circulating coin of identical denomination.

Production Plan

At such time as the legislation is approved by the Congress, the Mint would immediately start the contracting process for the necessary coinage strip. This would take approximately 3 months; at that point, we could start the actual production of the coins. Were the recommended design adopted, approximately 2 months would be required for the Mint to complete the fabrication of dies and the procurement of the production tooling necessary for the new coin, during which time the coinage strip would also be procured.

Our plan is to undertake production at an accelerated rate, producing 500 million pieces of the new coin in 6 months, prior to their release to the public. Such a large inventory of coins prior to initial distribution would assure an equitable and adequate supply of coins throughout the Nation.

This statement concludes my prepared remarks, Mr. Chairman. I would be pleased to answer any questions you may have.

Exhibit 12.—Revocation of regulations prohibiting the exportation, melting, or treating of one-cent coins, May 31, 1978

Title 31—Money and Finance: Treasury

CHAPTER I—MONETARY OFFICES, DEPARTMENT OF THE TREASURY

PART 94—COIN REGULATIONS

Revocation of Part

AGENCY: Department of the Treasury.

ACTION: Final rule.

SUMMARY: To protect the coinage of the United States, the Secretary of the Treasury issued regulations effective April 18, 1974, prohibiting under criminal and civil penalties the exportation, melting or treating of one-cent coins. Because of changed economic conditions and other factors, including the large inventory of cents maintained by the Government, the prohibitions are no longer necessary. Accordingly, the prohibitions on the melting, treating or exporting from the United States of one-cent coins are revoked. This revocation will not be retroactive and, therefore, will not operate to authorize any melting, treating or exporting of one-cent coins which took place in violation of part 94.

EFFECTIVE DATE: June 7, 1978.

Dated: May 31, 1978.

BETTE B. ANDERSON,
Under Secretary of the Treasury.

Exhibit 13.—Press release, June 9, 1978, concerning revocation of the one-cent coin melting ban

The Treasury Department announced today that the regulations prohibiting the exportation, melting or treating of 1-cent pieces have been revoked.

The ban on the exportation, melting or treating of 1-cent coins was imposed by the Secretary of the Treasury in April 1974. The restrictions were placed into effect primarily because high copper prices at the time made it potentially profitable to melt 1-cent coins for their metal content or to export them. Violations of the regulations carried a statutory penalty of up to \$10,000 and/or 5 years imprisonment.

Because of changed economic conditions, including stabilized copper prices and the large inventory of 1-cent coins maintained by the Government, the Department has determined that the prohibitions are no longer necessary. The revocation became effective on June 7, 1978.

Exhibit 14.—Press release, June 26, 1978, concerning appointment of George B. Wright as Officer-in-Charge of the Fort Knox Gold Bullion Depository

Director of the Mint Stella B. Hackel today announced the appointment of Mr. George B. Wright to the position of Officer-in-Charge of the United States Bullion Depository at Fort Knox, Kentucky, effective July 5, 1978. He succeeds Mr. Victor H. Harkin, who retired February 28, 1978.

A major portion of the Nation's gold reserves is stored at the Bullion Depository at Fort Knox. The duties of the Officer-in-Charge entail the responsibility for implementing all protective measures to insure the security of the gold stores in his custody and for coordinating and directing all other activities at the Depository.

Mr. Wright has been employed by the Bureau of the Mint since 1970. Most recently, he has been the Chief of the Management and Organization Division at Bureau headquarters in Washington, D. C. Previously, he held the positions of computer systems analyst, Assistant Financial Manager, Project Manager of the Old San Francisco Mint during the early period of its restoration, and Special Assistant to the Officer-in-Charge of the San Francisco Assay Office.

Prior to his Federal Government employment at the Mint, Mr. Wright served 20 years in the military advancing in rank from Private to Lieutenant Colonel. He retired in June 1970. During his Army career, Mr. Wright served in various financial and administrative positions.

Mr. Wright earned a Bachelor's degree in Business Administration, majoring in accounting, from the University of Georgia. He is married and the father of two children.

Exhibit 15.—Press release, June 30, 1978, concerning closing of ordering period for 1978 proof coin sets

The Bureau of the Mint will stop taking orders for the 1978 six-coin proof sets on June 30, 1978.

Over 3 million sets have been ordered. The 1978 proof coin sets will be produced and mailed through the end of the year. Customers will receive an acknowledgement card indicating when their order will be delivered.

The Mint will be accepting orders this fall for the 12-coin 1978 uncirculated sets. The date for acceptance will be announced later this summer.

The uncirculated sets will contain six 1978 coins produced at the Philadelphia Mint and six coins made at the Denver Mint. The six denominations are a dollar, half dollar, quarter, nickel, dime, and cent.

Individuals who wish to be placed on the Mint's mailing list to receive order forms for the 1978 uncirculated sets should write to the Bureau of the Mint, 55 Mint Street, San Francisco, CA. 94175.

Exhibit 16.—Statement by the Director of the Mint, July 17, 1978, before the Senate Committee on Banking, Housing and Urban Affairs

I appreciate the opportunity to appear before you, Mr. Chairman, in support of legislation which would authorize the issuance of a smaller \$1 coin in replacement of the current \$1 coin. As you noted in your letter to Secretary Blumenthal announcing the hearing, the bill before you, S. 3036, is the same as the Administration's proposal with one notable difference. Instead of the Liberty head design proposed by the Administration, S. 3036 would require the Secretary to place a likeness of Susan B. Anthony on the new coin. Nonetheless, the thrust of both proposals is the same—to improve our coinage system by authorizing a useful coin for our commerce and trade.

Need for the New Coin

The current cupronickel clad dollar was first authorized by Congress in the Act of December 31, 1970, in replacement for the standard silver dollar. That statute repealed the Department's authority to mint and issue the standard 90 percent silver dollar, last struck in 1934, and authorized in its stead a base metal dollar coin having essentially the same size. Thus, the current \$1 coin has a diameter of 1.5 inches and weighs nearly 23 grams.

Since 1971, when the Mint began issuing the clad \$1 coin, it has not become a useful part of our coinage system. Because of the lack of public demand the \$1 coin has represented less than 1 percent of the Mint's annual production each year. Even this minimal demand for the \$1 coin can be primarily attributed to its usage in gaming machines rather than its usefulness as a medium of exchange.

The limited usefulness of the current \$1 coin has been of considerable concern to the Department for several years. It has become increasingly clear that, primarily due to its cumbersome size and weight, the current \$1 coin cannot effectively serve as a medium of exchange. Our views have been reaffirmed by a study conducted by the Research Triangle Institute, completed in 1976, which concluded that a conveniently-sized \$1 coin would significantly broaden the capabilities of consumer cash transactions. Subsequent to the completion of that study, the previous Administration submitted to Congress a report on the "State of the United States Coinage", which, among other recommendations, urged the Congress to authorize the replacement of the \$1 coin with a smaller size coin.

The smaller \$1 coin, which would be authorized by the pending bill, would be sized between the quarter and half-dollar, with a diameter of just over 1 inch and a weight of 8.1 grams. Such a smaller, more conveniently-sized coin would be far more acceptable to the general public and would ultimately gain widespread usage.

Our recommendation to issue a small \$1 coin is part of Treasury's long-range planning of the Nation's coinage and currency system. Other than the smaller \$1, we do not believe that any changes in our coinage system are necessary at this time. Thus, contrary to the previous Administration's recommendation to the Congress, the Department's view is now that the 1-cent coin can and should remain a useful part of our coinage system in the years ahead. Similarly, the Department has no intention at this time to eliminate the half-dollar coins from our coinage system. Rather than seeking statutory repeal of the authority to mint the half-dollar coin, we deem it sufficient to limit production to meet consumer demand.

It is my understanding that, with respect to Federal Reserve notes, the Department plans to produce the volume of 1-dollar notes needed by the Nation's commerce and trade. Of course, it is our hope that, with the introduction of the new \$1 coin, the demand for notes

will gradually decrease and that more notes will be displaced by the \$1 coin. Lastly, while public acceptance of the \$2 Federal Reserve notes has been rather disappointing so far, we are confident that with increased promotional efforts and cooperation by commercial banks and retail firms that denomination will gain increased acceptance.

Technical Considerations

Size, weight, and edge configuration.—In determining the appropriate physical size of a new coin, the Mint has considered several factors, including handling convenience and the potential for counterfeiting or slugging. The recommended weight of 8.1 grams is the lowest possible weight for convenient handling by the general public, while at the same time, being sufficiently heavy to be readily distinguishable from the quarter. The quarter weighs 5.67 grams; thus, the proposed coin would be 43 percent heavier than the quarter.

I should point out, Mr. Chairman, that in the Administration's proposal the weight for the new \$1 is specified as 8.5 grams. However, after submission of our proposal to Congress, we were advised by the coin sorting equipment manufacturers that a \$1 coin with a slightly lower weight would facilitate high speed coin sorting. Since coin sorting machines are used by all major retailers and banks, we feel this is a legitimate consideration; thus, we now recommend that the weight be changed in the proposed bill from 8.5 grams to 8.1 grams.

For the purposes of high utilization in automatic merchandising devices, it is essential that the size of the coin preclude the use of readily available low value foreign coins of identical size to slug the equipment. A diameter of 1.043 inches in size (26.5 millimeters) best meets this requirement and has been endorsed by the major manufacturers of automatic coin handling equipment.

The new \$1 would be distinguishable from the quarter by touch as well as by sight. The design proposed would have an 11-sided inner border on both sides of the coin within the outer circular configuration. This design element would provide a means for tactile recognition by the visually handicapped. At the same time, to prevent counterfeiting, the coin would have a reeded edge as do all other higher value U. S. coins.

Composition.—Except for the two minor denominations, the cent and the nickel, all circulating U. S. coins are made of a cupronickel alloy bonded on both sides to a pure copper core. This composition has many advantages, including superior surface wear and appearance, and relative low cost to produce. Overall, it is approximately 90 percent copper, and can be economically fabricated into coinage strip for high relief coins. Also, the unique electrical properties and density of this cupronickel laminate ("sandwich") make it very difficult to counterfeit or slug.

Many materials—including several copper alloys, titanium, and other clad combinations—were tested to determine the most suitable composition for the new coin. The results of the studies indicate that the best overall material is a 75 percent copper/25 percent nickel alloy clad on a 100 percent copper core.

Further, to prevent the slugging of the new coin by reducing the diameter of the current half-dollar, the thickness of the cupronickel outer layers would be increased. The clad layers would constitute 50 percent of the total thickness of the coin as compared to one-third in our current cupronickel clad on copper coins.

Except for the thickness of the cupronickel cladding for the new smaller \$1 coin, this laminate is the same material now being used in all of our coin denominations other than the 5-cent and 1-cent coins.

Economic considerations

Cost savings.—If the proposed \$1 coin is accepted by the general public, it could result in considerable savings both for our Government and the economy as a whole. The current \$1 coin costs about 8 cents each to produce as compared to the cost for the new coin which will be 3 cents each. This is a savings of greater than 60 percent per coin compared to the

existing coin. Based on the budgeted production for fiscal year 1978, the new coin would save \$4.5 million per year. With increased production generated by successful circulation, the savings would multiply.

The increase in demand for \$1 notes will soon necessitate additional facilities for the Bureau of Engraving and Printing. The \$1 note now represents 60 percent of currency production. A practical \$1 coin which circulates would primarily displace \$1 notes and 25 cent coins. To the extent that it displaces \$1 notes, the required facility expansion for the Bureau of Engraving and Printing, which would cost an estimated \$100 million, could be deferred for decades.

One dollar notes wear out in circulation and must be replaced in approximately 18 months at a cost of 1.8 cents each. Since each coin will last at least 15 years, the coin has, at a minimum, a 10-fold service life advantage. Considering the cost of the coin compared to the note, each coin would save over 80 percent of the production costs for the notes displaced.

Significant cost savings would also result for the Federal Reserve System. As Governor Philip E. Coldwell of the Federal Reserve Board testified before the House Subcommittee on Historical Preservation and Coinage on the small dollar proposal in May of this year:

"The Federal Reserve spent \$48 million for the printing of the new currency in fiscal year 1977. ***Of that \$48 million, \$28 million was spent to print nearly 2 billion \$1 notes. Thus, if all these \$1 notes were replaced by coins, the Federal Reserve would realize savings of \$28 million in printing costs.

"Most new \$1 notes are used to replace worn out notes. On the average, a new \$1 note only lasts for 18 months before it is worn out and destroyed. On the other hand, the new \$1 coin is expected to last for 15 years or more, a greater life expectancy by a factor of 10. Thus, while it costs \$28 million annually to maintain a circulation pool of 2.4 billion \$1 notes, replacing each note every 18 months, it would only cost \$5 million annually to maintain the same size pool of \$1 coins—a savings to the Government of \$23 million each year. If coins only replaced half the \$1 notes, the savings in production costs would still amount to \$11 million.

"...the Federal Reserve would also realize savings in lower handling costs for the coin, compared to the costs of handling notes. ***Our staff estimates the cost for processing 1,000 new coins at 51 cents compared to \$2.19 for processing 1,000 notes, including destruction costs. ***Thus, if \$1 coins replaced half the dollar notes, and if each coin were processed one time per year, the Federal Reserve would save an additional \$2 million, annually, in currency processing costs."

Inflationary impact.—In examining the potential economic impact of the proposal, the Department has also considered whether issuance of the new \$1 coin would have any inflationary effect. Federal Reserve Governor Coldwell in response to a question before the House Subcommittee, stated that he did not think the new coin would present any inflationary problems. The Department agrees with that assessment. We suggest that 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 note declines, the highest value coin becomes a far more necessary component of a Nation's coinage and currency system.

Also, while the new coin would enable the automated merchandising industry to offer a whole range of items not now available in vending machines, the pricing structure would still be governed by market forces. It thus seems reasonable to assume that any automatically vended item priced excessively high would be rejected by the consumer.

Distribution of coins

Production.—At such time as the legislation is approved by the Congress, the Mint would immediately start the contracting process for the necessary coinage strip. This would take approximately 3 months; at that point, we would start the actual production of the coins.

Were the recommended design adopted, approximately 2 months would be required for the Mint to complete the fabrication of dies and the procurement of the production tooling necessary for the new coin, during which time the coinage strip would also be procured.

Our plan is to undertake production at an accelerated rate, producing 500 million pieces of the new coin in 6 months prior to their release to the public. Such a large inventory of coins prior to initial distribution would assure an equitable and adequate supply of coins throughout the Nation.

Circulating efforts.—A task force composed of Treasury and Federal Reserve officials is examining the various ways which would stimulate general acceptance of the new coin. The objective of the task force is to develop recommendations for the effective circulation of the new coin which would, in turn, result in a corresponding reduction in the volume of Federal Reserve notes needed for circulation. In this effort, the Department will certainly need the cooperation of large retail firms, commercial banks, and the general public.

The task force is studying those banks and retail industries which handle significant quantities of coins and currency to identify the advantages of using the new coin. A leading fast food merchandiser estimates that two to three seconds can be saved per retail transaction if the coin is used instead of the \$1 note.

Studies indicate that the greatest difficulty in effectively circulating the new coin will be the required change in habits of retail clerks and bank tellers. An educational program aimed at retailers and banks will be required to overcome this important source of anticipated resistance to the new coin. The support of major retailers and banks will be crucial in this effort.

Only after clear success has been achieved in circulating the new coin could programed reduction of \$1 bill production be considered.

Design.—This takes us to design of the proposed coin, which, Mr. Chairman, has been the center of considerable public attention during the past several months. The Administration has recommended a modern stylized female Liberty head design for the new coin. This historical design appeared on the first U. S. coin minted in 1793 and appeared in various forms on almost all the denominations of our coins through modern times. The female Liberty head is symbolic of and honors all women rather than any particular individual. It is accompanied by a Phrygian Cap, which has been a symbol of freedom for over the past 2,500 years and has repeatedly appeared on our coins.

We believe that it would be most appropriate that the historic Liberty head design once again return to an American coin. However, we fully recognize that many distinguished American men and women have made substantial contributions to our country which are worthy of recognition. Susan B. Anthony, whose likeness would be placed on the new coin under S. 3036 is certainly among them. As a matter of fact, there have been over a 100 different candidates suggested by the general public to the Department for the new coin design, and a number of bills have been introduced in Congress to mandate the portrait of such outstanding Americans as Harriet Tubman, Abigail Adams, Georgia Gray, and Elizabeth Pole for the new coin. With your permission, Mr. Chairman, I would like to submit lists of suggested candidates for the record.

If the Congress desires to select a different design for the coin, be it Susan B. Anthony or any other that of course is its prerogative. While we continue to believe that the Liberty design should be depicted on the coin, the Treasury Department will defer that decision to the Congress. Essential, in our view, is that the new \$1 coin be authorized without undue delay so that we may proceed expeditiously with the production and issuance of the new coin.

This concludes my statement, Mr. Chairman. I will be pleased to answer any questions you may have.

Exhibit 17.—Press release, July 20, 1978, concerning completion of two additional Chief Justice medals

Mrs. Stella B. Hackel, Director of the Mint, today announced the completion of two additional medals of the Chief Justices of the United States Series. The medals honoring Earl Warren and John Rutledge are now available for sale to the public along with those commemorating John Jay and Warren Burger.

The Chief Justice Warren medal, designed by Michael Iacocca, a Sculptor-Engraver at the U.S. Mint in Philadelphia, has the inscription, "14th Chief Justice Earl Warren," surrounding the high relief portrait. The medal honoring the 2d Chief Justice, John Rutledge, was designed by Edgar Steever, also a Sculptor-Engraver at the Philadelphia Mint. Chief Justice Rutledge is depicted in the dress of his day rather than in the robes of the High Court as are the other Chief Justices. The reverse sides of all four medals are inscribed, "The Supreme Court of the United States," and display the seal of the Supreme Court.

Each antique bronze, 3-inch 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. Each medal may also be ordered by mail from the Mint. Please send a money order or check for \$6.30 made payable to the Bureau of the Mint and mail to: Bureau of the Mint, 55 Mint Street, San Francisco, CA 94175.

Exhibit 18.—Statement by Assistant Director of the Mint for Technology Alan J. Goldman, August 25, 1978, before the Senate Committee on Banking, Housing and Urban Affairs

On behalf of the Director of the Mint, I want to express my appreciation for the opportunity to testify on S. 2843, which would provide for the issuance of the one ounce and one-half ounce gold medallions by the Treasury Department. My testimony, Mr. Chairman, will focus on the production and technical considerations raised by the proposal.

S. 2843 provides that, whenever the Secretary determines to sell gold, all or part of the gold offered for sale shall be in the form of one ounce and one-half ounce medallions. If less than 1.5 million ounces of gold is sold in any fiscal year, the bill would require that the entire amount be sold in the form of medallions. If the Secretary determines that more than 1.5 million ounces of gold is to be sold during a fiscal year, the excess of gold over 1.5 million ounces may be sold in such manner as the Secretary deems appropriate.

The bill directs that the medallions be produced from .900 fine gold and that they contain, respectively, one ounce and a half-ounce of .999 fine gold. In the first year of production, the medallions would have to be struck in the ratio of two half-ounce medals for each one ounce medal; meaning, that the Mint would have to strike 2.25 million medals. Subsequently, the ratio of production would be left to the Secretary. The bill would also authorize the Secretary to adjust the production quantities to reflect anticipated market demand after the first year.

The medallions would bear various statutory design elements and inscriptions, including the Great Seal of the United States, the words "United States of America", and would be inscribed with the year of production. While no monetary value would appear on the medallions, they would bear the legends, respectively, "one ounce fine gold" and "one-half ounce fine gold."

We should point out that the Mint has never undertaken a program involving the production of 2.25 million gold medals a year. The recent Bicentennial gold medal program certainly represents no precedent. In contrast to the 2.25 million medallions, the entire Bicentennial program involved the production of less than 40,000 gold medals by the Mint. Nevertheless, if so directed, the Mint would have the production capability of manufactur-

ing 2.25 million gold medallions per year. To do so would, however, require additional equipment, adequate lead time, an increase in Mint personnel ceiling and the necessary funding by the Congress.

In order for the Mint to manufacture 2.25 million gold medallions a year, it would be necessary to procure and install a variety of additional equipment such as blank inspection tables and coin conveyor belts costing approximately \$100,000. It would also be required to modify and rearrange the manufacturing area at the West Point Bullion Depository and Philadelphia Mint, where the gold medallions could be produced. The cost of capital investment, together with the modification expenditures, are estimated to total \$250,000.

The production of the medallions would also necessitate the hiring of an additional 50 employees, including security personnel, for the duration of the program. Taking into account the additional manpower requirement, capital costs, as well as the procurement of fabricated gold medal blanks, the cost of each medallion is estimated at \$2. By far the largest element in this cost would be the fabrication of medal blanks by private industry—approximately \$1.30 per blank. It should be pointed out that this cost figure assumes that the Mint would supply fine gold to the commercial fabricators rather than 900 fine coin gold. Supplying the latter would require an additional refining charge of approximately 50 cents per blank.

For the premium quality medallions, the manufacturing and packaging cost is estimated at \$5 for each medallion. In addition, depending on the method of marketing, there could be additional promotional, mailing, and shipping costs involved. For example, if the medallions were shipped by registered mail to the purchaser, the registry and postal charges would cost \$3 to \$4 for each medallion at today's postal rates. The sales price would thus have to include the production and other costs in addition to the bullion value of the medallions.

While the Mint has general statutory authority to reimburse its appropriations for the manufacturing and marketing expenses from medal sales proceeds, without additional funding by Congress the Mint would not be able to begin this program. Using the lowest estimated unit cost of production for the medallions, it could cost the Mint approximately \$1 million to start up the program. This would cover the necessary capital and personnel expenditures and fabrication costs for an initial quantity of 500,000 blanks.

Assuming that the 500,000 medallions would be sold, the Mint could reimburse its appropriations from the proceeds of the sales and could thus continue producing the medallions. It should be emphasized, however, that if the sales fail to materialize, the program costs would be borne entirely by the Mint and thus total appropriations of approximately \$5 million would have to be made by the Congress for the production of 2.25 million medallions.

This completes my prepared statement, Mr. Chairman. I will be pleased to answer any questions which you or any other members of the Committee may have.

Exhibit 19.—Press release, August 28, 1978, concerning acceptance of orders for 1978 uncirculated coin sets

Mint Director, Stella B. Hackel, announced today that orders for the 1978 uncirculated coin sets will be accepted beginning September 1, 1978, at the San Francisco Old Mint.

The 1978 uncirculated coin sets will be sold for \$7 each with a limit of five sets per customer. "We are pleased that the selling price has not increased," Mrs. Hackel said.

The 1978 uncirculated coin sets contain 12 coins—a dollar, half dollar, quarter, nickel, dime, and cent 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-stripped polyester film. The six coins from the Philadelphia Mint, which have no mint mark, are sealed in blue-stripped polyester film. Both are inserted in a presentation envelope.

Since limited production and mailing capability make it necessary to limit the ordering period for these sets, Mrs. Hackel urged individuals interested in obtaining 1978 uncirculated coin sets to order as soon as possible. Orders will be accepted for approximately 2 months, and the sets will be mailed by the end of December. The Mint must reserve the right to cancel any orders which exceed production capacity.

The Director noted that those individuals already on the Mint mailing list would soon receive their order cards. Individuals not on the mailing list may order sets by writing to the Bureau of the Mint in San Francisco. They should indicate the number of sets they wish to order (limit of five sets per individual), their name, address, and enclose a check or money order payable to the Bureau of the Mint. Orders should be mailed to: Bureau of the Mint, 55 Mint Street, San Francisco, CA 94175.

TABLES

Tables

TABLE 1.—U.S. coins manufactured, fiscal year 1978

[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	37,598,006	\$37,598,006.00	3,096,815	\$3,096,815.00	40,694,821	\$40,694,821.00
Silver clad			131,908	131,908.00	131,908	131,908.00
50 cents:						
Cupronickel	33,588,506	16,794,253.00	3,096,815	1,548,407.50	36,685,321	18,342,660.50
Silver clad			131,908	65,954.00	131,908	65,954.00
25 cents:						
Cupronickel	*792,886,378	198,221,594.50	3,096,815	774,203.75	795,983,193	198,995,798.25
Silver clad			131,908	32,977.00	131,908	32,977.00
10 cents	993,856,628	99,385,662.80	3,096,815	309,681.50	996,953,443	99,695,344.30
5 cents	676,286,872	33,814,343.60	3,096,815	154,840.75	679,383,687	33,969,184.35
1 cent	*9,529,021,700	95,290,217.00	3,096,815	30,968.15	9,532,118,515	95,321,185.15
Total	12,063,238,090	481,104,076.90	18,976,614	6,145,755.65	12,082,214,704	487,249,832.55

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

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	13,736,000	\$13,736,000.00	23,862,006	\$23,862,006.00	37,598,006	\$37,598,006.00
50 cents	15,692,000	7,846,000.00	17,896,506	8,948,253.00	33,588,506	16,794,253.00
25 cents	523,768,000	130,942,000.00	253,766,378	63,441,594.50	777,534,378	194,383,594.50
10 cents	700,010,000	70,001,000.00	293,846,628	29,384,662.80	993,856,628	99,385,662.80
5 cents	406,716,000	20,335,800.00	269,570,872	13,478,543.60	676,286,872	33,814,343.60
1 cent	3,600,215,000	36,002,150.00	4,290,576,700	42,905,767.00	7,890,791,700	78,907,917.00
Total	5,260,137,000	278,862,950.00	5,149,519,090	182,020,826.90	10,409,656,090	460,883,776.90

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			3,096,815	\$3,096,815.00	3,096,815	\$3,096,815.00
Silver clad			131,908	131,908.00	131,908	131,908.00
50 cents:						
Cupronickel			3,096,815	1,548,407.50	3,096,815	1,548,407.50
Silver clad			131,908	65,954.00	131,908	65,954.00
25 cents:						
Cupronickel			3,096,815	774,203.75	3,096,815	774,203.75
Silver clad			131,908	32,977.00	131,908	32,977.00
10 cents			3,096,815	309,681.50	3,096,815	309,681.50
5 cents			3,096,815	154,840.75	3,096,815	154,840.75
1 cent	92,730,000	\$927,300.00	3,096,815	30,968.15	95,826,815	958,268.15
Total	92,730,000	927,300.00	18,976,614	6,145,755.65	111,706,614	7,073,055.65

¹ All numismatic coins were manufactured at the U.S. Assay Office, San Francisco, and included 2,050,556 1978 proof sets, 1,046,259 1977 proof sets, 110,044 Bicentennial proof sets, and 21,864 Bicentennial uncirculated sets.

* Includes 15,352,000 quarter dollars produced at the U.S. Bullion Depository, West Point.

* Includes 1,545,500,000 1-cent coins produced at the U.S. Bullion Depository at West Point.

* 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 1978.

TABLE 2.—*Subsidiary clad coins manufactured under the Coinage Act of 1965, 1971–September 1978*

Calendar year or month	Number of pieces			
	Half dollars	Quarter dollars	Dimes	Total subsidiary coinage
1971 ¹	460,485,562	371,142,566	543,828,378	1,375,456,506
1972 ²	298,337,667	529,383,399	765,097,667	1,592,818,733
1973 ³	150,905,024	582,671,024	773,472,050	1,507,048,098
1974 ⁴	193,848,350	587,286,350	1,043,948,350	1,825,083,050
1975 ⁵	475,946,493	1,394,516,493	902,288,569	2,772,751,555
1976 ⁶	149,952,590	859,928,181	1,268,132,504	2,278,013,275
Total 1971–76	1,729,475,686	4,324,928,013	5,296,767,518	11,351,171,217
1977:				
January	12,925,865	53,791,865	89,910,000	156,627,730
February	4,530,555	19,118,555	55,890,004	79,539,114
March	8,009,363	65,749,363	123,350,000	197,108,726
April	9,294,407	46,378,407	136,558,500	192,231,314
May	7,227,309	44,417,309	123,809,006	175,453,624
June	11,420,491	85,368,491	140,031,015	236,819,997
Subtotal Jan.–June 1977	53,407,990	314,823,990	669,548,525	1,037,780,505
July	6,395,852	50,129,852	83,495,471	140,021,175
August	5,235,353	74,031,353	79,996,095	159,262,801
September	6,510,693	69,368,693	80,108,802	155,988,188
October	589,978	61,955,978	88,599,903	151,145,859
November	2,204,858	82,570,858	96,273,966	181,049,682
December	4,172,936	75,670,808	78,765,618	158,609,362
Subtotal July–Dec. 1977	25,109,670	413,727,542	507,239,855	946,077,067
Total Jan.–Dec. 1977 ¹	78,517,660	728,551,532	1,176,788,380	1,983,857,572
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 ²	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
Subtotal July–Sept. 1978 ³	521,575	229,045,575	240,531,185	470,098,335
Cumulative total	1,837,842,803	5,629,397,002	7,206,869,854	14,674,109,659

¹ Includes 3,224,138 proof coin sets, i.e., 3,224,138 coins of each denomination (9,672,414 subsidiary coins).

² Includes 3,267,667 proof coin sets, i.e., 3,267,667 coins of each denomination (9,803,001 subsidiary coins).

³ Includes 2,769,624 proof sets, i.e., 2,769,624 coins of each denomination (8,309,872 subsidiary coins).

⁴ Includes 2,617,350 proof sets, i.e., 2,617,350 coins of each denomination (7,852,050 subsidiary coins).

⁵ 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.

⁶ 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.

⁷ 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.

⁸ Includes 1,558,371 regular proof sets, i.e., 1,558,371 coins of each denomination (4,675,113 subsidiary coins); 22,818 Bicentennial proof 40-percent silver-clad half dollars and quarters; and 12,293 Bicentennial uncirculated 40-percent silver-clad half dollars and quarters.

⁹ Includes 492,185 regular proof sets, i.e., 492,185 coins of each denomination (1,476,555 subsidiary coins); 17,782 Bicentennial proof 40-percent silver clad half dollars and quarters; and 2,608 Bicentennial uncirculated 40-percent silver clad half dollars and quarters.

NOTE.—All special mint and proof coins from 1971 through September 1978 were manufactured at the San Francisco Assay Office. See also note to table 1.

TABLE 3.—*Production of Kennedy half dollars, fiscal years 1964-78*

[Number of pieces]

Fiscal year	For general circulation			Total	Proof and Special Mint coins ⁴	Total
	90 percent silver ¹	40 percent silver ²	Nonsilver clad ³			
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
Total	429,509,450	844,273,423	1,805,792,878	3,079,575,751	51,094,562	3,130,670,313

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.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.....	do...	do...	do...	1.500	38.10	.100	2.54	350.00	22.680
Half dollar:									
Silver clad ⁴	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 ⁵	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	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 COINS¹

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.
Bicentennial ³	do.....	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 ⁶	Lincoln Memorial ⁶	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 design of a U.S. coin may not be changed more frequently than once in 25 years, except by act of Congress.

⁶ 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 1978

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

Denomination	Metallic content — short tons				Total
	Silver	Copper	Nickel	Zinc	
Dollars:					
Regular issue		861.67	78.30		939.97
Numismatic:					
Cupronickel.....		70.97	6.45		77.42
Silver clad.....	1.43	2.15			3.58
Total	1.43	934.79	84.75		1,020.97
Half dollars:					
Regular issue		384.89	34.97		419.86
Numismatic:					
Cupronickel.....		35.49	3.22		38.71
Silver clad.....	.67	1.00			1.67
Total	.67	421.38	38.19		460.24
Quarter dollars:					
Regular issue		4,542.82	412.80		4,955.62
Numismatic:					
Cupronickel.....		17.75	1.61		19.36
Silver clad.....	.34	.50			.84
Total	.34	4,561.07	414.41		4,975.82
Dimes:					
Regular issue		2,277.71	206.97		2,484.68
Proof coins		7.10	.64		7.74
Total		2,284.81	207.61		2,492.42
5-cent pieces:					
Regular issue		2,795.54	931.85		3,727.39
Proof coins		12.80	4.27		17.07
Total		2,808.34	936.12		3,744.46
1-cent pieces:					
Regular issue		31,033.92		1,633.36	32,667.28
Proof coins		10.09		.53	10.62
Total		31,044.01		1,633.89	32,677.90
Summary:					
Regular issue		41,896.55	1,664.89	1,633.36	45,194.80
Numismatic:					
Cupronickel.....		124.21	11.28		135.49
Silver clad.....	2.44	3.65			6.09
Proof coins		29.99	4.91	.53	35.43
Grand total	2.44	42,054.40	1,681.08	1,633.89	45,371.81

TABLE 6.—*Shipments by the Bureau of the Mint of newly manufactured U.S. coins for general circulation, fiscal years 1976, 1977, and 1978*

Denomination	Number of coins	Face value	Gross weight
FISCAL YEAR 1976			
1 dollar.....	146,400,000	\$146,400,000.00	<i>Short tons</i> 3,660.06
50 cents.....	239,900,000	119,950,000.00	2,998.80
25 cents.....	1,072,000,000	268,000,000.00	6,700.11
10 cents.....	874,400,000	87,440,000.00	2,186.04
5 cents.....	618,200,000	30,910,000.00	3,407.24
1 cent.....	7,711,700,000	77,117,000.00	26,437.16
Total.....	10,662,600,000	729,817,000.00	45,389.41
FISCAL YEAR 1977			
1 dollar.....	50,600,000	\$50,600,000.00	<i>Short tons</i> 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			
1 dollar.....	50,000,000	\$50,000,000.00	<i>Short tons</i> 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

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.

TABLE 7.—Inventories of U.S. coins Sept. 30, 1977, and Sept. 30, 1978

[Number of pieces]

Denomination	Sept. 30, 1977			Sept. 30, 1978		
	Mints	Federal Reserve banks and U.S. Treasury	Total	Mints	Federal Reserve banks and U.S. Treasury	Total
1 dollar....	46,900,000	44,900,117	91,800,117	34,600,000	31,583,062	66,183,062
50 cents	135,200,000	89,295,644	224,495,644	90,500,000	68,467,734	158,967,734
25 cents	535,700,000	522,702,776	1,058,402,776	330,900,000	517,496,968	848,396,968
10 cents	924,200,000	713,477,910	1,637,677,910	733,400,000	717,088,140	1,450,488,140
5 cents	698,000,000	358,743,600	1,056,743,600	423,100,000	386,717,760	809,817,760
1 cent	2,271,700,000	664,031,300	2,935,731,300	1,615,100,000	917,016,500	2,532,116,500
Total..	4,611,700,000	2,393,151,347	7,004,851,347	3,227,600,000	2,638,370,164	5,865,970,164

TABLE 8.—*Location of U.S. fractional coins on selected dates, June 1970–September 1978*

[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:				
January	343,528,908	352,916,982	8,499,622,110	9,196,068,000
February	356,651,563	344,630,155	8,511,930,282	9,213,212,000
March	375,469,724	311,991,552	8,573,639,724	9,261,101,000
April	374,551,952	296,645,539	8,631,903,509	9,303,101,000
May	369,458,040	274,395,884	8,697,614,076	9,341,468,000
June	375,946,336	267,613,613	8,750,232,051	9,393,792,000
July	360,451,847	272,581,676	8,794,059,477	9,427,093,000
August	366,971,322	241,356,191	8,858,403,487	9,466,731,000
September	364,756,378	264,441,342	8,876,810,280	9,506,008,000
October	347,244,573	267,064,109	8,925,781,318	9,540,090,000
November	331,419,203	243,446,155	9,005,584,642	9,580,450,000
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

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 1978
[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:				
January.....	52,968,093	41,458,714	488,247,193	582,674,000
February.....	51,882,740	41,486,577	490,686,683	584,056,000
March.....	52,470,032	47,417,501	491,365,467	591,253,000
April.....	49,276,960	44,310,093	501,176,947	594,764,000
May.....	48,961,350	46,851,171	502,766,479	598,579,000
June.....	48,862,073	46,200,542	506,521,385	601,584,000
July.....	51,101,428	45,181,349	510,347,223	606,630,000
August.....	50,569,361	42,492,612	515,847,027	608,909,000
September.....	53,531,400	44,053,879	517,149,721	614,735,000
October.....	52,517,188	42,722,774	523,255,038	618,495,000
November.....	52,621,782	43,151,390	527,844,828	623,618,000
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

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 1977 and 1978*

Denomination	Fiscal year 1977		Fiscal year 1978	
	Pieces	Face value	Pieces	Face value
Standard silver dollars				
Cupronickel dollars .	45,217	\$45,217	13,371	\$13,371
50 cents	145,884	72,942	58,032	29,016
25 cents	1,702,949	425,737	848,042	212,011
10 cents	2,670,786	267,079	1,622,382	162,238
5 cents	1,706,735	85,337	1,152,600	57,630
1 cent	7,878,171	78,782	5,196,537	51,965
Total	14,149,742	975,094	8,890,964	526,231

NOTE.—Represents coins received at mint institutions.

TABLE 11.—*Medals produced by the Philadelphia Mint, fiscal years 1976–78*

	Medals	Number of medals produced		
List No.	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Presidential</i>				
101	George Washington	2,092	714	1,133
102	John Adams	452		
103	Thomas Jefferson	1,182	225	646
104	James Madison	498		
105	James Monroe	472		
106	John Quincy Adams	177		
107	Andrew Jackson	861		
108	Martin Van Buren	508		
109	William Henry Harrison	293		
110	John Tyler	299		
111	James K. Polk	152		
112	Zachary Taylor	296		
113	Millard Fillmore	287		
114	Franklin Pierce	292		
115	James Buchanan	119		
116	Abraham Lincoln	2,368	1,594	1,111
117	Andrew Johnson	506		
118	Ulysses S. Grant	580		
119	Rutherford B. Hayes	399		
120	James A. Garfield	112		
121	Chester A. Arthur	208		
122	Grover Cleveland			
123	Benjamin Harrison			
124	William McKinley	171		
125	Theodore Roosevelt	976		
126	William H. Taft			
127	Woodrow Wilson	180		
128	Warren G. Harding	330		
129	Calvin Coolidge	604		
130	Herbert Hoover	589		
131	Franklin D. Roosevelt	1,621		531
132	Harry S. Truman	979	3,639	1,388
133	Dwight D. Eisenhower (1st term)	1,471		
134	Dwight D. Eisenhower (2d term)	1,407		107
135	John F. Kennedy	2,543	1,993	1,627
136	Lyndon B. Johnson (1st term)	658		
137	Lyndon B. Johnson (2d term)	679		482
138	Richard M. Nixon (1st term)	1,017		
139	Richard M. Nixon (2d term)	351		
140	Gerald R. Ford	2,414	209	
141	Jimmy Carter		2,961	1,066
Total Presidential series		28,143	11,335	8,091
<i>Secretaries of the Treasury</i>				
201	Alexander Hamilton	867		
202	William Windom			
203	John G. Carlisle	120		
204	Daniel Manning	121		
205	Lyman J. Gage	170		
206	Leslie M. Shaw	159		
207	George B. Cortelyou	143		
208	Franklin MacVeagh	200		
209	William McAdoo			
210	Carter Glass			
211	Andrew W. Mellon			
212	Ogden L. Mills			
213	William H. Woodin			
214	Henry Morgenthau, Jr.	119		
215	Fred M. Vinson	175		

TABLE 11.—*Medals produced by the Philadelphia Mint,
fiscal years 1976–78—Continued*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Secretaries of the Treasury—Continued</i>				
216	John W. Snyder.....	156.....		
217	George M. Humphrey.....	165.....		172
218	Robert B. Anderson.....	168.....		107
219	Douglas Dillon.....			
220	Henry H. Fowler.....			
221	Albert Gallatin.....	121.....	223.....	208
222	Joseph W. Barr.....	162.....		
223	David M. Kennedy.....			125
224	John B. Connally.....	108.....		
225	George P. Shultz.....	116.....		
226	William E. Simon.....	386.....		
227	W. Michael Blumenthal.....			556
Total Secretaries of the Treasury.....		3,456	223	1,168
<i>Directors of the Mint</i>				
301	David Rittenhouse, Philadelphia, Pa.....	383.....		
302	Robert M. Patterson, Philadelphia, Pa.....	153.....		
303	J. Ross Snowden, Philadelphia, Pa.....	166.....		
304	James Pollock, Philadelphia, Pa.....	170.....		
305	Henry R. Linderman, Washington, D.C.....	170.....		
306	Horatio C. Burchard, Washington, D.C.....	160.....		
307	James P. Kimball, Washington, D.C.....	172.....		
308	Edward O. Leech, Washington, D.C.....	174.....		
309	Robert E. Preston, Washington, D.C.....			
310	George E. Roberts, Washington, D.C.....	162.....		163
311	F.J.H. von Engelken, Washington, D.C.....	167.....		160
312	Robert W. Woolley, Washington, D.C.....	161.....		
313	Raymond T. Baker, Washington, D.C.....			
314	F.E. Scobey, Washington, D.C.....			
315	R.J. Grant, Washington, D.C.....	162.....		
316	Nellie Tayloe Ross, Washington, D.C.....	154.....		
317	William H. Brett, Washington, D.C.....	164.....		
318	Eva Adams (1st term) Washington, D.C.....			
319	Eva Adams (2d term) Washington, D.C.....	167.....		
320	Mary Brooks, Washington, D.C.....	168.....		
Total Directors of the Mint.....		2,853.....		323
<i>Army</i>				
401	Washington before Boston.....	844.....		142
402	Maj. Gen. Gates, for Saratoga.....	218.....		
403	Brig. Gen. Morgan, for Cowpens.....	297.....		206
404	Lt. Col. John E. Howard, for Cowpens.....	772.....		
405	Lt. Col. W.A. Washington, for Cowpens.....	176.....		
406	Count DeFleury, for Stony Point.....	533.....		
407	Maj. Gen. Anthony Wayne, for Stony Point.....	322.....		497
408	Maj. Gen. Nathaniel Greene for Eutaw Springs.....	334.....		
409	Maj. Henry Lee, Paulus Hook.....	159.....		
410	Maj. Gen. Scott, for Chippewa and Niagara.....	287.....		
411	Maj. Gen. Gaines, for Fort Erie.....	269.....		
412	Maj. Gen. Porter, for Chippewa, Niagara and Erie.....	272.....		
413	Maj. Gen. Brown, for Chippewa, Niagara and Erie.....	170.....		
414	Brig. Gen. Miller, for Chippewa, Niagara and Erie.....	322.....		
415	Brig. Gen. Ripley, for Chippewa, Niagara and Erie.....	312.....		
416	Maj. Gen. Macomb, Battle of Plattsburg.....	357.....		
417	Maj. Gen. Jackson, Battle of New Orleans.....	303.....		
418	Maj. Gen. Harrison, for Thames.....	308.....		

TABLE 11.—*Medals produced by the Philadelphia Mint,
fiscal years 1976-78—Continued*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Army—Continued</i>				
419	Gov. Isaac Shelby, for Thames.....	165		
420	Col. George Croghan, for Sandusky.....	167		
421	Maj. Gen. Taylor, for Palo Alto.....	329		
422	Maj. Gen. Taylor, for Monterey.....	156		
423	Maj. Gen. Taylor, for Buena Vista.....	333		104
424	Maj. Gen. Scott, for battles in Mexico.....	480		
425	Maj. Gen. Grant.....	747		
427	Maj. Gen. Scott (Commonwealth of Virginia).....	260		
428	Kittanning destroyed.....	171		
429	200th Anniversary of the Army.....	3,157	689	1,520
Total Army series.....		12,220	689	2,469
<i>Navy</i>				
501	John Paul Jones, for Serapis.....	521		
502	Capt. Thomas Truxtun, for action with La Vengeance.....	326		
503	Capt. Preble before Tripoli.....	285		
504	Capt. Hull, for capture of Guerriere.....	388		
505	Capt. Jacob Jones, for capture of Frolic.....	273		
506	Capt. Decatur, for capture of Macedonian.....	288		106
507	Capt. Bainbridge, for capture of Java.....	208		
508	Capt. Burrows, for capture of Boxer.....	224		
509	Lt. McCall, for capture of Boxer.....	279		
510	Capt. Perry, capture of British Fleet on Lake Erie.....	161	108	243
511	Capt. Elliott, capture of British Fleet on Lake Erie.....	119		
512	Capt. Lawrence, capture of Peacock.....	167		
513	Capt. Macdonough, capture of British Fleet on Lake Champlain.....	267		
514	Capt. Henley, capture of British Fleet on Lake Champlain.....	154		
515	Lt. Cassin, capture of British Fleet on Lake Champlain.....	285		
516	Capt. Warrington, capture of Epervier.....	165		
517	Capt. Blakely, capture of Reindeer.....	163		
518	Capt. Biddle, capture of Penguin.....	162		
519	Capt. Stewart, capture of Cyane and Levant.....	266		
520	Rescue of officers and crew of brig Sommers.....	160	110	137
521	Capt. Ingraham.....	162		
522	Capt. Perry (State of Pennsylvania) capture of fleet on Lake Erie.....	278		
522A	Pennsylvania Volunteers, action on Lake Erie.....	397	107	
523	Cornelius Vanderbilt.....			
525	To Rescuers of Passengers, Officers & Men of Steamship San Francisco, by Congress.....	233		104
526	Commodore M. C. Perry, from merchants of Boston.....	270		
527	Metis (shipwreck) Medal.....	167		
528	John Horn.....	274		
529	Lt. Victor Blue (State of South Carolina).....	277		
532	Departure of American Fleet.....	458		
533	Vice Adm. Hyman George Rickover.....	290		
534	200th Anniversary of the Navy.....	3,114	9,843	157
535	200th Anniversary of the Marine Corps.....	2,608	2,840	1,028
Total Navy series.....		13,389	13,008	1,775
<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 1976–78—Continued**

List No.	Medals	Number of medals produced		
	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Miscellaneous</i>				
601	Time Increases His Fame.....	872		
602	Cabinet Medal.....	763	581	251
603	Washington and Jackson.....	856	122	1,039
604	Commencement of Coin Cabinet.....	125		111
605	Presidency Relinquished.....	114		
606	Allegiance.....	698		629
607	Washington and Lincoln.....	2,012	119	3,073
608	Washington and Grant.....	893		550
609	Washington Wreath.....	1,093	432	998
610	Washington Bicentennial.....	494		
611	James Garfield.....	1,145		226
612	Lincoln and Garfield.....	500		551
613	Pennsylvania Bicentennial.....	2,399		437
614	Valley Forge Centennial.....	297		
615	Lincoln and Grant.....	317		1,034
616	Lincoln, Broken Column.....	1,036		1,218
617	Japanese Embassy.....	223		
618	Frederick Rose.....	301		
619	Louis Agassiz.....	165		
620	Indian Peace Medal (George II).....	149		
621	David Hosack.....	540		656
622	First Steam Coinage.....	1,120		1,199
623	Union Pacific Railroad.....	491	110	147
624	Emancipation Proclamation.....	605		
625	Cyrus W. Field.....	332		
626	Joseph Pancoast.....	165	118	164
627	Indian Peace (Grant).....	166		
628	Hayes, Indian Peace (oval).....	461		
629	Garfield, Indian Peace.....	154		112
630	Arthur, Indian Peace.....	259		
631	Cleveland, Indian Peace.....	259		
632	Harrison, Indian Peace.....	408		
633	Let Us Have Peace (Grant).....	123		
634	Seward-Robinson.....	300		
635	U.S. Diplomatic (July 4, 1776).....	813		
636	Great Seal Centennial Medal, 1782–1882.....	471	555	
637	Joseph Francis.....	126		
638	Lincoln Centennial.....	184		368
639	Wright Brothers.....	418		
640	Abraham Lincoln.....	329		210
641	Woodrow Wilson.....	373		
642	Warren G. Harding.....			
643	Calvin Coolidge.....			
644	Herbert Hoover.....			
645	Charles A. Lindbergh.....		244	1,045
646	Franklin D. Roosevelt.....			
647	Mount Vernon.....	484		
648	Benjamin Franklin.....	1,110		321
649	Franklin D. Roosevelt.....	622		
650	Harry S. Truman.....			
651	Vice President Alben W. Barkley.....	152		
652	Dr. Jonas E. Salk.....	294		325
653	Dr. Robert H. Goddard.....	462		
654	Robert Frost.....	531		
655	Dr. Thomas A. Dooley III.....	286	122	
656	Sam Rayburn.....	169		
657	U.S. Secret Service 100th Anniversary.....	475		454
658	Diplomatic Courier.....	300	138	
659	Transpo '72.....	260		
661	J. Edgar Hoover.....	2,393	444	
662	Brig. Gen. Charles Yeager.....		2,120	
663	Marian Anderson.....			593
702	Opening of New Mint at Phila. (Aug. 14, 1969).....	115	864	210
707	U.S. Treasury Building.....	322	444	
770	Georgetown Customhouse.....			
943	1977 Assay Commission ¹			1,100
Total Miscellaneous series.....		30,524	6,413	17,021

¹ Footnotes at end of table.

**TABLE 11.—Medals produced by the Philadelphia Mint,
fiscal years 1976–78—Continued**

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Bronze Miniature Presidential (1½")</i>				
801	George Washington	25,682		
802	John Adams	5,621		2,284
803	Thomas Jefferson	21,610		
804	James Madison	10,462		
805	James Monroe	7,554		
806	John Quincy Adams	5,381		
807	Andrew Jackson	5,502	6,253	2,125
808	Martin Van Buren	8,612		
809	William Henry Harrison	9,050		
810	John Tyler	5,333		
811	James K. Polk	3,099		
812	Zachary Taylor	5,827		
813	Millard Fillmore	7,976		
814	Franklin Pierce	3,875		
815	James Buchanan	4,240		
816	Abraham Lincoln	13,886		6,214
817	Andrew Johnson	8,677		
818	Ulysses S. Grant	6,376		
819	Rutherford B. Hayes	6,509		
820	James A. Garfield	6,285		
821	Chester A. Arthur	8,721		
822	Grover Cleveland	7,457		
823	Benjamin Harrison	6,432		
824	William McKinley	6,458		
825	Theodore Roosevelt	9,517		
826	William H. Taft	5,657		
827	Woodrow Wilson	6,520		
828	Warren G. Harding	5,462		
829	Calvin Coolidge	5,334		
830	Herbert Hoover	8,065	8,078	4,958
831	Franklin D. Roosevelt	16,299		12,397
832	Harry S. Truman	24,914		7,011
833	Dwight D. Eisenhower (1st term)	11,159		
835	John F. Kennedy	33,146		20,293
837	Lyndon B. Johnson (2d term)	9,331	5,288	6,059
838	Richard M. Nixon	6,235		
839	Richard M. Nixon (2d term)	8,081		
840	Gerald R. Ford	18,623		
841	Jimmy Carter		23,353	
841-C	Jimmy Carter (Proof)		17,590	
Total Bronze Miniature Presidential series		368,968	60,562	61,341
<i>Gold plated Miniature Presidential (1½")</i>				
801	George Washington	2,125	1,654	325
802	John Adams	699		64
803	Thomas Jefferson	1,380	409	79
804	James Madison	504		112
805	James Monroe	530	158	214
806	John Quincy Adams	626		71
807	Andrew Jackson	781	382	237
808	Martin Van Buren	409	157	163
809	William Henry Harrison	709		
810	John Tyler	608		
811	James K. Polk	635		
812	Zachary Taylor	651		147
813	Millard Fillmore	805		
814	Franklin Pierce	520		
815	James Buchanan	523		120
816	Abraham Lincoln	1,946	863	436
817	Andrew Johnson	719		

TABLE 11.—*Medals produced by the Philadelphia Mint, fiscal years 1976-78—Continued*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Gold plated Miniature Presidential (1½/16")—Continued</i>				
818	Ulysses S. Grant	811		
819	Rutherford B. Hayes	357		171
820	James A. Garfield	683		
821	Chester A. Arthur	813		
822	Grover Cleveland	728		
823	Benjamin Harrison	512		
824	William McKinley	772		
825	Theodore Roosevelt	984		173
826	William H. Taft	833		
827	Woodrow Wilson	420		83
828	Warren G. Harding	676		72
829	Calvin Coolidge	687		
830	Herbert Hoover	613		
831	Franklin D. Roosevelt	1,226	881	752
832	Harry S. Truman	956	443	633
833	Dwight D. Eisenhower (1st term)	863	209	84
835	John F. Kennedy	2,489	909	1,060
837	Lyndon B. Johnson (2d term)	755	471	432
838	Richard M. Nixon	577	204	152
839	Richard M. Nixon (2d term)	751		
840	Gerald R. Ford	3,074		951
Total gold plated Miniature Presidential series		33,750	6,740	6,531
<i>Miniature Miscellaneous (1½/16")</i>				
660	Transpo '72	4,985		
701	Opening of New Mint at Phila. (Aug. 14, 1969)	8,294	10,279	1,245
701P	Philadelphia Mint Bicentennial	1,895		10,013
705	First Coinage	6,220		2,082
706	White House	9,248		20,160
708	New York Assay Office	7,246		
709	U.S. Bullion Depository at West Point	7,314		
710	U.S. Bullion Depository at Fort Knox	6,282		3,199
713	U.S. Treasury Building	8,273		
714	Opening of New Mint at Phila. (Aug. 14, 1969) ²	96,594	43,009	46,446
750	New Orleans Mint ²	4,682		
751	San Francisco Mint ²			2,318
771	Georgetown Customhouse	6,783	2,390	2,065
772	Boston Customhouse	9,631		
774	Wheeling Customhouse	6,286		
775	Savannah Customhouse	6,198		
776	New Orleans Customhouse	6,414		
777	Galveston Customhouse	3,494		
778	New York Customhouse	13,261		
779	Galena Customhouse	3,184		
780	Providence Customhouse	2,096		
781	Yorktown Customhouse	3,160	2,368	2,194
Total miscellaneous miniature		221,540	58,046	89,722
Grand total, all series		714,843	160,900	189,701

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 1976-78*

List No.	Medals	Number of medals produced		
	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Miniature Presidential (1$\frac{1}{16}$"</i>				
801	George Washington	2,651	2,741	400
802	John Adams	100	204	1,956
803	Thomas Jefferson	2,603	3,600	2,361
804	James Madison		2,100	2,671
805	James Monroe		1,182	1,122
806	John Quincy Adams	919	2,100	1,023
807	Andrew Jackson		1,893	1,042
808	Martin Van Buren	62	2,394	
809	William Henry Harrison	125	2,199	2,075
810	John Tyler			1,037
811	James K. Polk		2,400	984
812	Zachary Taylor			2,340
813	Millard Fillmore		2,448	50
814	Franklin Pierce	68	3,493	50
815	James Buchanan		2,306	1,079
816	Abraham Lincoln	3,381	3,714	4,674
817	Andrew Johnson		577	2,072
818	Ulysses S. Grant			1,110
819	Rutherford B. Hayes		4,384	
820	James A. Garfield		1,973	
821	Chester A. Arthur			3,300
822	Grover Cleveland		2,662	
823	Benjamin Harrison			
824	William McKinley		2,325	2,040
825	Theodore Roosevelt		2,305	
826	William H. Taft		2,296	
827	Woodrow Wilson	100	3,130	
828	Warren G. Harding			2,174
829	Calvin Coolidge			2,233
830	Herbert Hoover		3,096	
831	Franklin D. Roosevelt	464	3,110	2,012
832	Harry S. Truman	1,119	3,069	257
833	Dwight D. Eisenhower (1st term)			
834	Dwight D. Eisenhower (2d term)	3,488		315
835	John F. Kennedy	7,917	3,742	3,890
837	Lyndon B. Johnson (2d term)	2,281	1,358	
838	Richard M. Nixon	200		100
839	Richard M. Nixon (2d term)			
840	Gerald R. Ford	7,078	2,387	3,588
841	Jimmy Carter		4,994	6,814
Total Miniature Presidential series		32,556	74,182	52,769
<i>Miniature Miscellaneous (1$\frac{1}{16}$"</i>				
703	Denver Mint Medal	187,624	131,643	155,024
Grand total		220,180	205,825	207,793

* Revised.

TABLE 13.—*Medals produced by the San Francisco Assay Office, fiscal years 1976–78*

Medals		Number of medals produced		
List No.	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Miniature Miscellaneous</i>				
704	United States Assay Office San Francisco ¹	12,268		
773	San Francisco Customhouse ¹	5,401		
751	San Francisco Mint ²	39,880		
837	Lyndon B. Johnson ¹			10,000
Total		57,549		10,000

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 1976–78*

Medal		Number of medals produced		
List No.	Subject	Fiscal year 1976	Fiscal year 1977	Fiscal year 1978
<i>Miniature Miscellaneous (1$\frac{1}{2}$")</i>				
751	San Francisco Mint	74,584	41,945	36,332

TABLE 15.—Foreign coins manufactured by U.S. mints, fiscal 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						
50 centavos	296,000	75 percent copper, 25 percent nickel	12.50	30.60	2.20	Reeded.
5 centavos	1,996,000	...do.....	5.00	21.20	1.90	Smooth.
1 centavo	2,995,000	95 percent copper, 5 percent zinc.....	3.00	19.05	1.70	Do.
Total	5,287,000					

¹ Manufactured at the Philadelphia Mint.

**TABLE 16.—Gold transactions of the Bureau of the Mint,
fiscal year 1978**

[In fine ounces rounded to whole ounces]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Sept. 30, 1977	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Sept. 30, 1978
Philadelphia	718	1,016	1,734	949	785
San Francisco	3,340,077		3,340,077		3,340,077
Denver	40,524,782	42	40,524,824	61	40,524,763
New York	74,950,555	1,445,038	76,395,593	1,210,018	75,185,575
Fort Knox	147,353,632		147,353,632	11,311	147,342,321
Total	266,169,764	1,446,096	267,615,860	1,222,339	266,393,521

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia		1	1,015	1,016
San Francisco				
Denver			42	42
New York	¹ 1,432,731		12,307	1,445,038
Fort Knox				
Total	1,432,731	1	13,364	1,446,096

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				61	61
New York	4,810	1,577	² 1,202,588	1,043	1,210,018
Fort Knox				11,311	11,311
Total	4,810	1,577	1,202,588	13,364	1,222,339

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 17.—Gold transactions of the Bureau of the Mint, fiscal year 1978, dollar value

[Valued at \$42.2222 per fine troy ounce]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Sept. 30, 1977	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Sept. 30, 1978
Philadelphia	\$30,332	\$42,879	\$73,211	\$40,080	\$33,131
San Francisco	141,025,413		141,025,413		141,025,413
Denver	1,711,045,414	1,811	1,711,047,225	2,572	1,711,044,653
New York	3,164,577,320	61,012,708	3,225,590,028	51,089,647	3,174,500,381
Fort Knox	6,221,594,520		6,221,594,520	477,567	6,221,116,953
Total	11,238,272,999	61,057,398	11,299,330,397	51,609,866	11,247,720,531

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia		\$23	\$42,856	\$42,879
San Francisco				
Denver			1,811	1,811
New York	\$60,493,094		519,614	61,012,708
Fort Knox				
Total	60,493,094	23	564,281	61,057,398

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				2,572	2,572
New York	\$203,068	\$66,592	\$50,775,925	44,062	51,089,647
Fort Knox				477,567	477,567
Total	203,068	66,592	50,775,925	564,281	51,609,866

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 18.—*Summary of silver receipts, issues, and balances of the Bureau of the Mint, fiscal years 1934-78*

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, 1978):		
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.....	404,705,849.58	290,557,840.68
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.....	514,685.65	687,154.59
Silver bullion from GSA stockpile (act of Dec. 31, 1970, 84 Stat. 1769) ¹	25,500,000.00	32,969,696.95
Total receipts.....	3,820,939,875.55	3,756,263,190.99
Total silver available fiscal years 1934 through 1978.....	3,848,696,772.92	3,782,102,629.32
Issues (July 1, 1933-Sept. 30, 1978):		
Silver processed into U.S. coins.....	1,985,536,015.24	1,903,479,700.71
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.....	387,268,097.32	514,551,965.01
Wasted in operation.....	1,131,937.29	868,618.78
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.....	3,809,488,441.51	3,730,858,705.83
Balances Sept. 30, 1978:		
Silver bullion ordinary: Bureau of the Mint.....	23,006,520.73	30,469,336.11
Silver for silver clad coin.....	16,201,810.68	20,774,587.38
Total balances.....	39,208,331.41	51,243,923.49
Total issues and balances.....	3,848,696,772.92	3,782,102,629.32

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. 403a-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 1978**

	<i>Fine troy ounces</i>
Balances on hand Sept. 30, 1977:	
Silver bullion ordinary.....	23,128,624.00
Silver bullion for coinage.....	8,325,698.34
Coinage metal fund silver.....	7,946,739.42
Total	39,401,061.76
Increases during the fiscal year:	
At market value	206.24
Deposits in exchange for bars	2,500,353.76
All other	¹ 2,195.03
Total increases.....	2,502,755.03
Decreases during the fiscal year:	
Sold.....	124,141.18
Manufactured into U.S. silver-clad coin.....	70,979.76
Bars issued in exchange for deposits	2,500,353.76
All other	10.68
Total decreases	2,695,485.38
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

¹ Includes 363.36 ounces of silver from melted coin sets.

TABLE 20.—*Monetary metals operated on and operating gains and losses of the mints and assay offices, 1978¹*

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.....				6,746,882.319	6,746,882.319
Cash and deposits..... do.....					
Coining (medals)..... do.....	1,992.549				1,992.549
Silver bullion:					
Melting and refining..... do.....				7,968,417.98	7,968,417.98
Cash and deposits..... do.....					
Coining (medals)..... do.....	59,458.32				59,458.32
Silver clad alloy:					
Melting and refining..... gross ounces.....					
Coining..... do.....	35.95	1,738,953.70			1,738,989.65
Cupronickel clad alloy:					
Melting and refining..... avoirdupois pounds.....	12,353,727.00				12,353,727.00
Coining..... do.....	24,342,438.00	1,894,118.00	13,208,215.00	102,431.00	39,547,202.00
Strip..... do.....	26,192,912.00				26,192,912.00
Cupronickel alloy:					
Melting and refining..... do.....	27,381,036.00				27,381,036.00
Coining..... do.....	11,173,489.00	195,648.00	6,337,139.00		17,706,276.00
Strip..... do.....	26,385,571.00				26,385,571.00
Bronze alloy:					
Melting and refining..... do.....	37,347,323.00				37,347,323.00
Coining..... do.....	60,630,147.00	2,604,595.00	54,754,241.00	10,508,597.00	128,497,580.00
Strip..... do.....	38,068,720.00				38,068,720.00
Copper:					
Melting and refining (alloy)..... do.....	20,985,595.00				20,985,595.00
Coining..... do.....					
Strip..... do.....	21,609,228.00				21,609,228.00

OPERATING GAINS AND LOSSES¹

Gold bullion:				
Melting and refining	fine troy ounces.....			
Cash and deposits	do			
Coining (medals).....	do			
		563.....	-001.....	562
Silver bullion:				
Melting and refining	do			
Cash and deposits	do			
Coining (medals).....	do	22.04.....	2.75.....	24.79
Silver clad alloy:				
Melting and refining	gross ounces.....			
Coining	do	-02.....	1,675.57.....	1,675.55
Cupronickel clad alloy:				
Melting and refining	avoirdupois pounds	-69,333.00.....		-69,333.00
Coining	do	-87,170.00.....	6,688.00.....	-87,406.00
Strip	do		-7,072.00.....	
			148.00.....	
Cupronickel alloy:				
Melting and refining	do	-211,146.00.....		-211,146.00
Coining	do	-34,622.00.....	-1,020.00.....	-37,166.00
Strip	do	-222.00.....	-1,524.00.....	-222.00
Bronze alloy:				
Melting and refining	do	-340,201.00.....		-340,201.00
Coining	do	-144,894.00.....	5,841.00.....	-125,421.00
Strip	do	-18,638.00.....	-8,228.00.....	-18,638.00
			21,860.00.....	
Copper:				
Melting and refining	do	23,373.00.....		23,373.00
Coining	do			
Strip	do	3,230.00.....		3,230.00

¹ This table is based on the Annual Settlements, which were performed at the Denver Mint and the New York Assay Office as of June 30, 1978, at the Philadelphia Mint, as of July 21, 1978, and at the San Francisco Assay Office, as of Dec. 31, 1978.

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 1978, by months*

Month	Gold	Silver
1977	<i>Fine troy ounces</i>	<i>Fine troy ounces</i>
October.....		350,615.74
November.....	133,928.326	359,548.74
December.....	182,208.527	404,803.88
1978		
January.....	185,473.054	302,239.57
February.....	205,508.697	340,435.64
March.....	217,843.245	339,030.14
April.....	230,205.714	270,857.17
May.....	190,827.145	151,943.76
June.....	33,085.704	64,192.29
July.....		
August.....	202,744.250	143,850.55
September.....	459,023.863	530,042.62
Total fine ounces.....	2,040,848.525	3,257,560.10
Tonnage (short tons).....	69.97	111.69

TABLE 22.—*Stocks of unrefined and semiprocessed gold and silver bullion held at the mints and assay offices, Sept. 30, 1978*

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.....	386.910		797.68	
San Francisco.....	12.198		354.88	
Denver.....	75.585		62.39	
New York.....	14,176,922.500	¹ 6,505,658.007	6,968,778.56	4,546,519.64
Total.....	14,177,397.193	6,505,658.007	6,969,993.51	4,546,519.64
Tonnage (short tons)	486.08	223.05	238.97	155.88

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 1978

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.....		\$34,727,862.05	\$312,331.53		\$28,054,877.66	\$7,140,078.06		\$70,235,149.30
Seigniorage, cupronickel clad coinage.....	(\$40,642,531.05)	211,929,564.99	5,245,120.86		116,654,374.97	3,698,364.46		296,884,894.23
Seigniorage, silver clad coinage.....			36,216.72					36,216.72
Gifts to the United States, not otherwise classified.....								
Rent of equipment and other personal property.....		1.80						1.80
Recovery of Mint manufacturing expenses....	40,642,531.05							40,642,531.05
Sale of miscellaneous products and byproducts....	5,720,911.77	253,455.89			69,055.98	338,363.81		6,381,787.45
Fees and other charges for accounting and auditing services.....		12.00		\$1,426.27				1,438.27
Service charges—savings account pay allotments (Public Law 90-365).....				21,523.26				21,523.26
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 1978—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								
Fees and other charges for special benefits								
Commissions on telephone pay stations		\$832.67	\$596.88	\$209.42	\$120.83			\$1,759.80
Fees—testing, inspection, and grading services						\$12,626.00		12,626.00
Business concessions					492.32			492.32
Fees and other changes for special benefits, not otherwise classified						219.20		219.20
Bullion charges		53.38			524.00	1,283.68		1,861.06
Other fees and charges for miscellaneous services		195.00			113.12	1,795.00		2,103.12
Proceeds from sale of equipment and other personal property, not otherwise classified		7,653.78	150,564.64		31,012.40			189,230.82
Sale of scrap and salvage materials			5,941.22			25.00		5,966.22
Do			6,124.43	212.95	3,639.10	75.00		10,051.48
Sale of recyclable office wastepaper			1,577.95	66.69		192.00		1,836.64
Profit on sale of gold						.70		.70
Recoveries for Government property lost or damaged		21.50			1.00			22.50
Miscellaneous recoveries and refunds, not otherwise classified		1,731.96			22.52	1,101.10		2,855.58
Total general account receipts	\$5,720,911.77	246,921,385.02	5,758,474.23	23,438.59	144,814,233.90	11,194,124.01		414,432,567.52

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, 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	\$1,711,044,652.40	\$3,174,513,749.02	\$6,221,116,953.54	\$11,247,794,711.11
Silver bullion.....	132,259.57	463.52	135,295.22	¹ 41,088,413.06.....		41,356,431.37
Cupronickel clad dollar coin	32,447,733.00	3,883,854.00	2,120,554.00.....			38,452,141.00
Subsidiary coin.....	82,088,424.55	13,614,275.90	63,400,874.85	45,432,000.00.....		204,535,575.30
Minor coin.....	14,247,736.48	815,171.38	16,537,103.58	5,937,000.00.....		37,537,011.44
Coinage metal other than silver.....	217,571,312.31	16,670,164.10	-14,782,945.33	660,422.58.....		220,118,953.66
All other.....	7,750.64	162,234.36	35,172.03	907,225.65.....		1,112,382.68
Total assets.....	346,589,159.29	176,171,576.67	1,778,490,706.75	3,268,538,810.31	6,221,116,953.54	11,790,907,206.56
LIABILITIES						
Bullion fund.....	129,017,779.12	157,365,668.43	1,793,151,163.91	3,267,878,387.73	6,221,116,953.54	11,568,529,952.73
Coinage metal fund.....	217,443,948.57	16,670,164.10	-14,908,883.45	609,420.36.....		219,814,649.58
All other.....	127,431.60	2,135,744.14	248,426.29	51,002.22.....		2,562,604.25
Total liabilities.....	346,589,159.29	176,171,576.67	1,778,490,706.75	3,268,538,810.31	6,221,116,953.54	11,790,907,206.56

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 1978*

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, 1978	Total Sept. 30, 1977
General Administration ²	169	92	71	78	134	44	26	28	642	700
Coining.....		322	183	63			28		596	550
Melting and Refining.....		2	2			63			67	110
Cash and Deposits.....		16	14	22		47	5		104	115
Numismatic Services.....		42	4	283	135				464	461
Building and Mechanical.....		160	75	49	20	18	10	3	335	337
Engraving.....		55							55	56
Assaying.....		20	9	9		10	2		50	55
Custodial.....		43	24	48	11	13	3		142	141
Total Sept. 30, 1978	169	752	382	552	300	195	74	31	2,455	
Total Sept. 30, 1977	176	774	379	624	251	215	74	32		2,525

¹ The 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, Public Affairs, and Equal Employment Opportunity.

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

TABLE 26.—U.S. coins manufactured, calendar year 1977

[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	45,579,006	\$45,579,006.00	3,251,152	\$3,251,152.00	48,830,158	\$48,830,158.00
Silver clad			219,402	219,402.00	219,402	219,402.00
50 cents:						
Cupronickel	75,047,106	37,523,553.00	3,251,152	1,625,576.00	78,298,258	39,149,129.00
Silver clad			219,402	109,701.00	219,402	109,701.00
25 cents:						
Cupronickel	*725,080,978	181,270,244.50	3,251,152	812,788.00	728,332,130	182,083,032.50
Silver clad			219,402	54,850.50	219,402	54,850.50
10 cents	1,173,537,228	117,353,722.80	3,251,152	325,115.20	1,176,788,380	117,678,838.00
5 cents	882,689,472	44,134,473.60	3,251,152	162,557.60	885,940,624	44,297,031.20
1 cent	*8,618,992,300	86,189,923.00	3,251,152	32,511.52	8,622,243,452	86,222,434.52
Total	11,520,926,090	512,050,922.90	20,165,118	6,593,653.82	11,541,091,208	518,644,576.72

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

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	12,596,000	\$12,596,000.00	32,983,006	\$32,983,006.00	45,579,006	\$45,579,006.00
50 cents	43,598,000	21,799,000.00	31,449,106	15,724,553.00	75,047,106	37,523,553.00
25 cents	461,204,000	115,301,000.00	256,524,978	64,131,244.50	717,728,978	179,432,244.50
10 cents	796,930,000	79,693,000.00	376,607,228	37,660,722.80	1,173,537,228	117,353,722.80
5 cents	585,376,000	29,268,800.00	297,313,472	14,865,673.60	882,689,472	44,134,473.60
1 cent	3,074,575,000	30,745,750.00	4,149,062,300	41,490,623.00	7,223,637,300	72,236,373.00
Total	4,974,279,000	289,403,550.00	5,143,940,090	206,855,822.90	10,118,219,090	496,259,372.90

¹ All numismatic coins were manufactured at the U.S. Assay Office, San Francisco, and included 3,251,152 1977 proof sets, 148,608 40-percent silver-clad Bicentennial proof sets, and 70,794 40-percent silver-clad Bicentennial uncirculated sets.

* Includes 7,352,000 quarters manufactured at the U.S. Bullion Depository at West Point.

* Includes 1,395,355,000 1-cent coins manufactured at the U.S. Bullion Depository at West Point.

* 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 1977.

TABLE 27.—Consumption of metals in the manufacture of U.S. coins, calendar year 1977

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

Denomination	Metallic content—short tons				
	Silver	Copper	Nickel	Zinc	Total
Dollars:					
Regular issue		1,044.57	94.92		1,139.49
Numismatic:					
Cupronickel		74.51	6.77		81.28
Silver clad	2.38	3.57			5.95
Total	2.38	1,122.65	101.69		1,226.72
Half dollars:					
Regular issue		859.96	78.14		938.10
Numismatic:					
Cupronickel		37.25	3.39		40.64
Silver clad	1.11	1.67			2.78
Total	1.11	898.88	81.53		981.52
Quarter dollars:					
Regular issue		4,154.33	377.50		4,531.83
Numismatic:					
Cupronickel		18.63	1.69		20.32
Silver clad	.56	.83			1.39
Total	.56	4,173.79	379.19		4,553.54
Dimes:					
Regular issue		2,689.50	244.39		2,933.89
Proof coins		7.45	.68		8.13
Total		2,696.95	245.07		2,942.02
5-cent pieces:					
Regular issue		3,648.74	1,216.25		4,864.99
Proof coins		13.44	4.48		17.92
Total		3,662.18	1,220.73		4,882.91
1-cent pieces:					
Regular issue		28,070.14		1,477.38	29,547.52
Proof coins		10.59		.56	11.15
Total		28,080.73		1,477.94	29,558.67
Summary:					
Regular issue		40,467.24	2,011.20	1,477.38	43,955.82
Numismatic:					
Cupronickel		130.39	11.85		142.24
Silver clad	4.05	6.07			10.12
Proof coins		31.48	5.16	.56	37.20
Grand total	4.05	40,635.18	2,028.21	1,477.94	44,145.38

TABLE 28.—Foreign coins manufactured by U.S. mints, calendar year 1977

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>	
Panama: ¹						
1 centesimo	10,000,000	95 percent copper, 5 percent zinc.....	3.11	19.05	1.63	Smooth.
Peru: ²						
1 sol.....	2,100,000	70 percent copper, 30 percent zinc	3.20	21.00	1.35	Smooth.
Philippines: ²						
5 sentimos.....	1,088,000	60 percent copper, 40 percent zinc	2.50	(*)	1.31	Smooth.
Grand total.....	13,188,000	.....				

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

* 8 scallops: Outside scallops measuring 19 mm. and inside scallops measuring 17 mm

TABLE 29.—Summary of foreign coinage by the U.S. mints, by country, through Dec. 31, 1977

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)	152,838,428
Curacao	12,000,000	Peru	761,067,479
Dominican Republic	53,920,207	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)	11,127,314,256
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, 1977

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
		Total	11,127,314,256

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 1976 data, see table 28, 1977 annual report; for 1977 data, see table 28 of this report.

TABLE 31.—*Gold transactions of the Bureau of the Mint, calendar year 1977*

[In fine ounces rounded to whole ounces]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Dec. 31, 1976	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Dec. 31, 1977
Philadelphia	754	2,029	2,783	1,049	1,734
San Francisco	3,340,077		3,340,077		3,340,077
Denver	40,524,763	68	40,524,831	85	40,524,746
New York	74,952,587	15,736	74,968,323	7,467	74,960,856
Fort Knox	147,353,671		147,353,671	11,320	147,342,351
Total	266,171,852	17,833	266,189,685	19,921	266,169,764

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia			2,029	2,029
San Francisco				
Denver		1	67	68
New York	4,334	33	11,369	15,736
Fort Knox				
Total	4,334	34	13,465	17,833

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			¹ 1,050		1,050
San Francisco					
Denver				85	85
New York	4,334	1,072		2,060	7,466
Fort Knox				11,320	11,320
Total	4,334	1,072	1,050	13,465	19,921

¹ Consists of 36 ounces of gold sold in ARBA medals, 507 ounces sold to Engelhard, and 507 ounces sold to Handy & Harman.

TABLE 32.—Gold transactions of the Bureau of the Mint, calendar year 1977, dollar value

[Valued at \$42.2222 per fine troy ounce]

RECEIPTS AND DISBURSEMENTS OF GOLD BULLION

Institution	Balance on hand Dec. 31, 1976	Receipts (including transfers)	Total	Disbursements (including transfers)	Balance on hand Dec. 31, 1977
Philadelphia	\$31,844	\$85,670	\$117,514	\$44,326	\$73,188
San Francisco	141,025,413		141,025,413		141,025,413
Denver	1,711,044,650	2,860	1,711,047,510	3,590	1,711,043,920
New York	3,164,663,084	664,427	3,165,327,521	315,269	3,165,012,252
Fort Knox	6,221,596,171		6,221,596,171	477,944	6,221,118,227
Total	11,238,361,172	752,957	11,239,114,129	841,129	11,238,273,000

DETAILED RECEIPTS OF GOLD BULLION

Institution	Deposits	Surplus bullion recoveries	Transfers from mints and assay offices	Total receipts
Philadelphia		\$3	\$85,667	\$85,670
San Francisco				
Denver		27	2,833	2,860
New York	\$183,014	1,373	480,040	664,427
Fort Knox				
Total:	183,014	1,403	568,540	752,957

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			¹ \$44,326		\$44,326
San Francisco					
Denver				\$3,590	3,590
New York	\$183,014	\$45,249		87,006	315,269
Fort Knox				477,944	477,944
Total	183,014	45,249	44,326	568,540	841,129

¹ Consists of gold valued at \$1,514 sold in ARBA medals, gold valued at \$21,406 sold to Engelhard, and gold valued at \$21,406 sold to Handy & Harman.

**TABLE 33.—Silver bullion transactions of the Bureau of the Mint,
calendar year 1977**

		<i>Fine troy ounces</i>
Balance on hand Dec. 31, 1976:		
Silver bullion ordinary.....		23,304,683.96
Silver bullion for coinage.....		8,325,698.34
Coinage metal fund silver.....		8,076,555.23
Total.....		39,706,937.53
Increases during the calendar year:		
At market value.....		299.83
Deposits in exchange for bars.....		2,483,930.92
All other.....		¹ 9,195.07
Total increases.....		2,493,425.82
Decreases during the calendar year:		
Sold.....		265,502.92
Manufactured into U.S. silver clad coin.....		90,858.52
Bars issued in exchange for deposits.....		2,483,930.92
All other.....		13.31
Total decreases.....		2,840,305.67
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

¹ Includes 4,958.77 ounces of silver from melted coin sets.

TABLE 34.—Analysis of monetary assets and liabilities of the Bureau of the Mint, Dec. 31, 1977

Item	Philadelphia Mint	San Francisco Assay Office	Denver Mint	New York Assay Office and West Point Depository	Fort Knox Depository	Total
ASSETS						
Gold bullion.....	\$133,999.20	\$141,025,413.41	\$1,711,043,919.85	\$3,165,025,619.65	\$6,221,118,226.84	\$11,238,347,178.95
Silver bullion.....	211,801.26	463.52	135,305.44	¹ 41,169,770.83		41,517,341.05
Cupronickel clad dollar coin	36,435,831.00	9,348,350.00	9,539,000.00			55,323,181.00
Subsidiary coin.....	98,450,042.65	12,578,387.60	96,595,000.00	58,732,000.00		266,355,430.25
Minor coin.....	15,076,041.35	3,821,565.36	21,740,300.00	8,069,000.00		48,706,906.71
Coinage metal other than silver.....	223,620,289.66	15,963,227.87	-13,562,978.29	87,547.42		226,108,086.66
All other.....	17,855.62	286,441.86	37,588.62	1,270,724.31		1,612,610.41
Total assets.....	373,945,860.74	183,023,849.62	1,825,528,135.62	3,274,354,662.21	6,221,118,226.84	11,877,970,735.03
LIABILITIES						
Bullion fund.....	146,731,672.54	166,252,412.22	1,837,324,092.98	3,274,267,058.53	6,221,118,226.84	11,645,693,463.11
Coinage metal fund.....	223,529,184.28	15,963,227.87	-13,440,476.34	66,951.04		226,118,886.85
All other.....	3,685,003.92	808,209.53	1,644,518.98	20,652.64		6,158,385.07
Total liabilities.....	373,945,860.74	183,023,849.62	1,825,528,135.62	3,274,354,662.21	6,221,118,226.84	11,877,970,735.03

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, 1978

Mines in the United States produced 965,084 fine troy ounces of recoverable domestic gold and 38,570,628 fine troy ounces of recoverable domestic silver during 1978. 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 1974-78

[Content of ores]

State	1974	1975	1976	1977	1978 ^a
	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Alaska	9,146	14,980	22,887	18,962	13,555
Arizona	90,586	85,790	102,062	90,167	93,021
California	5,049	9,606	10,392	5,704	4,259
Colorado	52,083	55,483	50,764	72,668	31,071
Idaho	2,898	2,529	2,755	12,894	20,344
Montana	28,268	17,259	24,075	22,348	19,469
Nevada	298,754	332,814	287,962	324,003	237,889
New Mexico	15,427	15,049	15,198	13,560	9,921
Oregon	(¹)	(¹)	28	675	(¹)
South Dakota	343,723	304,935	318,511	304,846	285,512
Tennessee	18	(¹)	(¹)	13	(¹)
Utah	254,909	189,620	187,318	210,501	234,604
Washington	(¹)	(¹)	(¹)	24,006	(¹)
Other States	26,025	24,187	26,085		15,439
Total	1,126,886	1,052,252	1,048,037	1,100,347	965,084

¹ Production combined to avoid disclosing individual company confidential data is included with "Other States."

^aPreliminary.

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

Mine production of recoverable silver in the United States, by States, calendar years 1974-78

[Content of ores]

State	1974	1975	1976	1977	1978 ^a
	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>	<i>Fine ounces</i>
Alaska	547	(¹)	3,265	1,725	1,993
Arizona	6,355,528	6,285,854	7,615,112	6,828,145	6,470,836
California	41,894	79,757	57,265	57,891	58,138
Colorado	2,783,978	3,366,000	4,083,171	4,663,496	4,021,348
Idaho	12,435,701	13,868,133	11,561,421	15,291,964	18,356,049
Maine	(¹)	(¹)	(¹)		
Michigan	642,944	632,336	310,837	335,479	(¹)
Missouri	2,387,250	2,525,042	2,277,013	2,362,752	2,090,429
Montana	3,512,161	2,616,626	3,278,629	3,367,442	2,930,277
Nevada	872,243	1,608,735	783,892	738,402	376,770
New Mexico	1,194,800	792,050	891,932	918,155	901,860
New York	64,463	56,047	49,199	56,353	(¹)
Oregon	8,925	(¹)		7,134	(¹)
South Dakota	62,474	67,669	58,117	68,717	53,099
Tennessee	20,053	53,752	77,890	60,246	45,864
Utah	3,207,923	2,821,730	3,134,021	3,283,323	2,827,071
Washington	(¹)	(¹)	(¹)	120,582	(¹)
Other States	170,990	163,851	146,466	3,897	436,894
Total	33,761,874	34,937,582	34,328,230	38,165,703	38,570,628

¹ Production combined to avoid disclosing individual company confidential data and included with "Other States."

^aPreliminary.

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

Gold and Silver Issued for Nonmonetary Use

During the last 4 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 ¹	Silver ²
	<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.....	^a 4,800,000	^a 159,500,000

¹ Bureau of Mines, U.S. Department of the Interior.

² Estimate of Handy & Harman.

^aRevised.

^bPreliminary.

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 (thousands)	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 1977 and 1978.

Daily market prices for industrial gold in the United States, quoted by Handy & Harman, New York, N.Y., for 1977

[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.....	(*)	\$132.95	\$141.40	\$148.30	(*)	\$143.85
2.....	(*)	132.10	145.05	(*)	\$148.35	142.30
3.....	\$135.60	133.00	144.70	(*)	148.25	141.80
4.....	135.70	132.45	145.75	150.65	148.10	(*)
5.....	133.40	(*)	(*)	148.90	146.95	(*)
6.....	132.60	(*)	(*)	148.60	148.25	143.40
7.....	132.80	134.25	148.65	148.70	(*)	143.30
8.....	(*)	134.70	148.25	(*)	(*)	142.30
9.....	(*)	136.10	145.90	(*)	147.30	140.60
10.....	131.35	135.85	147.05	(*)	147.85	140.25
11.....	130.10	135.00	146.30	149.70	147.70	(*)
12.....	130.85	(*)	(*)	150.05	147.20	(*)
13.....	132.20	(*)	(*)	152.20	148.50	138.40
14.....	131.80	136.45	146.10	152.05	(*)	137.45
15.....	(*)	135.90	146.45	150.65	(*)	139.25
16.....	(*)	135.90	147.50	(*)	147.65	139.85
17.....	131.60	136.75	148.90	(*)	147.80	138.75
18.....	133.15	136.60	150.05	151.00	146.90	(*)
19.....	132.70	(*)	(*)	150.45	146.85	(*)
20.....	133.10	(*)	(*)	149.50	147.35	139.85
21.....	132.20	(*)	152.00	148.10	(*)	141.30
22.....	(*)	138.10	150.40	149.70	(*)	139.45
23.....	(*)	139.15	152.80	(*)	146.50	140.50
24.....	132.30	141.25	152.75	(*)	145.15	140.80
25.....	133.50	139.95	153.55	149.00	144.75	(*)
26.....	132.15	(*)	(*)	147.15	143.70	(*)
27.....	132.30	(*)	(*)	147.50	144.40	142.50
28.....	131.30	142.75	150.35	145.60	(*)	143.00
29.....	(*)	.....	148.40	147.25	(*)	142.35
30.....	(*)	.....	149.45	(*)	(*)	143.00
31.....	132.30	.....	148.90	.....	143.30	.....

Day	July	August	September	October	November	December
1.....	\$142.55	\$144.55	\$145.75	(*)	\$162.75	\$160.65
2.....	(*)	146.15	146.40	(*)	161.85	159.10
3.....	(*)	146.35	(*)	\$155.70	164.50	(*)
4.....	(*)	147.10	(*)	155.20	166.15	(*)
5.....	141.25	145.80	(*)	155.30	(*)	159.85
6.....	140.55	(*)	147.55	154.25	(*)	160.20
7.....	141.45	(*)	147.90	154.25	166.75	160.65
8.....	142.05	146.15	147.85	(*)	166.15	161.25
9.....	(*)	146.85	147.45	(*)	167.75	158.55
10.....	(*)	146.20	(*)	(*)	167.25	(*)
11.....	140.90	145.70	(*)	157.20	168.10	(*)
12.....	141.80	145.25	148.65	158.10	(*)	158.80
13.....	142.80	(*)	147.85	158.30	(*)	157.75
14.....	(*)	(*)	148.15	157.80	165.20	160.45
15.....	144.60	144.50	148.25	(*)	163.00	159.20
16.....	(*)	143.65	148.30	(*)	160.25	160.35
17.....	(*)	144.05	(*)	160.45	158.90	(*)
18.....	143.80	143.55	(*)	160.55	161.20	(*)
19.....	145.75	144.50	150.10	161.85	(*)	160.10
20.....	145.15	(*)	150.25	160.35	(*)	159.85
21.....	144.00	(*)	151.30	161.45	158.05	160.30
22.....	144.95	144.45	151.60	(*)	156.50	159.40
23.....	(*)	143.75	150.90	(*)	159.30	162.50
24.....	(*)	144.60	(*)	163.60	(*)	(*)
25.....	146.65	144.20	(*)	163.00	(*)	(*)
26.....	145.65	145.35	153.35	163.15	(*)	(*)
27.....	146.10	(*)	153.05	160.40	(*)	163.90
28.....	144.65	(*)	153.85	161.20	161.95	164.80
29.....	144.35	146.50	153.00	(*)	159.20	166.25
30.....	(*)	146.50	154.20	(*)	160.05	164.95
31.....	(*)	146.00	.....	161.50	.....	(*)

* Market closed.

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 Engelhard Minerals & Chemicals Corp., New York, N.Y., for 1977¹

Day	January	February	March	April	May	June
1	(*)	\$133.10	\$141.90	\$148.80	(*)	\$144.35
2	(*)	132.60	145.55	(*)	\$148.85	142.45
3	\$136.10	133.50	145.20	(*)	148.75	141.95
4	136.20	132.95	145.90	150.80	148.60	(*)
5	133.55	(*)	(*)	149.15	147.45	(*)
6	133.10	(*)	(*)	149.10	148.75	143.75
7	133.30	134.75	148.80	149.20	(*)	143.85
8	(*)	135.20	148.75	(*)	(*)	142.80
9	(*)	136.60	146.40	(*)	147.80	141.10
10	131.50	136.35	147.55	(*)	148.00	140.50
11	130.25	135.50	146.80	149.85	148.20	(*)
12	131.00	(*)	(*)	150.20	147.70	(*)
13	132.70	(*)	(*)	152.70	148.65	138.90
14	131.95	136.95	146.25	152.55	(*)	137.60
15	(*)	136.40	146.95	151.15	(*)	139.40
16	(*)	136.40	148.00	(*)	148.15	140.35
17	132.08	136.90	149.40	(*)	148.30	139.25
18	133.30	137.10	150.55	151.50	147.40	(*)
19	133.20	(*)	(*)	150.95	147.35	(*)
20	133.60	(*)	(*)	150.00	147.85	140.35
21	132.70	(*)	152.50	148.60	(*)	141.80
22	(*)	138.60	150.90	150.20	(*)	139.95
23	(*)	139.65	153.30	(*)	147.00	140.65
24	132.80	141.75	153.25	(*)	145.30	141.30
25	134.00	140.43	154.05	149.25	145.25	(*)
26	132.65	(*)	(*)	147.65	144.20	(*)
27	132.80	(*)	(*)	148.00	144.90	143.00
28	131.80	143.25	150.50	146.10	(*)	143.50
29	(*)	.....	148.90	147.75	(*)	142.85
30	(*)	.....	149.95	(*)	(*)	143.50
31	132.80	.....	149.40	.....	143.45	.....
Day	July	August	September	October	November	December
1	\$143.05	\$144.70	\$145.93	(*)	\$163.00	\$160.80
2	(*)	146.30	146.90	(*)	162.00	159.25
3	(*)	146.50	(*)	\$155.95	164.75	(*)
4	(*)	147.25	(*)	155.35	166.40	(*)
5	141.75	145.95	(*)	155.55	(*)	160.00
6	141.05	(*)	147.80	154.50	(*)	160.35
7	141.95	(*)	148.15	154.45	166.90	160.80
8	142.55	146.30	148.00	(*)	(*)	161.40
9	(*)	147.00	147.95	(*)	168.00	159.05
10	(*)	146.35	(*)	157.65	167.40	(*)
11	141.40	145.85	(*)	157.35	168.45	(*)
12	142.30	145.40	148.80	158.25	(*)	159.30
13	143.30	(*)	148.00	158.45	(*)	158.10
14	144.35	(*)	148.40	158.30	165.70	160.60
15	145.10	144.65	148.40	(*)	163.15	159.35
16	(*)	143.80	148.80	(*)	160.75	160.50
17	(*)	144.20	(*)	160.70	159.15	(*)
18	144.05	144.05	(*)	160.80	161.35	(*)
19	146.00	145.00	150.25	162.10	(*)	160.60
20	145.40	(*)	150.40	160.60	(*)	160.00
21	144.50	(*)	151.80	161.70	158.20	160.80
22	145.20	144.60	152.10	(*)	156.65	159.90
23	(*)	143.90	151.40	(*)	159.80	(*)
24	(*)	144.75	(*)	163.75	(*)	(*)
25	146.90	144.70	(*)	163.35	(*)	(*)
26	146.15	145.50	153.50	163.40	(*)	(*)
27	146.30	(*)	153.20	160.65	(*)	164.70
28	144.85	(*)	154.35	161.70	162.10	165.30
29	144.60	146.70	153.50	(*)	159.70	166.50
30	(*)	146.65	154.55	(*)	160.55	165.45
31	(*)	146.50	.....	162.00	.....	(*)

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 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.

Silver

The New York market prices of silver during the calendar years 1977 and 1978 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 1874-1978.

Daily spot silver quotations per troy ounce for commercial bars 999/1000 fine in New York in 1977

[See table, page 97, for annual high, low, and average prices]

Day	January	February	March	April	May	June
1.....	(*)	\$4.455	\$4.710	\$4.845	(*)	\$4.575
2.....	(*)	4.460	4.807	(*)	\$4.775	4.550
3.....	\$4.370	4.498	4.785	(*)	4.765	4.505
4.....	4.425	4.500	4.790	4.870	4.755	(*)
5.....	4.395	(*)	(*)	4.820	4.715	(*)
6.....	4.409	(*)	(*)	4.680	4.745	4.535
7.....	4.410	4.575	4.890	4.675	(*)	4.535
8.....	(*)	4.510	4.845	(*)	(*)	4.510
9.....	(*)	4.550	4.825	(*)	4.700	4.405
10.....	4.390	4.505	4.800	(*)	4.720	4.405
11.....	4.300	4.470	4.775	4.755	4.775	(*)
12.....	4.325	(*)	(*)	4.742	4.725	(*)
13.....	4.340	(*)	(*)	4.787	4.796	4.323
14.....	4.335	4.500	4.795	4.730	(*)	4.345
15.....	(*)	4.490	4.845	4.750	(*)	4.385
16.....	(*)	4.510	4.853	(*)	4.777	4.370
17.....	4.375	4.530	4.895	(*)	4.760	4.345
18.....	4.380	4.535	4.910	4.840	4.720	(*)
19.....	4.390	(*)	(*)	4.855	4.715	(*)
20.....	4.410	(*)	(*)	4.820	4.718	4.430
21.....	4.405	(*)	4.960	4.815	(*)	4.420
22.....	(*)	4.550	4.935	4.860	(*)	4.360
23.....	(*)	4.613	4.955	(*)	4.600	4.420
24.....	4.495	4.610	4.910	(*)	4.595	4.418
25.....	4.515	4.615	4.894	4.770	4.570	(*)
26.....	4.500	(*)	(*)	4.735	4.500	(*)
27.....	4.495	(*)	(*)	4.765	4.580	4.500
28.....	4.455	4.720	4.810	4.702	(*)	4.460
29.....	(*)	.....	4.773	4.725	(*)	4.485
30.....	(*)	.....	4.805	(*)	(*)	4.465
31.....	4.470	.....	4.790	.....	4.525	.....
Monthly average.....	4.40900	4.53505	4.84161	4.77705	4.69195	4.44300

*Daily spot silver quotations per troy ounce for commercial bars 999/1000 fine
in New York in 1977—Continued*

Day	July	August	September	October	November	December
1.....	\$4.415	\$4.455	\$4.475	(*)	\$4.850	\$4.725
2.....	(*)	4.520	4.480	(*)	4.795	4.675
3.....	(*)	4.540	(*)	\$4.650	4.898	(*)
4.....	(*)	4.538	(*)	4.625	4.910	(*)
5.....	4.395	4.525	(*)	4.650	(*)	4.730
6.....	4.405	(*)	4.478	4.655	(*)	4.720
7.....	4.410	(*)	4.506	4.640	4.895	4.735
8.....	4.425	4.530	4.475	(*)	4.895	4.789
9.....	(*)	4.570	4.487	(*)	4.945	4.715
10.....	(*)	4.560	(*)	(*)	4.935	(*)
11.....	4.390	4.509	(*)	4.728	4.940	(*)
12.....	4.450	4.470	4.495	4.780	(*)	4.700
13.....	4.490	(*)	4.430	4.755	(*)	4.645
14.....	(*)	(*)	4.465	4.790	4.890	4.685
15.....	4.500	4.400	4.460	(*)	4.795	4.610
16.....	(*)	4.350	4.510	(*)	4.750	4.665
17.....	(*)	4.360	(*)	4.800	4.820	(*)
18.....	4.505	4.380	(*)	4.820	4.850	(*)
19.....	4.540	4.390	4.570	4.815	(*)	4.658
20.....	4.560	(*)	4.600	4.770	(*)	4.628
21.....	4.555	(*)	4.580	4.770	4.790	4.680
22.....	4.575	4.365	4.600	(*)	4.690	4.650
23.....	(*)	4.330	4.535	(*)	4.705	4.733
24.....	(*)	4.385	(*)	4.860	(*)	(*)
25.....	4.620	4.378	(*)	4.845	(*)	(*)
26.....	4.600	4.385	4.640	4.840	(*)	(*)
27.....	4.580	(*)	4.610	4.795	(*)	4.765
28.....	4.545	(*)	4.650	4.820	4.775	4.757
29.....	4.503	4.393	4.605	(*)	4.700	4.780
30.....	(*)	4.439	4.660	(*)	4.740	4.780
31.....	(*)	4.448	.....	4.855	.....	(*)
Monthly average.....	4.49805	4.44435	4.53862	4.76315	4.82840	4.70595

* 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 1978*

[See following table 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

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.

Price of silver per troy ounce in New York, 1874-1978¹

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	.85250	.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				

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.

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, 1837. 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 1978 three metals were used in the manufacture of coins of the United States. Nickel and zinc were obtained from the U.S. Government's stockpile of these metals. 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" 1974-78

[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" 1974-78—Con.

[Domestic producers. Delivered U.S. destinations. In U.S. cents]

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" 1974-78—Con.

[Domestic producers. Delivered U.S. destinations. In U.S. cents]

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

SOURCE.—American Metal Market.

Nickel electrolytic cathode prices in the United States, 1969-1978¹

[In U.S. cents per avoirdupois pound]

1969

Jan. 2 (Thurs.) through Nov. 21 (Fri.)	103.00
Nov. 24 (Mon.) through Dec. 31 (Wed.)	128.00

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

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, consumer buying quotation, reflecting actual price in the market.

Daily zinc quotations, 1973-78—"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, 1973-78—"Domestic special high grade delivered"—Continued

[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

SOURCE.—American Metal Market.

**THE WORLD'S MONETARY STOCKS OF GOLD, SILVER,
AND COINS, CALENDAR YEAR 1977**

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.....	Casa de Moneda de la Nacion.....	Avenida Antartida Argentina s/n°, Buenos Aires.
Australia.....	Royal Australian Mint.....	Deakin, A.C.T. 2600.
Austria.....	Österreichisches Hauptmünzamt.....	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.....	Quinta Normal, Santiago.
China, Republic of.	Central Mint of China.....	19 Sichiu Rd., Kweishan, Taoyuan 333, Taiwan.
Colombia.....	Casa de Moneda.....	Calle 11, No. 4-93, 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.....	Katajanokanlaituri 3, SF-00160 Helsinki 16.
France.....	Administration des Monnaies et Médailles.	11, Quai Conti 75270, Paris CEDEX06.
Do	Monnaie de Paris Etablissement de Pessac.	Pessac.
Germany, East.....	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.....	Nordstrasse 66, 2 Hamburg 1.
Greece.....	Greek Mint.....	Athens.
Guatemala.....	Casa de Moneda.....	Avenida de Petapa No. 43-81, Zona 12, Guatemala City.
Hungary.....	Állami Pénzverde.....	1450 Budapest, Ulloi Ut 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 5, Kebayoran Baru, Jakarta.
Iran.....	Mint of Central Bank of Iran.....	Avenue Saltanatabad, Tehran.
Ireland.....	Currency Centre.....	Sandford 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.	Apyang-Myeon, Kyeongsan, Kyeongsangbukdo.
Malaysia	Kilang Wang	Bank Negara, P.O. Box 1, Sungei Reng- gam, 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)	Calz. Legaria No. 631, Mexico 10, D.F.
Nepal	His Majesty's Mint, Dharahara	Bhimsenstambha, Kathmandu.
Netherlands	's Rijks Munt	Leidseweg 90, Utrecht, P.O. Box 2407.
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.
Poland	Mennica Panstwowa	ul. Pereca 21, 00-958 Warsaw.
Portugal	Casa da Moeda	Avenida Dr. Antonio Jose de Almeida, Lisbon 1.
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	T.C. 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 1977¹

Country	Total coins manufactured	Gross weight of coins
	<i>Pieces</i>	<i>Short tons</i>
United States of America	11,541,091,208	44,145.38
Argentina	318,531,690	2,228.58
Australia	452,111,094	2,455.76
Austria	132,062,600	810.32
Bahamas	3,206,576	12.73
Bahrain	5,488,752	23.51
Bangladesh	196,000,000	433.04
Barbados	10,800	(*)
Belgium	222,150,000	1,108.10
Belize	2,625,000	6.83
Bermuda	2,500,000	9.61
Botswana	1,751,175	13.27
Brazil	710,891,000	3,975.32
Brunei	2,544,000	10.79
Canada	773,411,300	2,957.13
Cape Verde	745	(*)
Cayman Islands	1,179,018	5.11
Chile	146,100,000	797.74
China, Republic of (Taiwan)	171,060,000	1,315.39
Colombia	162,237,860	1,206.00
Costa Rica	63,323,481	261.34
Cyprus	5,452,476	43.29
Denmark	200,869,161	794.82
Dominican Republic	10,000	.70
Ecuador	72,000,000	449.74
Egypt, Arab Republic of	18,250,129	80.86
El Salvador	115,526,400	430.03
Ethiopia	277,108,800	888.61
Falkland Islands	113,164	3.30
Fiji	6,475,000	24.88
Finland	132,891,000	288.13
France	828,610,500	4,597.71
French Polynesia	2,000,000	3.86
Gambia, The	5,819,107	17.96
Germany, Federal Republic of	1,526,159,263	5,663.84
Gibraltar	78,785	2.45
Greece	134,233,000	848.40
Guatemala	57,000,000	153.22
Guernsey	1,972,700	19.16
Guinea-Bissau	2,324,000	15.36
Guyana	8,049,430	31.05
Haiti	100	(*)
Hong Kong	61,934,500	329.88
Hungary	95,248,000	177.06
Iceland	13,200,000	28.22
India	1,205,099,500	3,840.57
Indonesia	121,046,400	781.29
Iran (year ended Mar. 21, 1978)	225,600,414	995.42
Iraq	20,200,000	91.00
Ireland	32,694,000	193.26
Israel	125,016,611	439.67
Italy	662,769,752	4,481.95
Jamaica	2,400,000	7.46
Japan	3,318,000,000	12,773.03
Jersey	286,600	8.93
Jordan	10,114,495	91.54
Kenya	17,280,000	132.93
Korea	63,000,000	215.69
Kuwait	17,700,000	72.75
Liberia	21,813	(*)
Libya	16,322,500	88.40

Footnotes at end of table.

Summary—Coinage of nations, calendar year 1977¹—Continued

Country	Total coins manufactured	Gross weight of coins
	<i>Pieces</i>	<i>Short tons</i>
Luxembourg.....	2,000,000	13.23
Madagascar, Republic of.....	12,350,000	52.86
Malawi.....	15,000,000	39.24
Malaysia.....	166,903,385	805.54
Maldives Republic.....	30,000	.78
Malta.....	1,500,000	17.79
Mauritius.....	18,186,801	101.27
Mexico.....	832,619,000	5,180.11
Mongolia.....	5,551	(*)
Morocco.....	55,020,900	226.62
Nepal.....	69,819,412	329.11
Netherlands.....	258,000,000	824.53
Netherlands Antilles.....	8,910,532	31.09
New Caledonia.....	2,000,000	3.86
New Zealand.....	34,542,929	247.43
Nicaragua.....	18,103	(*)
Nigeria.....	127,644,000	630.56
Norway.....	143,404,850	587.00
Oman.....	25,866	.88
Pakistan.....	167,994,772	396.19
Panama.....	11,099,261	43.89
Peru.....	115,315,000	499.14
Philippines.....	1,753,852	6.67
Portugal.....	111,497,280	609.29
Rhodesia.....	43,175,500	n.a.
Rwanda.....	53,002,000	345.03
San Marino.....	3,571,600	25.82
Saudi Arabia.....	10,000,000	110.23
Sierra Leone.....	962	(*)
Singapore.....	70,160,000	295.92
Solomon Islands.....	13,528,000	104.85
Somali Republic.....	42,560,000	127.89
South Africa.....	281,944,206	1,542.49
Spain.....	446,687,000	2,354.08
Sri Lanka.....	6,100,000	15.01
Sudan.....	8,537,926	43.07
Surinam.....	17,825,963	26.34
Sweden.....	188,201,599	969.14
Switzerland.....	69,939,500	265.51
Tanzania.....	17,005,220	102.00
Thailand.....	141,217,700	996.02
Tonga.....	257,000	3.00
Trinidad and Tobago.....	47,693,570	133.90
Tunisia.....	2,000	(*)
Turkey.....	69,079,896	545.68
Turks and Caicos Islands.....	46,102	1.72
Tuvalu.....	2,482	(*)
United Arab Emirates.....	11,725,950	90.90
United Kingdom.....	832,220,143	5,393.72
Uruguay.....	66,860,000	285.34
Vatican City.....	2,434,200	15.00
Venezuela.....	538,311,447	1,765.64
West African Monetary Union.....	58,065,000	250.14
Western Samoa.....	65,050	1.96
Yemen, People's Republic of.....	2,036,000	20.49
Zaire.....	6,428	(*)
Total (117 countries).....	29,509,057,837	127,360.34

¹ For details, see tables for individual countries.

* Less than half a short ton.

n.a. Not available.

Coinage of Nations and World Coins, 1977

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 1977: 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 1977, 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 1977

Denomination ¹	Coinage in 1977 ²	Gross weight	Metallic composition	Diam- eter	Thickness and edge ³
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Dollar:					
Cupronickel:					
Regular issue	45,579,006	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	3,251,152	22.68	do.....	38.10	2.54
Silver clad coins: ³					
Proof	148,608	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	70,794	24.59	do.....	38.10	2.54
Half dollar:					
Cupronickel:					
Regular issue	75,047,106	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	3,251,152	11.34	do.....	30.61	2.18
Silver clad coins: ³					
Proof	148,608	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	70,794	11.50	do.....	30.61	2.18
Quarter dollar:					
Cupronickel:					
Regular issue	725,080,978	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	3,251,152	5.67	do.....	24.26	1.70
Silver clad coins: ³					
Proof	148,608	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	70,794	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 1977—Continued

Denomination ¹	Coinage in 1977 ²	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Dime:					
Regular issue	1,173,537,228	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	3,251,152	2.268	do.....	17.91	1.35
5 cents:					
Regular issue	882,689,472	5.00	75% copper, 25% nickel.....	21.21	1.98
Proof coins	3,251,152	5.00	do.....	21.21	1.98
1 cent:					
Regular issue	8,618,992,300	3.11	95% copper, 5% zinc	19.05	1.57
Proof coins	3,251,152	3.11	do.....	19.05	1.57
Summary:					
Regular issue	11,520,926,090				
Numismatic coins ³	20,165,118				
Total.....	11,541,091,208				

¹ Regular issue coins are for general circulation. Cupronickel (regular) proof coins, packaged in sets of 6 coins and dated 1977, 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 1977 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 1977.

* Consists of 3,251,152 regular proof sets, 148,608 Bicentennial proof, and 70,794 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 1977

Denomination	Year of most recent coinage	Gross weight	Metallic composition	Diameter	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 1977	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 afghani		7.00	90% steel, nickel clad	27.50	2.0
2 afghani		5.24	do.....	25.00	1.7
1 afghani		4.09	do.....	23.00	1.5
50 pul		3.50	Steel, copper clad	21.00	1.7
25 pul		2.50	Steel, brass clad.....	19.00	1.2
Total.....					

* Plain edges: 50 and 25 pul coins, and 2 afghani. Reeded edges: 5 and 1 afghani coins.

AFRICA, EQUATORIAL STATES

Denomination	Coinage in 1977	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 1977	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 1977	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 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
3,000 pesos ²	105,500	25.00	900 Silver	38.00	2.17
2,000 pesos ²	105,500	15.00	do.	33.00	1.73
1,000 pesos ²	105,500	10.00	do.	28.00	1.60
100 pesos ²	1,506,000	6.50	92% copper, 6% aluminum, 2% nickel.	25.00	1.60
50 pesos ²	1,506,000	5.75	do.	23.50	1.60
20 pesos ²	1,506,000	5.00	do.	22.00	1.60
10 pesos ³	248,959,106	6.50	do.	25.00	1.60
5 pesos ³	64,738,084	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	318,531,690				

¹ 1977 coinage was produced by Casa de Moneda de la Nacion, Buenos Aires, except for the silver coins which were made by the Government Mint of Chile.

² Commemorate the 1978 World Cup Soccer Tournament held in Argentina. Coins bore year 1977.

³ Includes coins honoring the bicentennial of the birth of Admiral Guillermo Brown, founder of the Argentine Navy, which bore the dates 1777-1977.

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

NOTE.—Argentine Law 18,188 Apr. 15, 1969, authorized the Central Bank of Argentina to issue a new monetary unit not later than Jan. 1, 1970. The new unit designated "peso" as opposed to "peso moneda nacional," is divided into 100 centavos. The legislation provided that new coins in 50, 20, 10, 5, 2, and 1 centavos denominations be issued beginning in January 1970.

Previous issues of Argentine coins outstanding in 1977

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 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents ²	25,242,849	15.55	75% copper, 25% nickel.....	31.51	2.64
20 cents.....	41,438,849	11.30	do.....	28.52	2.44
10 cents.....	24,220,849	5.65	do.....	23.60	1.90
5 cents.....	109,339,849	2.83	do.....	19.41	1.45
2 cents.....	102,271,849	5.20	97% copper, 2.5% zinc, 0.5% tin.....	21.59	1.98
1 cent.....	149,596,849	2.60	do.....	17.53	1.55
Total.....	452,111,094				

¹ Coins for circulation dated 1977. Coinage made at Australian Government Mint, Canberra, and included the following special coin sets: 53,709 1977 proof sets, 103,590 1977 uncirculated sets, and 9,550 1976 uncirculated sets.

² 1977 dated 50 cent coins feature reverse design honoring the Silver Jubilee of Queen Elizabeth II.

* 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

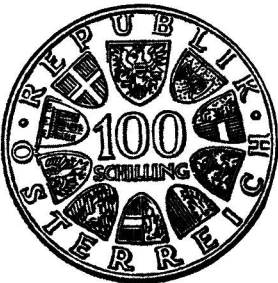
Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 schillings.....		13.5	900 gold, 100 copper.....	27.0	1.60
100 schillings ²	6,049,600	24.0	640 silver, 360 copper.....	36.0	2.70
50 schillings.....		20.0	900 silver, 100 copper.....	34.0	2.45
Do.....		20.0	640 silver, 360 copper.....	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.....	6,358,500	6.2	75% copper, 25% nickel bonded to pure nickel core.	26.0	1.60
5 schillings.....	7,002,000	4.8	75% copper, 25% nickel.....	23.5	1.40
1 schilling.....	28,566,000	4.2	91.5% copper, 8.5% aluminum.....	22.5	1.55
50 groschen.....	8,646,000	3.0	do.....	19.5	1.50
10 groschen.....	56,720,000	1.1	98.5% aluminum, 1.5% magnesium.....	20.0	1.60
5 groschen.....	5,841,000	2.5	Zinc.....	19.0	1.50
2 groschen.....	2,483,000	.9	98.5% aluminum, 1.5% magnesium.....	18.0	1.50
1 groschen.....	15,000	1.8	Zinc.....	17.0	1.30
1 reichspfennig.....		1.8	do.....	17.0	1.30
Trade coins:					
Maria-Theresia thaler.....	10,381,500	28.1	833 1/3 silver, 166 2/3 copper.....	39.5	2.50
Total.....	132,062,600				

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 as follows:

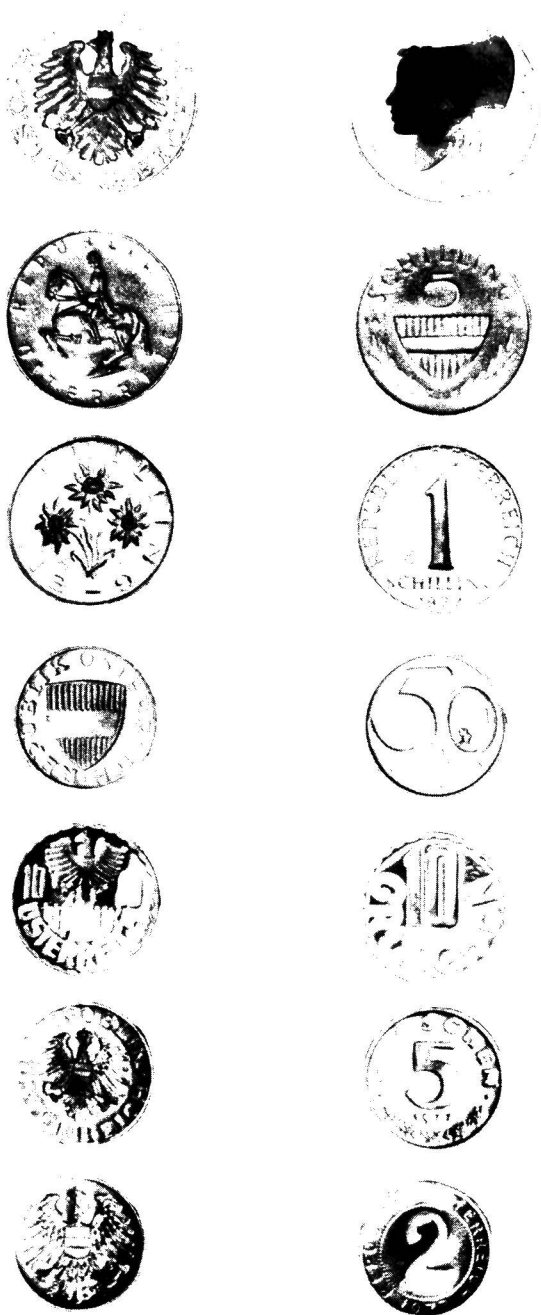
	1976	1977
10 schillings.....	2,510,500	3,848,000
5 schillings.....	535,000	6,467,000
1 schilling.....	8,938,000	19,628,000
50 groschen.....	1,344,000	7,302,000
10 groschen.....	3,066,000	53,654,000
5 groschen.....	4,196,000	1,645,000
2 groschen.....	599,000	1,884,000

² Consists of 2,000,000 coins commemorating the 500th anniversary of the Hall Mint, Tyrol (dated 1477-1977) 2,000,000 coins commemorating the 900th anniversary of the Hohensalzburg fortress (dated 1977) and 2,000,000 coins commemorating the 1,200th anniversary of the Stift Kremsmünster monastery and church (dated 1777-1977). Also includes 2,600 coins commemorating the 200th anniversary of the Burgtheater (dated 1776-1976); 16,000 commemorating the 1,000th anniversary of the province of Carinthia (dated 976-1976); and 31,000 in honor of the 175th anniversary of the birth of writer Johann Nestroy (dated 1976).

* 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.



Coinage of Austria



Coinage of Austria

AZORES—Coins of Portugal circulate in the Azores

BAHAMAS

Denomination	Coinage in 1977	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2,500 dollars ¹	86	407.26	916.6 gold.....	72.00	6.24
200 dollars ²	495	10.92	do.....	28.00	1.30
150 dollars ²	495	8.19	do.....	24.00	1.40
100 dollars ³	3,094	5.46	do.....	21.00	1.25
Do.....		31.95	do.....	36.00	1.10
50 dollars ⁴	3,297	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.....	4,424	48.60	925 silver, 75 copper.....	50.00	3.12
Do.....	469	41.99	75% copper, 25% nickel.....	50.00	3.12
5 dollars.....	1,001	36.40	do.....	45.01	3.20
Do.....	10,812	42.12	925 silver, 75 copper.....	45.01	3.20
2 dollars.....	14,782	29.81	do.....	40.01	2.84
Do.....	1,246	25.77	75% copper, 25% nickel.....	40.01	2.84
1 dollar.....	10,812	18.14	800 silver, 200 copper.....	34.54	2.44
Do.....	1,313	16.01	75% copper, 25% nickel.....	34.54	2.44
50 cents.....	1,913	9.15	do.....	29.01	1.98
Do.....	10,812	10.37	800 silver, 200 copper.....	29.01	1.98
25 cents.....	13,925	6.80	Pure nickel.....	24.26	2.03
15 cents.....	15,025	6.48	75% copper, 25% nickel.....	21.59	2.06
10 cents.....	17,525	5.51	do.....	23.50	1.80
5 cents.....	23,525	3.89	do.....	21.01	1.52
1 cent.....	3,071,525	3.11	79% copper, 20% zinc, 1% nickel.	19.05	1.42
Total.....	3,206,576				

1977 coinage was made by the Royal Canadian Mint, the Royal Mint, United Kingdom, and the Franklin Mint, Pennsylvania. All coins in denominations of \$10 through 1 cent were dated 1977 and were produced by the Franklin Mint, except for 3 million 1-cent coins which were made by the Royal Mint, United Kingdom. The succeeding footnotes identify production of higher denominations.

¹ Coins manufactured by the Royal Canadian Mint. 76 were dated 1974, the remainder 1977.

² 168 coins, made by the Royal Canadian Mint, were dated 1976. Remainder, made by Valcambi, S.A., Switzerland, bore the year 1977.

³ Of the 1,106 coins manufactured by the Royal Canadian Mint, 1,071 were dated 1976, 35 bore 1977; the balance of the coins were struck by Valcambi, S.A.

⁴ 2,207 coins produced by the Royal Canadian Mint, dated 1976; the remainder of the coins were made by Valcambi, S.A., and dated 1977.

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

n.a. Not available.

BAHRAIN

Denomination	Coinage in 1977 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.....	1,719	18.14	800 silver, 200 copper.....	34.54	n.a.
250 fils.....	1,719	15.00	75% copper, 25% nickel.....	32.00	2.34
100 fils.....	2,001,719	6.50	do.....	25.00	n.a.
50 fils.....	1,601,719	3.10	do.....	20.00	n.a.
25 fils.....	1,876,719	1.75	do.....	16.51	1.19
10 fils.....	1,719	4.75	97% copper, 2.5% zinc, 0.5% tin.	23.50	1.47
5 fils.....	1,719	2.00	do.....	18.50	.84
1 fil.....	1,719	1.50	do.....	15.00	n.a.
Total.....	5,488,752				

¹ 1977 coinage, produced by mints in the United Kingdom, bore the date 1385 (1965), and included 1,719 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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 taka		6.00	Cupronickel	26.00	n.a.
50 poisha	12,700,000	4.00	Stainless steel	22.00	1.52
25 poisha	45,300,000	2.65	...do	19.00	1.40
10 poisha	48,000,000	2.00	Aluminum with 2.8% magne- sium.	(²)	2.12
5 poisha	90,000,000	1.40	...do	³ 18.80	1.62
1 poisha		.51	...do	16.00	n.a.
Total	196,000,000				

¹ 1977 coinage, produced by the Royal Canadian Mint, was dated 1977.² 8 scallops: Outer circle 24 mm.; inner circle 21.40 mm.³ Square coin.⁴ Reeded edges: 50 and 25 poisha coins. Smooth edges: 10, 5 and 1 poisha coins.

n.a. Not available.

Previous issues of Bangladesh coins in circulation in 1977

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.
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.

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 Scallop coin with outer diameter 18 mm. and inner diameter 17.05 mm.⁴ Scallop coin with outer diameter 18 mm. and inner diameter 17.6 mm.⁵ 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 1977 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
10 dollars		38.00	925 silver	42.00	n.a.
Do	600	32.84	75% copper, 25% nickel	42.00	3.00
5 dollars		32.10	800 silver	40.00	n.a.
Do	600	28.34	75% copper, 25% nickel	40.00	2.50
2 dollars	600	20.00	do	36.00	2.50
1 dollar	600	10.00	do	28.50	2.00
25 cents	2,100	5.65	do	23.60	1.50
10 cents	2,100	2.26	do	17.78	1.00
5 cents	2,100	3.75	80% copper, 20% zinc	21.00	1.50
1 cent	2,100	3.11	98% copper, 1.5% zinc, 0.5% tin.	19.00	1.50
Total	10,800				

¹ Coinage was made by the Franklin Mint. All coins were dated 1977.

n.a. Not available.

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

BELGIUM

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>
250 francs ²	150,000	25.00	835 silver, 165 copper	37	2.30
10 francs	14,000,000	8.00	Pure nickel	27	2.00
5 francs	45,000,000	6.00	75% copper, 25% nickel	24	1.75
1 franc	137,000,000	4.00	do	21	1.55
50 centimes	26,000,000	2.75	95% copper, 3% tin, 2% zinc.	19	1.30
Total	222,150,000				

¹ The 1977 coinage, made by the Belgian Government Mint, was dated 1977.

² Coins commemorating the 25th anniversary of the reign of King Baudoin were dated 1951-1976.

* Milled edges: 5 and 1 franc. Smooth edges: 10 francs and 50 centimes. Engraved edge: 250 francs.

Other Belgian coins in active circulation during 1977

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

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

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

BELIZE (formerly British Honduras)

Denomination	Coinage in 1977 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	250,000	2.40	do.....	17.00	n.a.
5 cents		3.63	79% copper, 20% zinc, 1% nickel.	20.19	1.32
Do	1,000,000	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	2,625,000				

¹ 1977 coinage, made by mints in the United Kingdom, was dated 1976.

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

n.a. Not available.

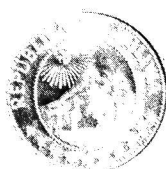
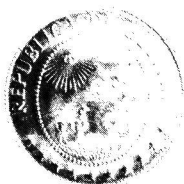
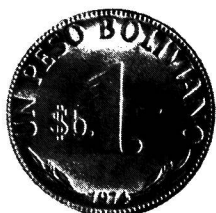
BENIN, PEOPLE'S REPUBLIC OF —See West African Monetary Union**BERMUDA**

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars		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		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	500,000	5.00	do.....	21.21	1.85
1 cent	2,000,000	3.11	97% copper, 2.5% zinc, 0.5% tin.	19.05	1.47
Total	2,500,000				

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

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

n.a. Not available.



Coinage of Bolivia

BHUTAN

Denomination	Coinage in 1977	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 1977	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		8.50	90% steel, nickel clad	30.00	n.a.
1 peso-boliviano		6.00	do.	27.00	1.57
50 cents		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					

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

n.a. Not available.

BOTSWANA

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>
150 pula		15.98	916.6 gold	28.40	n.a.
5 pula ²	1,025	28.28	925 silver	38.60	n.a.
1 pula (12 scallops)	500,000	10.30	75% copper, 25% nickel	29.50	2.17
50 thebe	250,150	11.31	do.	28.50	2.35
25 thebe	250,000	5.73	do.	25.00	1.55
10 thebe	500,000	3.83	do.	22.00	1.39
5 thebe	250,000	2.70	97% copper, 2.5% zinc, 0.5% tin.	19.50	1.27
1 thebe		.70	Aluminum	18.50	1.27
Total	1,751,175				

¹ 1977 coinage, manufactured by mints in the United Kingdom, was dated 1977, except for the 5 pula coins and 150 of the 50 thebes which were 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.

BRAZIL

Denomination	Coinage in 1977 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		10.08	Pure nickel	29.00	1.70
Do	98,000	10.25	75% copper, 25% nickel	29.00	1.70
50 centavos		7.71	do.	27.00	1.50
Do	160,019,000	6.65	Stainless steel	27.00	1.50
20 centavos		6.55	75% copper, 25% nickel	25.00	1.50
Do	240,001,000	5.67	Stainless steel	25.00	1.50
10 centavos	225,213,000	4.22	do.	23.00	1.30
5 centavos	85,360,000	2.69	do.	21.00	1.00
2 centavos	100,000	2.21	do.	19.00	1.00
1 centavo	100,000	1.77	do.	17.00	1.00
Total	710,891,000				

¹ 1977 coinage, manufactured by the Brazilian Mint, was dated 1977.

* Serrated edges: 1 cruzeiro, 50, 20, and 10 centavos. Smooth edges: 5, 2, and 1 centavos coins. Lettered edges: 300, 20, 10, and 1 cruzeiro commemoratives.
n.a. Not available.

BRUNEI

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
10 dollars ²	4,000	28.28	925 silver, 75 copper	38.61	n.a.
50 sen	240,000	9.33	75% copper, 25% nickel	27.76	1.73
20 sen	640,000	5.66	do.	23.60	1.45
10 sen	960,000	2.83	do.	19.41	1.10
5 sen	520,000	1.41	do.	16.26	.76
1 sen	180,000	1.94	97% copper, 2.5% zinc, 0.5% tin.	17.78	.91
Total	2,544,000				

¹ Made by mints in the United Kingdom, coins were dated 1977.

² Proof coins, honoring the 10th anniversary of the Brunei dollar, were dated 1977.

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

n.a. Not available.

BURMA

Denomination	Coinage in 1977	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 1977	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 1977	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 1977 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	182,838	16.97	916.6 gold	24.96	2.55
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 ²	866,660	23.33	500 silver, 500 copper	36.07	2.66
Do	1,393,745	15.62	Pure nickel	32.13	2.62
50 cents	709,839	8.10	do	27.13	1.94
25 cents	99,634,555	5.05	do	23.88	1.58
10 cents	128,452,206	2.07	do	18.03	1.19
5 cents	89,120,791	4.54	do	21.21	1.76
1 cent	453,050,666	3.24	98% copper, 1.5% zinc, 0.5% tin.	19.05	1.65
Total	773,411,300				

¹ Coinage produced by the Royal Canadian Mint, Ottawa, was dated 1977.² 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 1977

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.

CAPE VERDE, REPUBLIC OF

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>
2,500 escudos.....	365	8.0	900 gold, 100 silver and copper	22.0	1.63
250 escudos.....	380	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.....	745				

¹1977 coinage was made by the Portuguese Government Mint and dated 1976. Commemorates the first anniversary of independence. The 250 escudos and 191 of the 2,500 escudos were proof coins.

*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 1977	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.....		13.00	do.....	30.10	n.a.
25 cents.....		6.50	do.....	24.00	1.98
10 cents.....		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.....		9.45	97% copper, 2.5% zinc, 0.5% tin.	30.90	1.78
1 cent.....		5.67	do.....	25.50	1.60
Do.....		5.67	95.5% copper, 3% tin, 1.5% zinc.	25.50	1.60
Total.....					

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 1977 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	5,164	22.68	500 gold	34.00	2.74
50 dollars ³	2,400	64.80	925 silver	50.00	3.76
25 dollars		14.32	500 gold	27.10	n.a.
Do ⁴	11,454	51.84	925 silver	45.00	3.17
5 dollars		35.64	do.	42.00	3.07
2 dollars		29.81	do.	40.00	2.80
1 dollar		18.14	do.	35.00	2.13
50 cents		10.37	do.	28.50	1.93
25 cents	120,000	5.67	75% copper, 25% nickel	24.26	1.68
10 cents	240,000	3.90	do.	20.96	1.62
5 cents	200,000	2.20	do.	18.00	1.22
1 cent	600,000	2.85	97% copper, 2.5% zinc, 0.5% tin.	17.00	1.72
Total	1,179,018				

¹ 1977 coinage was made by mints in the United Kingdom and dated 1977, except the gold and silver coins which were produced by the Royal Canadian Mint.

² Consists of 2,319 1976-dated coins honoring the six sovereign queens of Great Britain, (of which 1,455 were believed to be proof), and 2,845 1977-dated proof coins honoring the Silver Jubilee of Queen Elizabeth II.

³ Honoring the six sovereign queens of Great Britain; dated 1976.

⁴ Proof coins honoring the Silver Jubilee of Queen Elizabeth II.

* 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 1977 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	30,000,000	9.00	70% copper, 15% nickel, 15% zinc.	28.00	1.65
5 pesos	28,300,000	7.00	do.	26.00	1.49
1 peso	20,000,000	5.00	do.	24.00	1.24
50 centavos	10,000,000	4.00	do.	22.00	1.18
10 centavos ³		5.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.51
Do	57,800,000	2.00	100% 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
Subtotal	146,100,000				
Escudo system:					
100 escudos ³		5.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.51
50 escudos ³		4.00	do.	21.00	1.45
10 escudos		2.00	100% aluminum	25.00	1.53
Subtotal					
Total	146,100,000				

¹ 1977 coinage, produced by the Chilean Government Mint, was dated 1977.

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.

CHINA, REPUBLIC OF (TAIWAN)

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 dollars.....	50,260,000	9.50	75% copper, 25% nickel.....	29.0	2.00
1 dollar.....	116,900,000	6.00	55% copper, 27% zinc, 18% nickel.	25.0	1.60
50 cents.....	3,900,000	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.....	171,060,000				

¹ All coins produced by Central Mint of China.

* Reeded edges: All denominations.

COLOMBIA

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>
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.....	76,661,080	7.70	92% copper, 8% nickel.....	24.50	1.95
1 peso.....	62,082,860	6.75	65% copper, 20% zinc, 15% nickel.	25.00	1.92
50 centavos ⁴	10,413,226	4.50	90% steel nickel clad.....	23.00	1.70
20 centavos.....	2,053,530	4.50	do.....	23.00	1.70
10 centavos.....	8,127,164	2.50	do.....	18.00	1.45
5 centavos.....	2,000,000	3.25	90% steel copper clad.....	21.00	1.55
1 centavo.....	900,000	2.00	do.....	17.00	1.50
Subtotal.....	162,237,860				
Total.....	162,237,860				

¹ All regular issue 1977 coinage bore the year 1977 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 1977	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 1977 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.....	12,033,077	10.00	do.....	29.00	1.68
50 centimos.....	6,005,001	7.00	do.....	26.00	1.49
25 centimos.....	12,005,001	3.45	do.....	22.00	1.30
10 centimos.....	5,001	2.00	do.....	18.00	1.10
5 centimos.....	33,275,001	1.00	do.....	15.00	.67
Subtotal.....	63,323,081				
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	100	31.65	500 silver, 500 copper.....	42.00	2.87
50 colones ²	100	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.....	400				
Grand total.....	63,323,481				

¹ 1977 coinage: 28,076 1 colon, dated 1975, and 3,270,000 5 centimos, dated 1976, produced by Guatemala Mint; all others manufactured by Sherritt Mint and Royal Canadian Mint, dated 1977. Includes 5,001 uncirculated sets.

² Manufactured by Royal Mint, London, dated 1974. Part of the World Wildlife Conservation series, calling attention to endangered species of wildlife.

* 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 1977 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	5,300	28.40	916.6 gold, 83.4 copper	15.98	n.a.
1 pound	97,176	28.28	75% copper, 25% nickel	38.61	n.a.
Do ³	25,000	28.28	925 silver, 75 copper	38.61	n.a.
500 mils	300,000	14.14	75% copper, 25% nickel	32.31	2.29
Do ³	25,000	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	2,000,000	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	5,452,476				

¹ 1977 coinage was produced by mints in the United Kingdom. All £50, the silver £1 and 500 mils and 100,000 of the cupronickel 500 mils pieces were dated 1977. All others bore 1976.

² Proof coins, honoring the late Archbishop Makarios, former president of Cyprus.

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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative: ²					
100 crowns ³	100,000	15.00	700 silver, 300 copper	33.00	n.a.
50 crowns ⁴	80,000	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 heller	n.a.	3.00	90% copper, 10% zinc	21.50	1.30
20 heller	n.a.	2.60	79% copper, 20% zinc, 1% nickel.	19.50	1.40
10 heller	n.a.	.90	97.6% aluminum, 2% magne- sium, 0.4% manganese.	18.20	2.30
5 heller	n.a.	.80	do.....	20.00	1.00
Total					

¹ Coins were manufactured by Czechoslovak Mint.

² Commemorative coins valid as legal tender.

³ Coin commemorates the 300th anniversary of the death of Václav Hollar, Czech graphic artist and engraver. The coin bore the date 1677-1977.

⁴ Honors the 126th anniversary of the death of Slovak poet, Ján Kollár.

*Smooth edges: 5 and 10 h. Reeded edges: 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 1977

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
3 heller ²	.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 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 1977 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.....	6,885,202	15.00	75% copper, 25% nickel.....	33.00	2.35
1 kroner.....	25,684,530	6.80	do.....	25.50	1.85
25 ore with hole ²	32,238,967	4.30	do.....	23.00	1.25
10 ore.....	61,994,450	3.00	do.....	18.00	1.58
5 ore.....	74,066,012	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.....	200,869,161				

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 1977	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

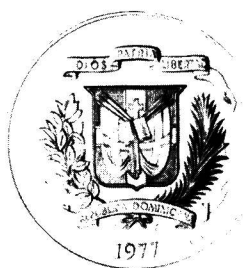
DOMINICAN REPUBLIC

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 pesos ²	3,000	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 ³	7,000	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.....		26.70	75% copper, 25% nickel.....	38.10	4.00
Do.....		26.70	900 gold, 100 copper.....	38.10	n.a.
50 centavos.....		12.50	75% copper, 25% nickel.....	30.63	2.20
25 centavos.....		6.25	do.....	24.30	1.80
10 centavos.....		2.50	do.....	17.90	1.50
5 centavos.....		5.00	do.....	21.20	1.90
1 centavo.....		3.00	95% copper, 4.5% zinc, 0.5% tin.....	19.05	1.70
Total.....	10,000				

¹ Struck by Valcambi, S.A., dated 1977.² Commemorates the centennial of the death of founding father, Juan Pablo Duarte. Bears commemorative dates 1876–1976, as well as date of coinage 1977. Includes 1,000 proof coins.³ Honors the 30th anniversary of the Central Bank of the Dominican Republic. Includes 2,000 proof coins.

* Reeded edges: 200, 100, silver 30, and 10 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 1977 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	40,000,000	5.00	 do	23.00	1.50
20 centavos .....	.....	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	72,000,000				

¹ 1977 coinage, made by mints in the United Kingdom, was dated 1977, except for the 50 centavos which were manufactured by Vereinigte Deutsche Metallwerke, A.G., and dated 1977.

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



EGYPT, ARAB REPUBLIC OF

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 pounds ²	63	26.00	875 gold, 25 silver, 100 copper.	33.00	n.a.
1 pound ²	66	8.00	do.....	24.00	n.a.
Do ³	250,000	15.00	720 silver, 280 copper.....	35.00	n.a.
10 piastres	5,500,000	6.00	75% copper, 25% nickel.....	27.00	n.a.
5 piastres	2,000,000	4.50	do.....	25.00	n.a.
10 millimetres	5,500,000	3.20	92% copper, 8% aluminum	21.00	n.a.
5 millimetres	5,000,000	2.00	do.....	18.00	n.a.
Total	18,250,129				

¹ 1977 coinage was produced at the Mint House, Cairo. Coins were dated 1977.

² Commemorates King Faisal of Saudi Arabia, who was assassinated Mar. 25, 1975.

³ Honors President Anwar Sadat's first term in office.

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

n.a. Not available.

EIRE—See Ireland, Republic of

EL SALVADOR

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>
250 colones ²	4,400	15.98	916.6 gold, 83.4 copper	28.40	2.00
25 colones ²	22,000	25.00	900 silver, 100 copper.....	37.00	2.50
50 centavos		3.88	Pure nickel.....	20.00	1.65
Do	1,500,000	5.00	do.....	20.00	2.00
25 centavos	20,000,000	2.50	do.....	17.90	1.48
10 centavos		7.00	75% copper, 25% nickel.....	26.00	2.50
Do	24,000,000	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	26,000,000	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	40,000,000	1.50	do.....	15.00	1.40
Total	115,526,400				

¹ 1977 coinage was dated 1977. Production was allocated as follows: the 250 and 25 colones, 50 and 25 centavos were made by mints in the United Kingdom; the 10 and 5 centavos were produced by Vereinigte Deutsche Metallwerke, A.G.; and the 1 centavo coins were manufactured by the Royal Canadian Mint and the Sherritt Mint.

² Coins mark the annual meeting of the International Development Bank, held in San Salvador in 1977. Design is reproduction of the first coinage struck in El Salvador, bearing the commemorative date 1824, as well as 1977. Production includes 400 proof 250 colones and 2,000 proof 25 colones.

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

n.a. Not available.

EQUATORIAL GUINEA

Denomination	Coinage in 1977	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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 cents	15,000,000	5.98	75% copper, 25% nickel	25.00	n.a.
25 cents	20,000,000	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	121,008,800	2.99	79% copper, 20% zinc, 1% nickel	23.00	2.13
5 cents	87,600,000	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	33,500,000	.57	98% aluminum, 2% magnesium	17.00	n.a.
Total	277,108,800				

¹ Coins, manufactured by mints in the United Kingdom, were dated 1968.

² Scalloped coin.

* Milled edges: Cupronickel 50 and 25 cents, 10 cents. Smooth edges: 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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 pounds	158	39.94	916.6 gold	36.02	n.a.
2 pounds	158	15.98	 do	28.40	n.a.
1 pound	175	7.99	 do	22.05	n.a.
½ pound	173	3.99	 do	19.30	n.a.
50 pence ²	100,000	28.28	75% copper, 25% nickel	38.61	n.a.
Do ²	2,500	28.28	925 silver, 75 copper	38.61	n.a.
10 pence	5,000	11.31	75% copper, 25% nickel	28.50	n.a.
5 pence	5,000	5.66	 do	23.60	n.a.
2 pence		7.13	97% copper, 2.5% zinc, 0.5% tin	25.91	n.a.
1 penny		3.56	 do	20.32	n.a.
½ penny		1.78	 do	17.15	n.a.
Total	113,164				

¹ The 1977 coinage, produced by mints in the United Kingdom, was dated 1974, except the 50 pence which bore the years 1952-1977. The gold coins and the silver 50 pence 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 1977	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Regular issue: ¹					
1 dollar		28.78	75% copper, 25% nickel	38.60	3.12
50 cents		15.55	do.....	(²)	2.64
20 cents	402,000	11.31	do.....	28.52	2.41
10 cents	660,000	5.65	do.....	23.60	1.90
5 cents	880,000	2.83	do.....	19.41	1.45
2 cents	1,502,000	3.89	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 cent	3,028,000	1.94	do.....	17.53	1.22
Subtotal	6,472,000				
Numismatic coins:					
100 dollars		31.36	500 gold, 500 alloy	38.00	2.74
25 dollars		48.60	925 silver	45.00	3.48
10 dollars ³	3,000	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	3,000				
Total	6,475,000				

¹ Regular issue coinage was made by the Royal Australian Mint, dated 1978.² 12 sided coin measuring 31.51 across flats.³ Proof coins honoring the Silver Jubilee of Queen Elizabeth II were made by the Royal Australian Mint, dated 1952-1977.

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



Coinage of Fiji

FINLAND

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>
25 markkaa ²	500,000	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 ³	400,000	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.....		6.40	350 silver, 570 copper, 80 zinc	24.00	1.77
Do.....	10,076,500	6.10	75% copper, 25% nickel.....	24.00	1.77
50 pennia.....	8,076,500	5.50	93% copper, 5% aluminum, 2% nickel.	25.00	1.90
20 pennia.....	10,062,500	4.50	do.....	22.50	1.90
10 pennia.....	10,042,500	3.00	do.....	20.00	1.50
5 pennia.....	30,552,000	.80	97.5% aluminum, 2.5% magnesium.	18.00	1.40
Do.....	1,488,500	2.60	97% copper, 2.5% zinc, 0.5% tin.	18.00	1.40
1 penni.....		1.60	do.....	15.80	1.10
Do.....	61,392,500	.45	97.5% aluminum, 2.5% magnesium.	15.80	1.10
Total.....	132,891,000				

¹ The 1977 coinage, made by the Mint of Finland, bears the date 1977, except for the 25 markkaa which were dated 1978.

² Commemorates the 32d annual World Ski Championships, held in Lahti in February 1978.

³ Marks the celebration of the 60th anniversary of Finland's independence, Dec. 6, 1977.

* 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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 francs.....	4,359,000	30.00	900 silver, 100 copper.....	41.0	n.a.
10 francs.....	100,027,500	10.00	92% copper, 6% nickel, 2% aluminum.	26.0	2.70
5 francs.....	460,000	10.00	Pure nickel bonded to core of 75% copper, 25% nickel.	29.0	2.10
1 franc.....	230,085,000	6.00	Pure nickel.....	24.0	1.90
½ franc.....	131,644,000	4.50	do.....	19.5	2.10
20 centimes.....	100,240,000	4.00	92% copper, 6% aluminum, 2% nickel.	23.5	1.50
10 centimes.....	140,110,000	3.00	do.....	20.0	1.50
5 centimes.....	115,285,000	2.00	do.....	17.0	1.20
1 centime.....	6,400,000	1.65	17% chrome steel.....	15.0	1.50
Total.....	828,610,500				

¹ The 1977 coinage was made by the French Government Mint, Paris, and bore the year 1977.

* 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

FRENCH POLYNESIA

Denomination (CFP francs)	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>
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		10.0	do.....	28.5	2.1
10 francs		6.0	do.....	24.0	1.8
5 francs		3.8	95% aluminum, 5% magnesium	31.0	2.5
2 francs	1,000,000	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	2,000,000				

¹ 1977 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.

THE GAMBIA

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>
500 dalasi ²	1,044	33.44	900 gold, 100 silver	34.00	2.49
40 dalasi ²	8,500	35.00	925 silver, 75 copper	42.00	2.87
20 dalasi ²	9,320	28.28	 do	38.61	2.75
10 dalasi	243	28.28	925 silver	38.60	n.a.
Do		28.28	500 silver	38.60	n.a.
1 dalasi		18.14	75% copper, 25% nickel	34.29	n.a.
50 bututs	400,000	11.31	 do	28.50	n.a.
25 bututs	400,000	5.66	 do	23.60	n.a.
10 bututs		6.20	79% copper, 20% zinc, 1% nickel	25.91	1.63
5 bututs		3.56	97% copper, 2.5% zinc, 0.5% tin	20.32	1.52
1 butut	5,000,000	1.78	 do	17.15	1.14
Total	5,819,107				

¹ 1977 coinage, made by mints in the United Kingdom. The 10 dalasi were dated 1975, the 1 butut coins bore 1974, and the 50 and 25 bututs were dated 1971. All others were dated 1977.

² Believed to be part of the World Wildlife Conservation Series. The 500 dalasi, 4,500 40 dalasi, and 4,000 20 dalasi were proof coins.

* 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.

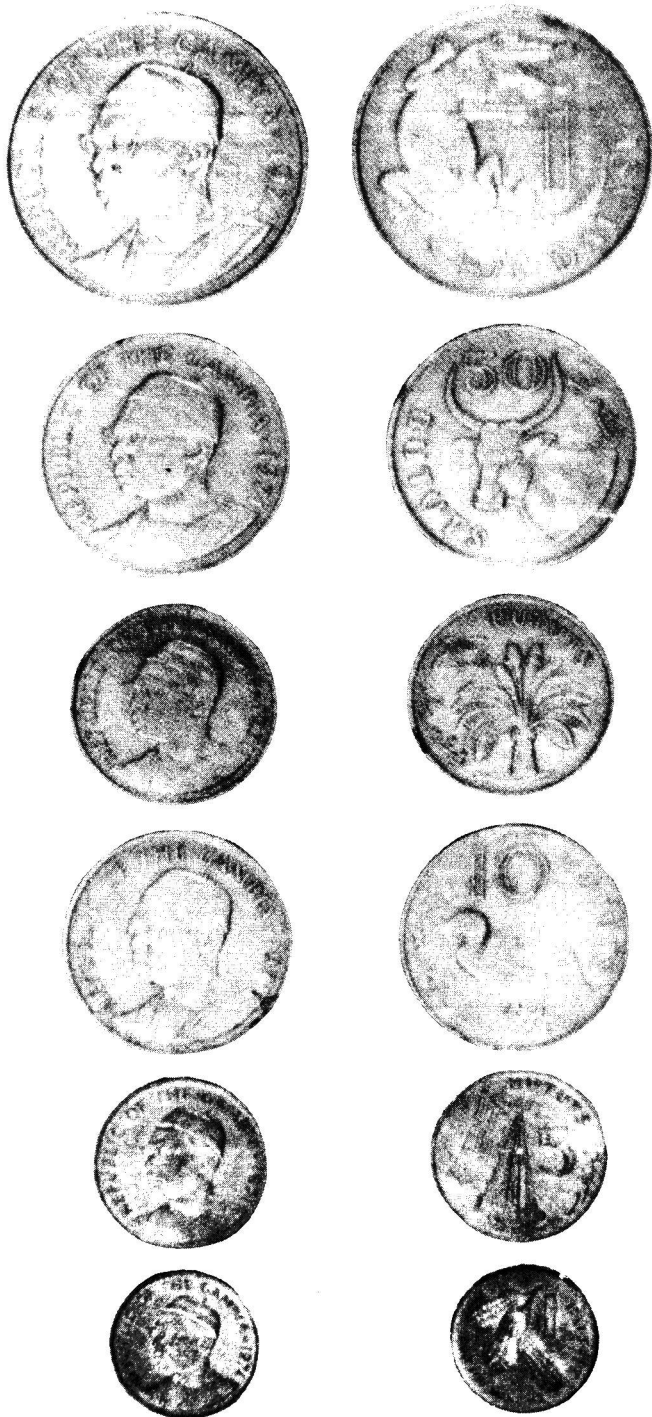
GERMANY, FEDERAL REPUBLIC OF

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>
10 Deutsche Mark		15.5	625 silver, 375 copper	32.50	2.25
5 Deutsche Mark ²	11,560,496	11.2	 do	29.00	2.07
Do	36,396,193	10.0	75% copper, 25% nickel with a pure nickel core	29.00	2.07
2 Deutsche Mark	48,734,197	7.0	 do	26.75	1.79
1 Deutsche Mark	86,370,851	5.5	75% copper, 25% nickel	23.50	1.75
50 pfennig	68,158,080	3.5	 do	20.00	1.58
10 pfennig	292,809,479	4.0	90% steel brass clad	21.50	1.70
5 pfennig	189,166,248	3.0	 do	18.50	1.70
2 pfennig	294,790,774	2.9	90% steel copper clad	19.25	1.52
1 pfennig	498,172,945	2.0	 do	16.50	1.38
Total	1,526,159,263				

¹ 1977 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 Gambia

GHANA

Denomination	Coinage in 1977	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.

NOTE.—Itemized below are three sizes of proof commemoratives (unspecified denominations) dated 1957-77, which were struck by mints in the United Kingdom in 1977:

<i>Pieces</i>	<i>Gram weight</i>	<i>Metallic Composition</i>	<i>Diameter(mm.)</i>
300.....	39.54.....	916.6 gold.....	36.02
4,397.....	19.67.....	do.....	28.40
1,000.....	28.28.....	925 silver.....	38.60

These pieces had reeded edges.

GIBRALTAR

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>
100 pounds.....	95	31.10	916 gold.....	34.00	n.a.
50 pounds.....	95	15.52	do.....	27.00	n.a.
25 pounds.....	95	7.77	do.....	22.00	n.a.
25 new pence ²	13,500	28.28	925 silver, 75 copper.....	38.61	n.a.
Do ²	65,000	28.28	75% copper, 25% nickel.....	38.61	2.79
Total.....	78,785				

¹ 1977 coinage, produced by mints in the United Kingdom, was dated 1975, except the 25 pence which were dated 1952-1977.

² Commemorate the Silver Jubilee of Queen Elizabeth II. The silver coins were proof.

* Milled edges.

n.a. Not available.

NOTE.—U.K. coins also circulate in Gibraltar.

GREECE

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>
20 drachmas.....	15,229,500	11.00	75% copper, 25% nickel.....	29.00	2.30
10 drachmas.....	21,409,500	7.50	do.....	26.00	1.95
5 drachmas.....	.....	9.00	do.....	25.00	2.45
Do.....	25,420,000	5.50	do.....	22.50	1.85
2 drachmas.....	23,663,000	6.00	79% copper, 20% zinc, 1% nickel.	24.00	1.95
1 drachma.....	28,669,000	4.00	do.....	21.00	1.70
50 lepta.....	16,408,000	2.50	do.....	18.00	1.45
20 lepta.....	1,474,000	1.30	95% aluminum, 5% magnesium	22.00	1.65
10 lepta.....	1,960,000	1.10	do.....	20.00	1.65
Total.....	134,233,000				

¹ Greek Government Mint produced 1977 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 1977

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 1977 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.....	2,000,000	8.00	61% copper, 20% zinc, 19% nickel.	27.00	1.60
10 centavos.....	5,000,000	3.20	do.....	21.00	1.08
5 centavos.....	20,000,000	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.....	57,000,000				

¹ 1977 coinage, made at the Guatemalan Mint, bears the date 1977.

* 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 1977 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 ²	25,000	28.28	925 silver.....	38.61	n.a.
Do ³	207,700	28.28	75% copper, 25% nickel.....	38.61	n.a.
10 pence.....	250,000	11.31	do.....	28.50	2.03
5 pence.....	250,000	5.66	do.....	23.60	1.73
2 pence.....	600,000	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.80
1 penny.....	640,000	3.56	do.....	20.32	1.52
½ penny.....	.....	1.78	do.....	17.15	1.12
Total.....	1,972,700				

¹ 1977 coinage, made by mints in the United Kingdom, bears the year 1977, except the 25 pence which were dated 1952-1977.

² Commemorate the Silver Jubilee of Queen Elizabeth II. The silver coins were proof.

* 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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
20 pesos.....	244,000	13.00	75% copper, 25% nickel.....	32.00	n.a.
5 pesos.....	580,000	8.00	do.....	27.50	n.a.
2½ pesos.....	500,000	6.00	79% copper, 20% zinc, 1% nickel.	25.00	n.a.
1 peso.....	500,000	4.00	do.....	22.00	n.a.
50 centavos.....	500,000	2.25	Aluminum.....	25.00	n.a.
Total.....	2,324,000				

¹ 1977 coinage, produced by mints in the United Kingdom, was dated 1977.

* 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 1977	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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 dollars	130	5.74	500 gold	25.25	n.a.
50 dollars		48.30	925 silver, 75 copper	48.00	n.a.
10 dollars ²	200	43.40	do.....	45.01	n.a.
Do	100	37.53	75% copper, 25% nickel	45.01	n.a.
5 dollars ³	200	37.76	500 silver, 500 alloy	42.00	n.a.
Do	100	35.31	75% copper, 25% nickel	42.00	n.a.
1 dollar	700	19.08	do.....	35.56	2.16
50 cents	2,200	7.50	do.....	26.00	1.85
25 cents	4,005,200	4.25	do.....	22.00	1.52
10 cents	4,010,200	2.75	do.....	18.06	1.47
5 cents		2.50	79% copper, 20% zinc, 1% nickel.	19.51	1.22
Do	15,200	2.50	79% copper, 20% zinc, 1% tin	19.51	1.22
1 cent	15,200	1.50	do.....	16.00	1.17
Do		1.50	79% copper, 20% zinc, 1% nickel.	16.00	1.17
Total.....	8,049,430				

¹ 1977 coinage: 4 million 25 cent coins, 4 million 10 cent pieces, manufactured by mints in the United Kingdom, dated 1977; remainder made by the Franklin Mint, dated 1977.

² Bears the portrait of Cuffy, a national hero and leader of a slave revolt in 1763.

³ Honors H.N. Critchlow, organizer of Guyana's first labor union in 1922.

* 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 1977 ¹	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 ²	100	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	100				
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	100				

¹ Numismatic proof coins, produced by Valcambi, S.A., Switzerland, were dated 1977.

² Portrays former and current Presidents Francois and Jean Claude Duvalier and commemorates the 20th anniversary of their rule.

* 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 1977	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.....		5.67	75% copper, 25% nickel.....	24.00	2.0
20 centavos.....		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.....					

*Reeded edges: 1 lempira, 50 and 20 centavos. Smooth edges: 10, 5, 2, and 1 centavos.

HONG KONG

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>
1,000 dollars ²	33,500	15.97	916 gold.....	28.40	2.00
5 dollars ³		10.76	75% copper, 25% nickel.....	31.00	2.08
2 dollars ⁴		8.41	do.....	28.00	2.03
1 dollar.....		11.66	do.....	30.00	1.85
50 cents.....		5.83	do.....	23.60	1.60
Do.....	59,401,000	4.92	79% copper, 20% zinc, 1% nickel.....	22.50	1.72
20 cents ⁴		2.59	do.....	19.00	1.52
10 cents.....		4.54	do.....	20.57	1.98
5 cents.....	2,500,000	2.59	do.....	16.50	1.80
Total.....	61,934,500				

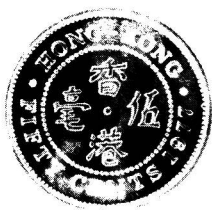
¹ The 1977 coinage, made by mints in the United Kingdom, was dated 1977.

² Coins commemorate the Year of the Snake. Includes 8,000 proof coins.

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 1977 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	120,000	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.....	4,618,000	8.83	Nickel.....	28.00	1.90
5 forint.....	50,000	5.73	 do.....	24.30	1.63
2 forint.....	10,115,000	4.44	"Brass 72".....	22.00	1.64
1 forint.....	10,050,000	1.40	97% aluminum, 3% magnesium.....	22.80	1.80
50 fillér.....	10,050,000	1.20	 do.....	21.50	1.60
20 fillér.....	30,050,000	.90	 do.....	20.40	1.40
10 fillér.....	30,075,000	.60	 do.....	18.50	1.20
5 fillér.....	60,000	.60	99.5% aluminum.....	17.00	1.36
2 fillér.....	60,000	.65	 do.....	18.00	1.11
Total.....	95,248,000				

¹ 1977 coinage, produced by Állami Pénzverő, Budapest, bore the year 1977.

² Consists of four commemorative issues of 30,000 each of which 5,000 of each are proof. The first recognizes the 175th anniversary of the founding of the Hungarian National Museum. The other three honor great Hungarian painters: Ádám Mátyóki (1673-1756), Tivadar Csontváry Kosztka (1853-1919), and Joseph Rippl-Rónai.

*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.

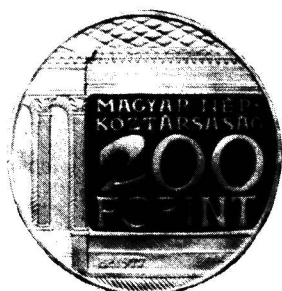
ICELAND

Denomination	Coinage in 1977 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.....	200,000	12.50	75% copper, 25% nickel.....	30.00	2.00
10 kronur.....	2,000,000	6.50	 do.....	25.00	1.80
5 kronur.....	1,000,000	4.00	 do.....	20.75	1.70
2 kronur.....		9.50	92% copper, 6% aluminum, 2% nickel.....	28.00	2.08
1 krona.....		4.75	79% copper, 20% zinc, 1% nickel.....	22.50	1.50
Do.....	10,000,000	.61	Aluminum.....	17.00	n.a.
Total.....	13,200,000				

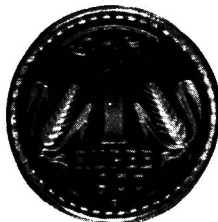
¹ 1977 coins, struck at mints in the United Kingdom, were dated 1977.

*Milled edges: 10,000, 1,000, 500, and 2 kronur, 1 krona. Smooth edges: 50, 10, and 5 kronur.

n.a. Not available.



Coinage of Hungary



Coinage of India

INDIA

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>
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.....	177,105,000	8.00	do.....	28.00	2.00
50 paise.....	97,272,000	5.00	do.....	24.00	1.55
25 paise.....	270,520,000	2.50	do.....	19.00	1.20
10 paise (12 scallops) ² ..	50,347,500	2.30	Aluminum with 3.5% to 4% magnesium.	26.00	2.25
5 paise (Square) ³	357,900,000	1.50	do.....	(⁴)	2.35
2 paise (8 scallops).....	251,955,000	1.00	do.....	20.00	1.75
1 paise (Square).....	.....	.75	do.....	(⁵)	1.85
Total.....	1,205,099,500				

¹ 1977 coinage was produced by the India Government Mint. The coins for regular issue bear the year 1977.

² Includes 25,060,000 "Development oriented design" coins.

³ Includes 100,000,000 "Development oriented design" coins.

⁴ Across corners 22 mm. Across flats 19 mm.

⁵ 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.

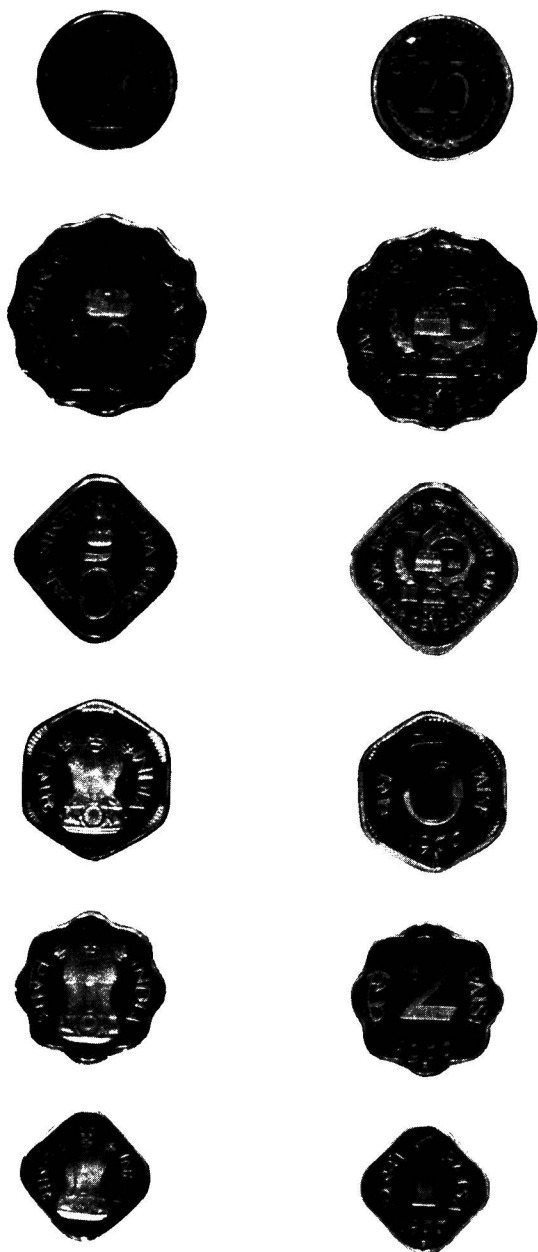
n.a. Not available.

Previous issues of Indian coins in circulation in 1977

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)	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.



Coinage of India

INDONESIA

Denomination	Coinage in 1977	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	100	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	100	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	400				
Regular issue: ²					
100 rupiah	31,746,000	9.72	75% copper, 25% nickel	28.50	1.70
50 rupiah	36,500,000	6.06	do.....	24.00	1.50
25 rupiah	36,500,000	3.52	do.....	20.00	1.25
10 rupiah		1.80	do.....	16.00	1.00
Do		4.00	90% steel brass clad	22.00	1.68
5 rupiah ³	16,300,000	3.10	Aluminum	28.50	1.78
2 rupiah		2.29	do.....	26.00	2.00
1 rupiah		1.42	do.....	22.00	1.75
Subtotal	121,046,000				
Total	121,046,400				

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 100 rupiah pieces were dated 1973, the 50 and 25 rupiah coins bore 1971, and the 5 rupiah coins were dated 1974.

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: 50, 25, and cupronickel 10 rupiahs, and all Conservation coins. Lettered edge: 100 rupiahs.

IRAN (Year ended March 20, 1978)

Denomination	Coinage ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative: ²					
10 pahlavi	5,251	81.36	900 gold, 100 silver and copper	50.00	n.a.
5 pahlavi	18,350	40.68	do	40.00	n.a.
2½ pahlavi	24,630	20.34	do	30.00	n.a.
1 pahlavi	200,550	8.14	do	22.00	n.a.
½ pahlavi	325,000	4.07	do	19.00	n.a.
¼ pahlavi	281,900	2.03	do	16.00	n.a.
Subtotal	855,681				
Regular issues:					
20 rials	23,369,583	9.00	75% copper, 25% nickel	31.00	n.a.
10 rials	24,324,000	7.00	do	28.00	n.a.
5 rials	47,905,800	4.00	do	25.00	n.a.
2 rials	54,725,000	3.00	do	22.00	n.a.
1 rial	71,150,000	1.75	do	18.00	n.a.
50 dinars		2.50	91.5% copper, 8.5% aluminum	20.00	n.a.
Do	3,270,350	2.50	Clad steel	20.00	n.a.
Subtotal	224,744,733				
Total	225,600,414				

¹ Coinage, bearing the date 2536 in Arabic, was made by the Mint of the Central Bank of Iran. See note.

² Struck by the Central Bank of Iran for Bank Melli Iran for sale to the public.

*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 1977 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		6.75	do	26.00	n.a.
Do	1,000,000	5.75	Stainless iron, 13% chromium	26.00	n.a.
5 fils ²		5.00	75% copper, 25% nickel	22.00	n.a.
Do	19,200,000	4.00	Stainless iron, 13% chromium	22.00	n.a.
1 fils ³		2.50	95.5% copper, 3% tin, 1.5% zinc.	19.00	n.a.
Total	20,200,000				

¹ 1977 coinage was produced by mints in the United Kingdom. The coins bore the dates 1395-1975.

² Coins have 12 scallops.

³ 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 fils and cupronickel 10 and 5 fils coins.

n.a. Not available.

IRELAND, REPUBLIC OF

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>
Decimal coins:					
50 pence (7 sided)....	2,400,000	13.50	75% copper, 25% nickel.....	30.00	2.50
10 pence	2,496,000	11.31	do.....	28.50	2.23
5 pence	3,270,000	5.66	do.....	23.60	1.73
2 pence	2,552,000	7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	1.78
1 penny	21,840,000	3.56	do.....	20.32	1.50
½ penny	136,000	1.78	do.....	17.15	1.09
Total	32,694,000				

¹ 1977 coinage was produced by New Mint, Sandyford, Co., Ireland, and the British Royal Mint. Coinage bore the year 1976, except for 2.4 million of the 50 pence which were dated 1977.

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

ISLE OF MAN

Denomination	Coinage in 1977	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 1977	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative coins:					
500 pounds.....		28.00	900 gold, 100 copper.....	35.00	2.15
Do.....		20.00	900 gold, 100 copper.....	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.
25 pounds.....		26.00	935 silver, 65 copper.....	37.00	3.25
Do ¹	52,100	26.00	900 silver, 100 copper.....	37.00	3.25
Do.....		30.00	800 silver, 200 copper.....	40.00	3.25
Do ¹	64,500	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 ²	75,991	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.....	192,591				
Trade coins:³					
1 pound.....	12,057,000	9.00	75% copper, 25% nickel.....	27.50	2.20
½ pound.....	11,649,000	6.80	do.....	24.50	2.00
25 agorot.....	60,000	6.50	do.....	25.50	1.90
Do.....	4,118,000	6.50	92% copper, 6% aluminum, 2% nickel.....	25.50	1.90
10 agorot.....	22,920,000	4.20	do.....	21.50	1.80
Do.....	30,180,010	1.60	97% aluminum, 3% magnesium.....	21.50	1.60
Do.....	60,000	4.20	75% copper, 25% nickel.....	21.50	1.60
5 agorot.....	60,000	2.32	do.....	17.50	1.27
Do.....		2.32	92% copper, 6% aluminum, 2% nickel.....	17.50	1.50
Do.....	34,940,010	.75	97% aluminum, 3% magnesium.....	17.50	1.50
1 agora.....	8,780,000	1.03	do.....	20.00	1.35
Subtotal.....	124,824,020				
Grand total.....	125,016,611				

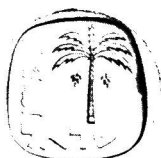
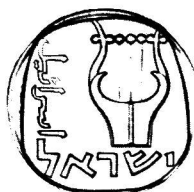
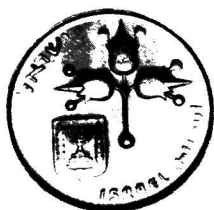
¹ Consisted of the following commemorative coins made by the Israel Government Mint, Jerusalem: The 500 fine coins were struck in honor of the 29th anniversary of Israeli independence (27,200 proof coins marked "Mem" and 37,300 uncirculated coins marked with the Star of David) while the 900 fine pieces were Pidyon HaBen coins (20,000 proof coins marked "Mem" and 32,100 uncirculated coins marked with the Star of David).

² Jerusalem Hanukka coins produced by the Israel Mint consisted of 29,689 proof coins marked "Mem" and 46,302 uncirculated coins marked with the Star of David.

³ Trade coins were produced by the Israel Mint with the exception of 30,000,010 aluminum 10 agorot and 15,000,010 aluminum 5 agorot coins, which were made by the Royal Canadian Mint. The Israel Mint also struck 60,000 mintmarked coins of each denomination, including special cupronickel issues of the 25, 10, and 5 agorot for inclusion in 1977 trade coin sets.

*Smooth edges: Nonproof commemorative 50, 25, and 10 pounds, proof 500 fine 25 pounds, 25, 10, and 5 agorot coins. Milled edges: 500, 200, 100, 50, 10, and 5 pound proofs, 25 pound Pidyon HaBen 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.



ITALY

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>
1,000 lire		14.60	"Lega argento" (835 silver, 165 copper).	31.4	2.10
500 lire	689,752	11.00	do.	29.0	2.10
200 lire	15,900,000	5.00	"Bronzital" (92% copper, 6% aluminum, 2% nickel).	24.0	1.65
100 lire	253,980,000	8.00	"Acmonital" (Steel containing 18% chrome).	27.8	2.00
50 lire	293,800,000	6.25	do.	24.8	2.00
20 lire	9,900,000	3.60	"Bronzital" (92% copper, 6% aluminum, 2% nickel).	21.3	1.50
10 lire	81,900,000	1.60	"Italma" (96.2% aluminum, 3.5% magnesium, 0.3% manganese).	23.3	1.65
5 lire	6,600,000	1.00	do.	20.2	1.40
2 lire		.800	do.	18.3	1.45
1 lira		.625	do.	17.2	1.20
Total	662,769,752				

¹ 1977 coinage, made by the Italian Government Mint, was dated 1977.

*Lettered edges: 1,000 and 500 lire. Serrated edges: 200, 100, 50, and 2 lire. Smooth edges: 20, 10, 5, and 1 lira coins.

IVORY COAST, REPUBLIC OF—See West African Monetary Union

JAMAICA

Denomination	Coinage in 1977 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	2,400,000	2.82	do.....	19.40	1.09
1 cent		4.15	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.35
Do		1.22	Aluminum	21.08	n.a.
Total	2,400,000				

¹ Coins, made by mints in the United Kingdom, were dated 1977.

*Reeded edges: \$1, 25, 20, 10, and 5 cents. Smooth edges: 50 and 1 cent coins.

n.a. Not available.

JAPAN

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>
100 yen	440,000,000	4.80	75% copper, 25% nickel	22.60	1.70
Do		12.00	do.....	30.00	2.40
50 yen	176,000,000	4.00	do.....	² 21.00	1.75
10 yen	1,467,000,000	4.50	95% copper, 4%–3% zinc, 1%–2% tin.	23.50	1.50
5 yen	340,000,000	3.75	60%–70% copper, 40%–30% zinc.	² 22.00	1.50
1 yen	895,000,000	1.00	Pure aluminum	20.00	1.50
Total	3,318,000,000				

¹ The 1977 coinage, made by the Japanese Government Mint, bears the date 52^d 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 1977

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.



JERSEY

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>
50 pence.....		13.50	75% copper, 25% nickel.....	30.00	2.29
25 pence.....	25,000	28.28	925 silver.....	38.61	n.a.
Do.....	261,600	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.....	286,600				

¹ 1977 coinage, manufactured by mints in the United Kingdom, commemorated the Silver Jubilee of Queen Elizabeth II and was dated 1952-1977.

*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 1977 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.....		17.00	75% copper, 25% nickel.....	34.00	2.40
100 fils.....	2,500,000	12.00	do.....	30.00	2.20
50 fils.....	6,000,000	7.50	do.....	26.00	1.90
25 fils.....	1,600,000	4.75	do.....	22.00	1.70
20 fils.....		3.75	do.....	20.00	1.60
10 fils.....		10.00	97% copper, 2.5% zinc, 0.5% tin.....	28.00	2.20
Do.....		10.00	95.5% copper, 3% tin, 1.5% zinc.....	28.00	2.20
5 fils.....		6.00	do.....	24.00	1.80
Do.....		6.00	97% copper, 2.5% zinc, 0.5% tin.....	24.00	1.80
1 fil.....		3.00	do.....	18.00	1.60
Do.....		3.00	95.5% copper, 3% tin, 1.5% zinc.....	18.00	1.60
Subtotal.....	10,100,000				
Numismatic:					
50 dinars ²	1,095	33.44	900 gold, 100 silver.....	34.00	2.49
25 dinars ³	575	15.29	916 gold.....	29.01	1.70
3 dinars ²	6,337	35.00	925 silver, 75 copper.....	42.00	2.87
2½ dinars ²	6,257	28.28	do.....	38.61	2.75
250 fils.....	33	32.68	916.6 gold, 83.4 copper.....	34.00	n.a.
100 fils.....	33	23.65	do.....	30.00	n.a.
50 fils.....	33	14.71	do.....	26.00	n.a.
25 fils.....	33	9.21	do.....	22.00	n.a.
10 fils.....	33	19.51	do.....	28.00	n.a.
5 fils.....	33	11.73	do.....	24.00	n.a.
1 fil.....	33	5.83	do.....	18.00	n.a.
Subtotal.....	14,495				
Total.....	10,114,495				

¹ 1977 coinage was produced by mints in the United Kingdom, with the exception of the 25 dinar coins, which were made by Huguenin Medailleurs, a private firm in Switzerland. The 250 fils through 1 fil gold proof coins were dated 1975; all other coins bore 1977.

² Part of the World Wildlife Conservation series. Includes 270 proof 50 dinars, 3,087 proof 3 dinars, and 3,029 proof 2½ dinars.

³ Reported by usually reliable unofficial source to be proof coins commemorating the 25th anniversary of the reign of King Hussein.

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.

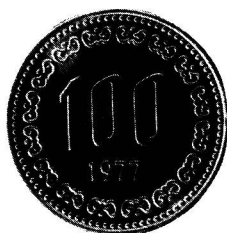
KENYA

Denomination	Coinage in 1977 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 .....	.....	7.78	 do	27.74	1.45
50 cents	7,680,000	3.89	 do	20.96	1.32
25 cents .....	.....	2.59	 do	18.06	1.35
10 cents	9,600,000	9.45	79% copper, 20% zinc, 1% nickel.	30.86	1.47
5 cents .....	.....	5.67	 do	25.48	1.30
Total	17,280,000				

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

*Milled edges: 2 shillings, 1 shilling, 50 and 25 cents. Smooth edges: 5 shillings and 10 and 5 cents.

n.a. Not available.



Coinage of Korea

KOREA

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 won.....	30,000,000	5.42	75% copper, 25% nickel.....	24.00	n.a.
Do.....		12.00	do.....	30.00	n.a.
50 won.....	1,000,000	4.16	70% copper, 18% zinc, 12% nickel.	21.60	n.a.
10 won.....	1,000,000	4.06	65% copper, 35% zinc.....	22.86	n.a.
5 won.....	1,000,000	2.95	do.....	20.40	n.a.
1 won.....	30,000,000	.73	Pure aluminum.....	17.20	1.39
Total	63,000,000				

¹ 1977 coinage, made by Kyeongsan Mint, was dated 1977.

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

n.a. Not available.

KUWAIT

Denomination	Coinage in 1977 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	1,600,000	6.50	75% copper, 25% nickel.....	26.0	1.68
50 fils	6,000,000	4.50	do.....	23.0	1.47
20 fils	3,200,000	3.00	do.....	20.0	1.32
10 fils	2,400,000	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	2,500,000	2.00	do.....	17.0	n.a.
Total	17,700,000				

¹ The 1977 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 1977	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 livre (pound)		9.50	Pure nickel	28.00	n.a.
50 piastres		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					

*Milled edges: All denominations.

n.a. Not available.

LESOTHO—Coins of the Republic of South Africa circulate in Lesotho

LIBERIA

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>
100 dollars	5,344	10.93	900 gold	26.16	n.a.
25 dollars		23.31	910 silver, 90 copper	30.20	2.30
5 dollars	3,683	35.64	900 silver, 100 copper	42.00	3.12
1 dollar	2,131	17.94	75% copper, 25% nickel	34.00	2.74
50 cents	2,131	8.97	do.....	29.00	1.91
25 cents	2,131	4.49	do.....	23.00	1.50
10 cents	2,131	1.79	do.....	16.99	1.17
5 cents	2,131	4.15	do.....	19.99	1.73
1 cent	2,131	2.59	95% copper, 5% zinc	17.91	1.40
Total	21,813				

¹ All but the \$100 coins were manufactured by mints in the United Kingdom and dated 1976. Includes 2,131 7-coin proof sets. The 900 fine gold commemorative coins with reeded edges were believed to have been manufactured in honor of the founding President Joseph J. Roberts, on the 130th anniversary of Liberia, by the Franklin Mint, Pennsylvania.

*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.

LIBYA

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>
100 dirhams	1,432,500	8.00	75% copper, 25% nickel	27.00	n.a.
50 dirhams (scalloped)	4,640,000	6.30	 do	25.00	n.a.
20 dirhams	3,500,000	5.50	Cupronickel clad steel	24.00	n.a.
10 dirhams	6,750,000	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	16,322,500				

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.

NOTE.—The name of the pound was changed to the Libyan dinar, with units of dirhams, on Sept. 1, 1971.

Previous issues of Libyan coins in circulation in 1977

Denomination	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 millimes	11.00	75% copper, 25% nickel	30.00	2.0
50 millimes	7.00	 do	(¹)	1.8
20 millimes	6.00	 do	24.00	1.8
10 millimes	3.25	 do	20.00	1.5
5 millimes	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 millimes. Smooth edges: 50, 20, 5, and 1 millieme coins.

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 1977 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		6.00	75% copper, 25% nickel	24	1.75
1 franc	1,000,000	4.00	 do	21	1.51
25 centimes		.76	97% aluminum, 3% magnesium	19	1.00
Total	2,000,000				

¹ 1977 coinage made by Belgian Government Mint, Brussels, was dated 1977.

* 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 1977	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		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					

*Serrated edges: 20, 5 patacas, 1 pataca (silver), and 50 avos. Smooth edges: 1 pataca (nickel), 10, and 5 avos.

MADEIRA ISLANDS—Coins of Portugal circulate in Madeira Islands

MADAGASCAR, DEMOCRATIC REPUBLIC OF

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>
20 francs	600,000	6.00	92% copper, 6% aluminum, 2% nickel.	24.50	1.70
Do		4.00	91% copper, 9% aluminum	23.50	1.70
10 francs		3.00	do	20.00	1.70
Do	2,500,000	3.50	92% copper, 6% aluminum, 2% nickel.	21.00	1.70
5 francs	4,000,000	5.00	Stainless steel	22.00	2.00
Do		3.50	95% aluminum, 5% magnesium	31.00	2.30
2 francs	3,000,000	3.40	Stainless steel	19.00	1.88
Do		2.20	95% aluminum, 5% magnesium	27.00	1.90
1 franc	2,250,000	2.40	Stainless steel	17.00	1.66
Do		1.30	95% aluminum, 5% magnesium	23.00	1.40
Total	12,350,000				

¹ 1977 coins were manufactured by French Government Mint, Paris. Dates reflect the year in which the minting order was given.

*Smooth edges.

MALAWI

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>
10 kwacha		28.87	925 silver	38.60	n.a.
Do		49.09	916 gold	38.60	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	5,000,000	3.56	97% copper, 2.5% nickel, 0.5% zinc.	20.30	n.a.
1 tambala	10,000,000	1.78	do	17.20	n.a.
Total	15,000,000				

¹ 1977 coinage, produced by mints in the United Kingdom, was dated 1977.

*Smooth edges: 2 and 1 tambala. Reeded edges: 10 kwacha, 20, 10, and 5 tambala. Incuse-lettered edge: 1 kwacha. n.a. Not available.

MALAYSIA

Denomination	Coinage in 1977	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Commemorative:					
500 ringgit ¹		33.44	900 gold	34.00	2.49
250 ringgit		10.28	do.....	26.16	1.55
200 ringgit ²	18,117	7.43	do.....	25.25	1.35
25 ringgit ²	106,081	35.00	925 silver	42.00	3.22
Do ¹	200	35.00	do.....	42.00	2.87
15 ringgit ¹	1,000	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 ³	1,514,245	16.85	do.....	33.35	2.41
Do (14 sided) ⁴	414,608	16.85	do.....	33.35	2.41
Subtotal	2,054,251				
Regular issue: ⁵					
50 sen	12,658,598	9.33	75% copper, 25% nickel	27.76	2.16
20 sen	66,139,363	5.66	do.....	23.60	1.70
10 sen	51,600,493	2.83	do.....	19.41	1.35
5 sen	12,229,239	1.41	do.....	16.26	.97
1 sen		1.94	97% copper, 2.5% zinc, 0.5% tin	17.78	1.12
Do	22,221,441	1.74	Copper clad steel	17.78	1.12
Subtotal	164,849,134				
Total	166,903,385				

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 Coins commemorating the Ninth Southeast Asia Games, dated 1977, were produced by the Franklin Mint, a private mint in the United States, and included 5,578 proof \$200 and 6,077 proof \$25.

³ Consists of 1,011,095 1977-dated coins commemorating the Ninth Southeast Asia Games (1,000,016 made by Kilang Wang; 11,079 proof coins manufactured by the Franklin Mint) and 503,150 coins dated 1957-1977 in honor of the 20th anniversary of Malaysian independence (500,050 made by Kilang Wang; 3,100 proof coins manufactured by the Franklin Mint).

⁴ Coins commemorating the Third Malaysian Plan for economic development bore 1976-1980 and were produced by Kilang Wang (Malaysian Mint).

⁵ Coins for regular issue were produced by Kilang Wang. 4,422 50 sen, 14,129,458 20 sen, 3,247,109 5 sen, and 2,711,434 1 sen were dated 1976; all others bore the year 1977.

*Smooth edges: All 14-sided coins designated in denomination column and 1 sen coins. Reeded edges: \$500, \$250, \$25, \$15, 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.

MALDIVE REPUBLIC

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>
20 rupees	15,000	28.28	500 silver, 500 copper	38.61	n.a.
5 rupees	15,000	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	(?)	n.a.
5 laris		2.59	do	(?)	n.a.
2 laris		3.24	97% copper, 2.5% zinc, 0.5% tin.	(*)	n.a.
1 lari		1.50	do	15.01	n.a.
Total	30,000				

¹ 1977 coinage, produced by mints in the United Kingdom, was dated 1977. 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.

* 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.

n.a. Not available.

MALI

Denomination	Coinage in 1977	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 1977	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		13.60	75% copper, 25% nickel.....	31.19	n.a.
25 cents	1,000,000	10.48	79% copper, 20% zinc, 1% nickel.	28.17	n.a.
10 cents	500,000	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	1,500,000				
Total	1,500,000				

¹ Coins for regular issue were produced by mints in the United Kingdom. The 25 cent coins were dated 1975; the 10 cent coins bore 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 1977 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	1	33.43	900 gold, 100 silver.....	34.00	2.49
200 rupees.....		15.56	916.6 gold.....	27.76	n.a.
50 rupees ²	100	35.00	925 silver.....	42.00	2.87
Do ²	100	31.65	500 silver, 500 copper.....	42.00	2.87
25 rupees ³	36,500	28.28	925 silver.....	38.61	2.75
Do ²	100	25.31	500 silver, 500 copper.....	38.61	2.75
1 rupee.....	2,200,000	11.66	75% copper, 25% nickel.....	30.00	2.44
50 cents.....	3,400,000	5.83	do.....	23.60	n.a.
25 cents.....	6,400,000	2.91	do.....	19.00	n.a.
10 cents (12 scallops).....		5.18	do.....	23.50	1.75
5 cents.....		9.72	95.5% copper, 3% tin, 1.5% zinc.....	28.40	1.70
Do.....	900,000	9.72	97% copper, 2.5% zinc, 0.5% nickel.....	28.40	1.70
2 cents.....	4,000,000	3.89	do.....	23.10	1.02
Do.....		3.89	95.5% copper, 3% tin, 1.5% zinc.....	23.10	1.02
1 cent.....		1.94	do.....	17.80	.91
Do.....	1,250,000	1.94	97% copper, 2.5% zinc, 0.5% nickel.....	17.80	.91
Total.....	18,186,801				

¹ Coins, made by mints in the United Kingdom, were dated 1975, except the gold and silver coins which bore 1977.

² Part of the World Wildlife Conservation Series, calling attention to endangered species of wildlife. The 1,000 rupees and the 925 fine 50 rupees were proof.

³ Consists of 15,000 Conservation coins and 21,500 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.



Coinage of Mexico

MEXICO

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>
100 pesos	5,225,000	27.78	720 silver, 280 copper	39.00	2.84
25 pesos		22.50	do.	38.00	2.56
10 pesos ²	79,620,000	10.00	75% copper, 25% nickel	30.50	2.40
5 pesos	102,000,000	14.00	do.	33.00	2.22
1 peso	94,364,000	9.00	do.	29.00	1.91
50 centavos	12,410,000	6.50	do.	25.00	1.83
20 centavos	394,350,000	3.00	do.	20.00	1.36
Do		10.00	95% copper, 5% zinc	28.50	2.18
10 centavos	144,650,000	1.50	75% copper, 25% nickel	15.00	1.16
5 centavos		2.75	85% copper, 15% zinc	18.00	1.45
Do		2.75	95% copper, 5% zinc	18.00	1.45
1 centavo		1.50	do.	13.00	1.48
Total	832,619,000				

¹ Made by the Mexican Government Mints. Coins were dated 1977.

² Seven-sided coin.

*Milled edges: 1 peso, cupronickel 50, 20, and 10 centavos. Smooth edges: 10 pesos, 20, 5, and 1 centavo coins. Lettered edge: 100, 25 and 5 pesos coins.

MONACO

Denomination	Coinage in 1977	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.

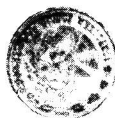
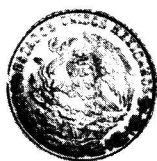
MONGOLIAN PEOPLE'S REPUBLIC

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
750 tukhrik	333	33.44	900 gold	34.00	2.49
50 tukhrik	2,328	35.00	925 silver	42.00	2.87
25 tukhrik	2,890	28.28	do.	38.61	2.75
Total	5,551				

¹ 1977 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. 123 750 tukhrik, 500 50 tukhrik, and 1,068 25 tukhrik were proof coins.

* Reeded edges: All denominations.

NOTE.—The basic monetary unit, the tukhrik, is divided into 100 mongo.



Coinage of Mexico

MOROCCO

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>
250 dirhams ²	5,050	6.45	900 gold, 100 silver	21.00	n.a.
Do ³	20	9.67	do	21.00	n.a.
50 dirhams ³	20	60.45	do	42.00	n.a.
Do ³	10	90.52	do	42.00	n.a.
Do ⁴	15,800	35.36	925 silver, 75 copper	42.00	n.a.
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		12.00	75% copper, 25% nickel	29.00	n.a.
Do		12.00	925 silver	29.00	n.a.
1 dirham		6.00	900 gold	24.00	1.82
Do ⁵	1,900,000	6.00	75% copper, 25% nickel	24.00	1.82
50 centimes		4.00	900 gold	21.00	2.20
Do ⁶	13,900,000	4.00	75% copper, 25% nickel	21.00	2.20
20 centimes		4.00	900 gold	23.00	1.60
Do	22,800,000	4.00	92% copper, 6% aluminum, 2% nickel	23.00	1.60
10 centimes		3.00	900 gold	20.00	1.60
Do ⁶	14,000,000	3.00	92% copper, 6% aluminum, 2% nickel	20.00	1.60
5 centimes		2.00	900 gold	17.50	1.90
Do ⁶	2,400,000	2.00	92% copper, 6% aluminum, 2% nickel	17.50	1.90
1 centime		.70	900 gold	17.00	1.40
Do		.70	Aluminum	17.00	1.40
Total	55,020,900				

¹ 1977 coinage made by mints in the United Kingdom.

² Coins commemorate various birthdays of King Hassan II. Consists of 250 proof coins dated 1395-1975, 250 proof coins dated 1396-1976, and 4,550 (1,050 proof) coins dated 1397-1977.

³ Proof coins dated 1397-1977.

⁴ Consists of the following commemorative issues: 4,950 coins dated 1395-1975 marking International Women's Year; 4,650 coins dated 1395-1975 commemorating the 20th anniversary of Moroccan independence; 3,000 coins dated 1396-1976 commemorating the first anniversary of the Green March into the Spanish Sahara; and 3,200 (200 proof) 1397-1977-dated coins honoring the second anniversary of the Green March.

⁵ Issued in connection with FAO food coin plan, with dates 1394-1974.

*Reeded edges: 250, 50, and 1 dirhams; 50, 20, and 10 centimes. Smooth edges: 5 and 1 centimes.

n.a. Not available.

NOTE.—From July 1974 the "centime" replaced the "franc" in Moroccan coinage, pursuant to Moroccan Law 1-72-123, July 27, 1972. The coins bear the centime designation in Arabic script.

Previous issues of Moroccan coins also outstanding in 1977

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 1977	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		10.00	680 silver, 320 copper	30.00	1.70
Do		10.00	720 silver, 280 copper	30.00	1.50
Do		12.00	Pure nickel	30.00	2.12
10 escudos		9.00	75% copper, 25% nickel	28.00	2.00
Do		9.00	75% copper, 25% zinc	28.00	2.10
5 escudos		4.00	600 silver, 400 copper	22.00	1.00
Do		7.00	75% copper, 25% nickel	24.50	2.00
2½ escudos		3.50	do.	20.00	1.50
1 escudo		8.00	95% copper, 3% zinc, 2% tin.	26.00	2.10
50 centavos		4.50	do.	22.50	1.50
20 centavos		3.00	do.	20.50	1.10
Do		1.80	do.	16.00	1.20
10 centavos		1.80	do.	16.00	1.10
Subtotal					
Metica-centimo system:					
2½ meticas		13.50	75% copper, 25% nickel	30.00	n.a.
1 metica		11.31	do.	28.50	n.a.
50 centimos		5.66	do.	23.60	n.a.
20 centimos		2.83	do.	19.41	n.a.
10 centimos		7.13	97% copper, 2.5% zinc, 0.5% tin.	25.91	n.a.
5 centimos		3.56	do.	20.32	n.a.
2 centimos		1.78	do.	17.15	n.a.
1 centimo		.50	Aluminum	16.00	n.a.
Total					

*Serrated edges: 1 metica, 50, and 20 centimos; 20, 10, 5, and 2½ escudos. Smooth edges: 2½ meticas; 10, 5, 2, and 1 centimos coins; 1 escudo; 50, 20, and 10 centavos.
n.a. Not available.

NOTE.—Formerly Portuguese East Africa, Mozambique was granted independence on June 25, 1975. The escudo monetary system has been retained; conversion to the metica-centimo system has been delayed indefinitely.

NEPAL

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>
1 asarfi.....		33.43	900 gold, 100 silver.....	34.00	2.49
50 rupees.....		35.00	925 silver.....	42.00	2.87
Do ²	100	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	100	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.....	30,057,535	7.50	75% copper, 25% nickel.....	27.50	1.85
Do.....		7.00	do.....	26.50	n.a.
50 paisa.....	4,540,788	5.00	do.....	23.50	1.31
25 paisa.....	2,274,880	3.00	do.....	19.00	1.21
10 paisa.....		1.40	100% aluminum.....	22.00	n.a.
Do.....	4,683,761	2.20	66% copper, 34% zinc.....	18.50	n.a.
Do.....		4.00	do.....	21.00	1.34
5 paisa.....	27,222,282	1.20	100% aluminum.....	20.50	1.31
2 paisa.....		.90	do.....	18.50	1.21
1 paisa.....	1,039,866	.60	do.....	16.50	1.01
Total.....	69,819,412				

¹ Production for general circulation by His Majesty's Government Mint, Kathmandu, except for the 30 million 1 rupee coins, which were struck by the Royal Canadian Mint. The lower denomination coins for regular issue were dated 2034, except for 57,535 of the 1 rupee coins which bore the year 2033.

² Dated 2031, and believed to be part of the World Wildlife Conservation coin series, calling attention to endangered species of wildlife. The 925 fine 25 rupees were proof coins dated 2033. 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 and 25 paisa. Smooth edges: 10, 5, 2, and 1 paisa coins.

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 1977 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		10.00	Pure nickel.....	29.00	2.30
1 guilder	38,000,000	6.00	do	25.00	1.80
25 cents	55,000,000	3.00	do	19.00	1.50
10 cents	100,000,000	1.50	do	15.00	1.20
5 cents	50,000,000	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.....	258,000,000				

¹ Coins made at Netherlands Government Mint, Utrecht, and dated 1977.

*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 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
200 guilders ²	8,532	14.55	500 gold	33.00	1.90
25 guilders ²	2,000	42.12	925 silver	45.00	n.a.
2½ guilders	100,000	14.00	Pure nickel	32.00	2.60
1 guilder		10.00	720 silver, 280 copper	28.00	2.00
Do		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	1,000,000	2.00	Pure nickel	16.00	1.40
5 cents ³	1,000,000	4.50	75% copper, 25% nickel	18.00	1.80
2½ cents		4.00	95% copper, 4% zinc, 1% tin.	23.50	1.40
Do	1,400,000	4.00	95% copper, 4% tin, 1% zinc.	22.00	1.60
1 cent	4,400,000	2.50	 do.....	18.00	1.40
Do		2.50	95% copper, 4% zinc, 1% tin.	19.00	1.40
Total	8,910,532				

¹ 1977 circulation coinage was made by Netherlands Government Mint, Utrecht. The 2½ guilders were dated 1978; 400,000 2½ and 1 cent coins bore 1976. All others were dated 1977.

² Commemorative coins, dated 1977, which are believed to have been struck by a private mint. The 200 guilder coin is 8-sided.

³ Square coin with rounded corners. (Diameter measurement across sides.)

*Lettered edges: 25, 2½, and silver 1 guilder. Smooth edges: Nickel 1 guilder, 5, 2½, and 1 cent pieces. Milled edges: 25 and 10 cent coins.

n.a. Not available.

NEW CALEDONIA

Denomination	Coinage in 1977 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		10.00	 do.....	28.50	2.10
10 francs		6.00	 do.....	24.00	1.80
5 francs		3.50	95% aluminum, 5% magnesium.	31.00	n.a.
2 francs	1,000,000	2.20	 do.....	27.00	n.a.
1 franc	1,000,000	1.30	 do.....	23.00	n.a.
Total	2,000,000				

¹ 1977 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 1977	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		3.00	do.....	20.00	n.a.
1 franc		2.00	do.....	17.00	n.a.
Total					

*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 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 dollar	27,000	27.22	925 silver, 75 copper	38.74	3.07
Do	13,439	27.22	75% copper, 25% nickel	38.74	3.07
50 cents	2,000,415	13.61	do.....	31.75	2.24
20 cents	7,500,415	11.31	do.....	28.57	2.29
10 cents	5,000,415	5.66	do.....	23.62	1.73
5 cents	415	2.83	do.....	19.43	1.35
2 cents	20,000,415	4.15	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 cent	415	2.07	do.....	17.53	1.17
Total	34,542,929				

¹ 1977 coinage, manufactured by mints in the United Kingdom, was dated 1977. The silver dollar coins were proof.

*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 1977

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 1977 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		19.20	900 gold	32.00	n.a.
1,000 cordobas	443	9.72	 do.	25.00	1.43
500 cordobas		5.40	 do.	21.00	n.a.
200 cordobas		2.10	 do.	15.00	n.a.
100 cordobas	7,064	25.14	925 silver	40.00	n.a.
50 cordobas	7,064	12.57	 do.	30.00	n.a.
20 cordobas	3,532	5.03	 do.	22.00	n.a.
Subtotal	18,103				
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		1.25	Aluminum with 4% magnesium	20.00	1.80
5 centavos		1.50	 do.	21.50	n.a.
Total	18,103				

¹ 1977 coinage was made by mints in the United Kingdom, except for the 1,000 cordobas which were made by the Royal Canadian Mint. All coinage was dated 1975.

² Coins in this series honor the Bicentennial of American independence and express Nicaragua's gratitude for World assistance following the 1972 Managua earthquake.

*Milled edges: All denominations.

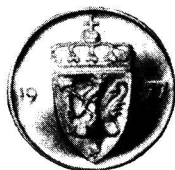
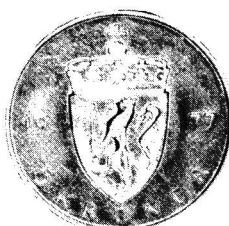
n.a. Not available.

NIGERIA

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>
25 kobo		10.00	75% copper, 25% nickel	26.92	2.20
10 kobo	93,500,000	4.00	 do.	22.86	1.30
5 kobo		2.76	 do.	20.00	1.10
1 kobo	34,144,000	5.80	97% copper, 2.5% zinc, 0.5% tin.	25.00	1.10
½ kobo		3.50	 do.	21.60	1.30
Total	127,644,000				

¹ 1977 coinage, manufactured by the Nigerian Security Printing and Minting Company, Ltd., was dated 1973.

*Reeded edges: 25, 10, and 5 kobo. Smooth edges: 1 and ½ kobo.



Coinage of Norway

NORWAY

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>
25 kroner.....		29.00	875 silver, 125 copper.....	39.00	2.90
5 kroner.....	4,629,600	11.50	75% copper, 25% nickel.....	29.50	2.23
1 krone.....	26,263,500	7.00	do.....	25.00	1.83
50 ore.....	19,411,750	4.80	do.....	22.00	1.63
25 ore.....	20,150,000	2.40	do.....	17.00	1.40
10 ore.....	43,304,000	1.50	do.....	15.00	1.18
5 ore.....		8.00	95% copper, 4% tin, 1% zinc.....	27.00	1.75
Do.....	29,646,000	3.00	do.....	19.00	1.48
Total.....	143,404,850				

¹ The 1977 coinage, made by the Royal Mint of Norway, bears the date 1977.

*Incused lettered edge: 5 kr. Milled edges: 1 kr, 50, 25, and 10 ore. Smooth edge: 5 ore.

Previous issues of Norwegian coins in circulation in 1977

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 (1924-51).....	8.0	95% copper, 4% tin, 1% zinc.....	² 27	1.88
5 ore (1951-57).....	8.0	do.....	² 27	1.88

¹ Perforated.

² Not perforated.

*Smooth edges: All denominations.

OMAN

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>
75 rial ²	1,076	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	10,240	35.00	 do	34.00	2.87
Do	1,000	46.65	916.6 gold	38.74	n.a.
2½ rial ²	10,550	28.28	925 silver, 75 copper	38.61	2.75
1 rial		16.00	925 silver	32.13	1.91
Do	1,000	25.60	916.6 gold	33.02	n.a.
½ rial		8.00	925 silver	24.26	1.68
Do	1,000	19.67	916.6 gold	28.40	n.a.
¼ rial		4.04	925 silver	19.05	1.35
Do	1,000	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	25,866				

¹ 1977 coinage was made by mints in the United Kingdom and dated 1397. The 916 fine gold coins were proof.

² Part of the World Wildlife Conservation series, drawing attention to endangered species of wildlife. 251 75 rials, 4,940 5 rials, and 5,250 2½ rials were proof coins.

*Milled edges: 75, 15, 5, 2½, 1, ½, and gold ¼ rials and 100, 50, and 25 baizas. Smooth edges: Silver ¼ rial, 10, 5, and 2 baizas. 20 baizas edge unknown.

n.a. Not available.

PAKISTAN

Denomination	Coinage in 1977 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	988	33.44	900 gold	34.00	2.49
1,000 rupees ³	n.a.	7.29	916.6 gold	25.00	n.a.
500 rupees ⁴	n.a.	4.50	do	19.00	n.a.
150 rupees ²	7,379	35.00	925 silver	42.00	2.87
100 rupees ³	n.a.	20.44	do	36.00	n.a.
Do ²	7,405	28.28	do	38.61	2.75
1 rupee ⁶	10,074,000	7.50	75% copper, 25% nickel	27.50	1.72
50 paisa ⁷	5,600,000	5.83	do	24.00	1.75
Do	5,548,000	5.00	do	23.00	1.75
25 paisa	22,092,000	4.00	do	20.00	1.75
10 paisa (Scalloped)		4.00	do	22.00	1.45
Do	29,045,000	1.60	Pure aluminum	22.00	1.35
5 paisa (square)	32,840,000	1.25	do	21.00	1.30
2 paisa (Scalloped)		1.00	do	19.50	1.45
1 paisa	62,780,000	.75	do	17.00	1.25
Total	167,994,772				

¹1977 coinage for general circulation was produced by the Pakistan Mint, Lahore. Numismatic coin production was allocated as follows: 3,000, 150, and 28.28 gram 100 rupees were made by mints in the United Kingdom; 1,000, 500, and 20.44 gram 100 rupees made by Valcambi, S.A., Switzerland, production details not available. Coins were dated 1977, except for the 5.83 gram 50 paisa which bore 1976, and as specified below for numismatic coins.

²Part of the World Wildlife Conservation series, dated 1976.

³Commemorates the Islamic Summit Conference held in Lahore in 1974, dated 1977.

⁴Honors the 100th anniversary of the birth of Allama Muhammad Iqbal, dated 1877-1977.

⁵Consists of coins honoring the Islamic Summit and the anniversary of the birth of Allama Muhammad Iqbal.

⁶Consists of 5,074,000 Islamic Summit coins and 5,000,000 Allama Muhammad Iqbal commemoratives.

⁷Commemorate the 100th anniversary of the birth of Quaid-e-Azam Mohammad Ali Jinnah, the founder of Pakistan.

*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 1977

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

¹12 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 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
500 balboas ²	2,049	38.91	900 gold.....	45.00	n.a.
100 balboas ³	5,466	8.32	do.....	26.00	n.a.
20 balboas ⁴	29,864	132.20	925 silver, 75 copper.....	61.00	5.72
5 balboas.....	9,548	35.12	do.....	39.00	3.20
Do.....	125	35.12	75% copper, 25% nickel.....	39.00	n.a.
Do.....	9,000	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.....	11,296	26.86	925 silver.....	38.10	n.a.
Do.....	625	26.86	75% copper, 25% nickel.....	38.10	n.a.
½ balboa.....	10,798	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.....	32,000	11.50	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.....	30.61	1.98
¼ balboa.....	52,000	5.67	do.....	24.26	1.83
Do.....	12,048	5.67	75% copper, 25% nickel.....	24.26	n.a.
⅓ balboa.....	15,798	2.27	do.....	17.91	1.30
Do.....	70,000	2.27	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.....	17.91	1.30
5 centésimos.....	100,000	5.00	do.....	21.21	1.78
Do.....	22,048	5.00	75% copper, 25% nickel.....	21.21	1.78
2½ centésimos.....	34,548	1.24	do.....	10.00	n.a.
Do.....	60,000	1.24	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.....	10.00	2.00
1 centésimo.....	10,072,048	3.11	95% copper, 5% zinc.....	19.05	1.63
Do.....	550,000	3.11	3-layer composite: outer cladding 75% copper, 25% nickel bonded to a core of pure copper.....	19.05	1.63
Total.....	11,099,261				

¹ 1977 coinage was produced as follows: All clad coins were manufactured by the Royal Canadian Mint and dated partially 1975 and partially 1976; 10,000,000 1 centésimo coins were manufactured by the U.S. Mint and were dated 1977; the remaining coins were made by the Franklin Mint, a private mint in the United States, and bore the year 1977. The silver 5 and 1 balboas and 9,548 each of the nonclad 50 through 1 centésimo coins were proof.

² Consists of 1,980 proof, 59 uncirculated, and 10 circulation coins.

³ Consists of 5,092 proof, 324 uncirculated, and 50 circulation coins.

⁴ Consists of 24,485 proof, 2,879 uncirculated, and 2,500 circulation coins.

* Reeded edges: 20, 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 1977	Gross weight	Metallic composition	Diam- eter	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		11.30	do.....	28.52	n.a.
10 toea		5.65	do.....	23.59	n.a.
5 toea		2.83	do.....	19.40	n.a.
2 toea		4.15	97% copper, 2.5% zinc, 0.5% tin.	21.59	n.a.
1 toea		2.07	do.....	17.52	n.a.
Total.....					

*Reeded edges: 1 kina, 20, 10, and 5 toea. Smooth edges: 2 and 1 toea coins.

n.a. Not available.

PARAGUAY

Denomination	Coinage in 1977	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 guaranies.....		5.56	Stainless steel.....	26.00	1.70
10 guaranies.....		4.15	do.....	22.00	1.50
5 guaranies.....		3.43	do.....	20.00	1.50
1 guarani.....		2.76	do.....	18.00	1.50
Total.....					

*Smooth edges: All denominations.

PERU

Denomination	Coinage in 1977 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.....	.....	11.63	60% copper, 25% zinc, 15% nickel.	31.00	1.80
5 soles.....	94,272,000	4.30	do.....	22.50	1.24
1 sol.....	2,100,000	3.20	70% copper, 30% zinc.....	21.00	1.07
½ sol.....	18,943,000	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.....	115,315,000				

¹ 1977 coinage was made by Government Mint of Peru, except for the 1 soles which were made by the U.S. Mint, Philadelphia. All coins bore the year 1977, except the 1 soles, which were dated 1976.

*Serrated edges: 200, 100, and 10 soles. Smooth edges: 5, 1, and ½ soles, 20 and 10 centavos.



Coinage of Peru

PHILIPPINES

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5,000 pesos ²	3,923	70.00	900 gold	50.00	n.a.
1,500 pesos ³	12,000	20.45	 do	33.25	n.a.
1,000 pesos		9.95	 do	27.74	n.a.
50 pesos ⁴	21,005	28.00	925 silver, 75 copper	40.00	n.a.
25 pesos ⁵	18,132	25.00	500 silver, 500 copper	38.00	n.a.
5 pesos	18,132	22.00	Pure nickel	36.00	2.60
1 piso	20,132	9.50	75% copper, 25% nickel	29.00	2.00
25 sentimos	18,132	4.00	 do	21.00	1.70
10 sentimos	518,132	2.00	 do	18.00	1.30
5 sentimos	1,106,132	2.50	60% copper, 40% zinc	(*)	1.40
1 sentimo	18,132	1.20	99.2% aluminum, 0.8% magnesium	(*)	2.40
Total	1,753,852				

¹ 1977 coinage, the third year of the "Ang Bagong Lipunan" or "New Society" series, bore the year 1977. Production included 6,807 proof sets (denominations 50 piso through 1 sentimo), 2,873 individual proof 50 pesos, and 1,325 uncirculated coins of each of the denominations 50 piso through 1 sentimo 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, with the exception of the 1 piso, of which 12,000 circulating pieces were struck. In addition, the Central Bank of the Philippines, Gold Refinery and Mint made 500,000 10 sentimos and the U.S. Mint produced 1,088,000 (1976-dated) 5 sentimos.

² Commemorates the 5th anniversary of the New Society. Consists of 3,823 proof and 100 uncirculated coins.

³ Consists of 7,000 proof and 5,000 uncirculated coins commemorating the 5th anniversary of the New Society. Produced by the Trade Development Bank, Geneva, Switzerland.

⁴ Commemorates the opening of the Central Bank Security Printing Plant and Mint complex.

⁵ Commemorates the Philippines' achievement of self-sufficiency in rice production.

* Scalloped coin measuring 19 mm. at outer edge, 17 mm. at inner edge.

⁷ Square coin with rounded corners measuring 19 mm. diagonally and 16.5 mm. across flats.

⁸ Smooth edges: 1,000, 50, 25, and 5 pesos, 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 1977

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.

POLAND

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
2,000 zloty ²	4,000	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 ³	90,000	16.50	do.....	32.00	2.55
20 zloty	n.a.	10.15	75% copper, 25% nickel.....	29.00	2.20
10 zloty	n.a.	9.50	do.....	28.00	2.20
Do	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.	2.70	do.....	27.00	2.30
1 zloty	n.a.	2.20	do.....	25.00	2.20
50 grosz	n.a.	1.60	do.....	23.00	1.90
20 grosz	n.a.	1.00	do.....	20.00	1.50
10 grosz	n.a.	.70	do.....	17.00	1.30
5 grosz	n.a.	n.a.	do.....	16.00	1.45
Total	n.a.				

¹ 1977 coinage was produced by Mennica Państwowa, Warsaw. Coins for general circulation were dated 1977.

² Commemorates Frederic Chopin, Polish composer and pianist, dated 1977.

³ Consists of 30,000 commemorating the Royal Palace, Wawel, and 30,000 each honoring Poland's two Nobel Prize for literature winners, Wladyslaw Reymont and Henryk Sienkiewicz.

*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 1977 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	32,814	25.0	680 silver, 320 copper	37.00	2.70
100 escudos ²	29,064	15.0	650 silver, 350 copper	32.00	2.26
50 escudos		18.0	do.	34.00	2.40
25 escudos	7,656,811	9.5	75% copper, 25% nickel	26.30	2.10
5 escudos	27,491,912	7.0	do.	24.50	2.00
2½ escudos	45,236,869	3.5	do.	20.00	1.50
1 escudo	6,278,099	8.0	95% copper, 3% zinc, 2% tin.	26.00	2.10
Do		8.0	61% copper, 20% zinc, 19% nickel.	26.80	2.00
50 centavos		4.5	do.	22.80	1.50
Do	16,340,438	4.5	95% copper, 3% zinc, 2% tin.	22.50	1.50
20 centavos		1.8	do.	16.00	1.20
10 centavos	8,431,273	.5	97.5% aluminum, 2.5% magnesium.	15.00	1.30
Total	111,497,280				

¹ 1977 coinage was made at Portuguese Government Mint, Lisbon. The 5, 2½, and 1 escudos and 50 and 10 centavos coins were dated partially 1976 and partially 1977. The 25 escudos were dated 1977, while the remaining denominations were dated 1976.

² Commemorative issue marking the Day of the Revolution, Apr. 25, 1974; all coins were of proof quality.

*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	21.0	do.	34	2.8
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	2.2
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.



Coinage of Portugal

PORTUGUESE EAST AFRICA—See Mozambique**PORTUGUESE MACAO—See Macao****PORTUGUESE TIMOR**

Denomination	Coinage in 1977	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 1977	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 dirhams		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		3.75	 do	22	1.37
1 dirham		1.50	 do	15	n.a.
Total					

*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 1977	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 1977 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	3,015,500	n.a.	do.	n.a.	n.a.
5 cents	5,160,000	n.a.	do.	n.a.	n.a.
2½ cents		1.40	do.	16.30	.99
1 cent	30,000,000	4.00	95% copper, 4.5% zinc, 0.5% tin.	22.40	n.a.
½ cent	5,000,000	3.00	do.	20.20	n.a.
Total	43,175,500				

¹ The 1977 coinage was made by the South African Mint.

*Unofficial sources report 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 1977	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 1977 ¹	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	9,000,000	9.50	92% copper, 6% aluminum, 2% nickel	28.50	n.a.
20 francs	22,000,000	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	7,002,000	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	15,000,000	1.10	Aluminum with 2.8%-4% magnesium.	21.00	1.45
½ franc		.70	Aluminum alloy.....	16.00	1.63
Total	53,002,000				

¹ 1977 coinage, made by the French Government Mint, Paris, was dated 1977.

*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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1000 lire	180,000	14.60	"Argento" (835 silver, 165 copper).	34.40	2.04
500 lire	180,000	11.00	do.....	29.00	2.10
100 lire ²	1,131,600	8.00	"Acmonital" (Steel containing 18% chrome).	27.80	2.00
50 lire	180,000	6.25	do.....	24.80	2.00
20 lire	180,000	3.60	"Bronzital" (92% copper, 6% aluminum, 2% nickel).	21.30	1.50
10 lire	180,000	1.60	"Italma" (96.2% aluminum, 3.5% magnesium, 0.3% manganese).	23.30	1.65
5 lire	180,000	1.00	do.....	20.20	1.50
2 lire	180,000	.80	do.....	18.30	1.45
1 lira	1,180,000	.625	do.....	17.20	1.20
Total	3,571,600				

¹ 1977 coinage, produced by the Italian Government Mint, bore 1977.

In addition, the following 1977-dated numismatic coins composed of 917 parts gold were struck:

Denomination	Number of pieces	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.

² Consists of an equal number of two types of 100 lire coins, designated "A" and "B" by the Italian Mint.

*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 1977	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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 riyal	10,000,000	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		6.30	do	26.00	1.52
25 halala		5.00	do	23.00	1.60
10 halala		4.00	do	21.00	1.60
5 halala		2.50	do	19.50	1.50
1 halala		2.50	95% copper, 4% tin, 1% nickel.	19.00	n.a.
Total	10,000,000				

¹ 1977 coinage, produced by mints in the United Kingdom, was dated 1976-1396.

*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 1977	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1,000 rupees		15.98	916 gold	28.40	n.a.
10 rupees		18.14	925 silver	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.	(¹)	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					

¹ The 12-sided 10-cent coin is 21.1 mm. across flats and 21.9 mm. diagonally.

² 8 scallops with inner diameter 17.02 mm. and outer diameter 18.42 mm.

*Milled edges: 1,000, 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 1977 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	962	28.28	925 silver	38.60	n.a.
50 cents		11.66	75% copper, 25% nickel	30.00	n.a.
20 cents		8.23	do.....	22.92	1.64
10 cents		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	962				

¹ 1977 proof coinage was made by mints in the United Kingdom, dated 1976.

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 1977 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	370,000	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	9,000	18.05	925 silver, 75 copper	33.32	2.34
Do	361,000	16.85	75% copper, 25% nickel	33.32	2.39
50 cents	7,065,000	9.33	do.....	27.76	2.03
20 cents	13,362,000	5.66	do.....	23.60	1.78
10 cents	24,969,000	2.83	do.....	19.41	1.40
5 cents	10,020,000	1.41	do.....	16.26	1.02
Do		1.24	99.5% aluminum	21.23	1.27
1 cent		1.94	97% copper, 2.5% zinc, 0.5% tin.	17.78	1.12
Do	14,004,000	1.74	90% steel, copper clad	17.78	1.12
Total	70,160,000				

¹ 1977 coinage by Chartered Industries of Singapore Ltd. The \$10 and silver \$1 coins were dated 1977. The cupronickel \$1, 20 and 10 cent pieces bore the year 1976, 1977, or 1978. The 50, 5, and 1 cent coins were partially dated 1978 and partially 1977.

² Coin minted in 1969 added to list at request of Board of Commissioners of Currency, Singapore, Jan. 2, 1979.

³ Consists of the following commemorative issues: 210,000 (10,000 proof) commemorating the 10th anniversary of the Association of Southeast Asian Nations, of which Singapore is a member, and 160,000 (10,000 proof) honoring Singapore harbor, the fourth most active in the world.

* Milled edges: \$500, \$250, \$150, \$100, \$10, \$5, \$1, 50, 20, 10, and 5 cent coins. Smooth edges: 1 cent and aluminum 5 cent piece.

SOLOMON ISLANDS

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>
1 dollar ²	1,500,000	13.50	75% copper, 25% nickel	30.00	n.a.
20 cents	3,000,000	11.31	do.....	28.50	n.a.
10 cents	3,600,000	5.66	do.....	23.60	n.a.
5 cents	1,200,000	2.83	do.....	23.60	n.a.
2 cents	2,400,000	5.18	97% copper, 2.5% zinc, 0.5% tin.	21.59	n.a.
1 cent	1,828,000	2.59	do.....	17.53	n.a.
Total	13,528,000				

¹ 1977 coinage, manufactured by mints in the United Kingdom, was dated 1977.

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, with full independence scheduled for July 7, 1978.

SOMALI REPUBLIC

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>
1 shillin	10,020,000	6.20	75% copper, 25% nickel	25.50	n.a.
50 senti	5,040,000	3.80	 do	21.10	n.a.
10 senti ²	20,000,000	1.40	Aluminum	22.50	n.a.
5 senti ²	7,500,000	.90	 do	19.05	n.a.
Total	42,560,000				

¹ 1977 coinage, manufactured by mints in the United Kingdom, was dated 1976.

² 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 1977 ¹	Gross weight	Metallic composition	Diam- eter ²	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
Krugerrand ³	2,836,219	33.93	916½ gold, 83½ copper.....	32.70	2.36
2 rand ⁴	32,000	7.99	do.....	22.20	1.22
1 rand ⁴	47,260	3.99	do.....	19.50	.79
Do ⁵	19,000	15.00	800 silver, 200 copper.....	32.69	1.80
Do ⁵	29,870,562	12.00	Pure nickel.....	31.00	2.22
50 cents ⁵	10,215,245	9.50	do.....	27.84	1.75
20 cents ⁵	30,668,644	6.00	do.....	24.21	1.47
10 cents ⁵	28,870,157	4.00	do.....	20.70	1.35
5 cents ⁵	51,748,119	2.50	do.....	17.35	1.22
2 cents ⁵	45,135,000	4.00	95% copper, 4.5% zinc, 0.5% tin.....	22.45	1.14
1 cent ⁵	72,463,000	3.00	do.....	19.05	1.19
½ cent ⁵	10,039,000	2.00	do.....	16.30	1.12
Total.....	281,944,206				

¹ Made by South African Mint, Pretoria and dated 1977.

² Mean diameters and thicknesses are of fillets from which coin blanks are punched. Law does not prescribe weight, diameter, or thickness.

³ Includes 8,500 proof coins.

⁴ Includes 20,000 proof coins.

⁵ Includes 19,000 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 1977 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.....		12.50	do.....	30.00	2.25
25 pesetas.....	44,990,000	8.50	do.....	26.50	2.08
5 pesetas.....	154,327,000	5.75	do.....	23.00	1.85
2½ pesetas.....		7.00	90% copper, 10% aluminum...	25.00	1.87
1 peseta.....	247,370,000	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.....	446,687,000				

¹ The 1977 coinage, made at the Spanish Government Mint, was dated 1977.

*Lettered edges: 100, 50, and 25 pesetas. Serrated edges: 5, 2½, and 1 peseta; 50 and 10 centimos.



Coinage of the Republic of South Africa



Coinage of the Republic of South Africa

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.....		7.13	do.....	25.40	1.60
50 cents.....		5.51	do.....	21.46	1.93
25 cents.....	3,600,000	3.24	do.....	18.03	1.60
10 cents (8 scallops).....		4.21	79% copper, 20% zinc, 1% nickel.....	(²)	1.27
5 cents (square).....		3.24	do.....	(³)	1.22
2 cents (8 scallops).....	2,500,000	.78	Aluminum with 2.8%–4% nickel.....	(⁴)	n.a.
1 cent.....		.70	do.....	16.00	1.32
Total.....	6,100,000				

¹ 1977 coinage was produced by mints in the United Kingdom. The 25 cent coins were dated 1975, while the 2 cent pieces bore 1977.

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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 pounds ²	1,137	33.44	900 gold, 100 silver.....	38.60	2.49
5 pounds ²	9,267	35.00	925 silver, 75 copper.....	42.00	2.87
2½ pounds ²	9,522	28.28	do.....	38.61	2.75
50 piastres.....		22.45	75% copper, 25% nickel.....	40.00	2.10
25 piastres.....	200,000	15.50	do.....	32.00	2.10
10 piastres.....	160,000	10.00	do.....	27.70	1.89
5 piastres.....	500,000	5.00	do.....	23.60	1.30
2 piastres.....		2.00	do.....	17.50	0.95
Do.....	1,000,000	3.00	do.....	20.00	1.10
10 millimes.....		5.00	95% copper, 4% tin, 1% zinc.....	(³)	1.15
Do.....	3,790,000	5.00	72% copper, 28% zinc.....	(³)	1.15
5 millimes.....		3.24	95% copper, 4% tin, 1% zinc.....	21.20	1.10
Do.....		4.16	do.....	(⁴)	1.15
Do.....	2,868,000	3.24	72% copper, 28% zinc.....	21.20	1.10
2 millimes.....		3.20	95% copper, 4% tin, 1% zinc.....	(³)	1.10
1 millieme.....		1.79	do.....	16.00	1.00
Total.....	8,537,926				

¹ 1977 coinage for general issue was manufactured by the Sudan Mint. 1,868,000 5 millimes were FAO coins. Coins were dated as follows: 100,000 50 piastres, 1977; 1,800,000 10 millimes and 1,000,000 5 millimes, 1975; all others, 1976.

² Gold and silver coinage, produced by mints in the United Kingdom, dated 1976, and believed to be part of the World Wildlife Conservation series.

³ Twelve scallops, measuring 25.5 mm. across scallops, 24.3 mm. inside scallops.

⁴ Twelve scallops, measuring 22.8 mm. across scallops, 21.8 mm. inside scallops.

⁵ 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.

SURINAM

Denomination	Coinage in 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 guilders ²	14,749	6.72	900 gold, 100 copper	22.50	1.30
25 guilders ²	5,503	26.00	925 silver, 75 copper	38.00	2.70
10 guilders ²	5,711	16.00	do.....	33.00	2.20
25 cents	2,000,000	3.50	75% copper, 25% nickel	20.00	1.50
10 cents	2,000,000	2.00	do.....	16.00	1.40
5 cents ³	3,800,000	1.20	97.25% aluminum, 2.5% magnesium, 0.25% chrome.	18.00	1.75
1 cent	10,000,000	.80	do.....	18.00	1.60
Total	17,825,963				

¹ 1977 coinage, manufactured by the Netherlands Government Mint, was dated 1976.

² Commemorates first anniversary of Surinam's independence. All of the 25 guilders were proof; 4,749 of the 100 guilders were also proofs.

³ 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 Surinam also outstanding in 1977

Denomination	Gross weight	Metallic composition	Diameter	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 1977	Gross weight	Metallic composition	Diameter	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.

SWEDEN

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>
50 kronor ²	1,880,569	27.00	925 silver, 75 copper	36.00	3.00
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	4,613,351	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	78,838,583	7.00	Clad coin. Outer layers 75% copper, 25% nickel, bonded to a core 97% copper, 3% nickel.	25.00	1.88
50 ore	11,393,444	4.50	75% copper, 25% nickel	22.00	1.61
25 ore	9,230,932	2.18	do.	17.00	1.36
10 ore	47,656,660	1.44	do.	15.00	1.14
5 ore		8.00	95% copper, 4% tin, 1% zinc.	27.00	1.93
Do	34,588,060	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	188,201,599				

¹ The 1977 coinage was made by the Government Mint of Sweden. All 50 kronor coins bore the year 1976. Other coins were dated as follows:

	1973	1976	1977
5 kronor		2,147,970	2,465,381
1 krona	762,827	3,750,066	74,325,690
50 ore		2,144,846	9,248,598
25 ore	2,277,220	2,361,714	4,591,998
10 ore	4,177,330	3,477,750	40,001,580
5 ore	1,122,400	4,672,360	28,793,300

² Honoring the wedding of King Carl XVI Gustaf and Queen Silvia.

*Reeded edges: 2 kronor and 1 krona. Smooth edges: 50 kronor, 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 1977

Denomination and type of edge	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
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.

SWITZERLAND

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 francs ²	2,861,290	13.2	75% copper, 25% nickel	31	2.55
2 francs	2,010,030	8.8	do.....	27	2.15
1 franc	6,019,030	4.4	do.....	23	1.60
½ franc	19,011,030	2.2	do.....	18	1.35
20 centimes	14,012,030	4.0	do.....	21	1.80
10 centimes	10,007,030	3.0	do.....	19	1.50
5 centimes	14,012,030	2.0	do.....	17	1.30
2 centimes .....	.....	3.0	95% copper, 4% tin, 1% zinc.	20	1.35
1 centime	2,007,030	1.5	do.....	16	1.15
Total	69,939,500				

¹ 1977 coinage made by Swiss Federal Mint, bore the year 1977.

² Includes coins honoring Swiss educator and humanitarian Johann Heinrich Pestalozzi on the 150th anniversary of his death.

*Lettered edge: 5 francs. Reeded edges: 2 francs, 1, and ½ franc. Smooth edges: 20, 10, 5, 2, and 1 centime coins.

Previous issues of Swiss coins outstanding in 1977

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 1977	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.

TANZANIA, UNITED REPUBLIC OF

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>
1,500 shilingi ²		33.44	900 gold	34.00	2.49
50 shilingi ²		35.00	925 silver, 75 copper	42.00	2.87
Do ³	100	31.65	500 silver, 500 copper	42.00	2.87
25 shilingi ²		28.28	925 silver, 75 copper	38.61	2.75
Do ³	100	25.31	500 silver, 500 copper	38.61	2.75
5 shilingi		13.48	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	9,505,020	5.00	 do	25.00	n.a.
5 senti		4.00	97% copper, 2.5% zinc, 0.5% tin	22.48	n.a.
Total	17,005,220				

¹ 1977 coinage by mints in the United Kingdom. The 50 and 25 shilingi were dated 1974. The remaining coins were dated 1977.

² Part of World Wildlife conservation series, calling attention to endangered species of wildlife.

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 1977 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.....	2,937,000	12.00	3-layer composite: outer cladding, 75% copper, 25% nickel, bonded to a pure copper core.	27.00	n.a.
Do.....	3,464,000	9.00	75% copper, 25% nickel.....	27.00	n.a.
1 baht.....	73,851,000	7.00	do.....	25.00	1.51
50 stangs.....	11,044,000	4.50	91% copper, 9% aluminum.....	23.00	1.48
25 stangs.....	16,292,000	2.50	do.....	20.50	1.20
Do.....	13,120,000	2.80	65% copper, 35% zinc.....	20.50	n.a.
10 stangs.....	730,000	1.75	91% copper, 9% aluminum.....	17.50	1.16
5 stangs.....	440,000	1.25	do.....	15.00	1.10
1 stang.....	250,000	1.20	90% tin, 10% copper.....	15.00	.98
Subtotal.....	122,128,000				
Commemorative: ²					
5,000 baht ³	5,000	30.00	900 gold, 30 silver, 70 copper.	30.00	n.a.
2,500 baht ⁴	100	33.43	900 gold, 100 silver.....	34.00	2.49
Do ⁵	5,000	15.00	900 gold, 30 silver, 70 copper.	27.00	n.a.
800 baht.....		20.00	do.....	30.00	1.75
400 baht.....		10.00	do.....	23.00	1.50
150 baht ⁶	350,000	22.00	925 silver, 75 copper.....	35.00	n.a.
100 baht ⁴	100	35.00	925 silver.....	42.00	2.87
Do ⁴	100	31.65	500 silver, 500 copper.....	42.00	2.87
Do ⁷	26,200	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 ⁴	100	28.28	925 silver.....	38.61	2.75
Do ⁴	100	25.31	500 silver, 500 copper.....	38.61	2.75
10 baht.....		5.00	800 silver, 200 copper.....	20.50	1.60
Do ⁸	3,985,000	15.00	Pure nickel.....	32.00	n.a.
5 baht ³	3,903,000	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 ⁹	10,815,000	7.00	do.....	25.00	n.a.
Subtotal.....	19,089,700				
Grand total...	141,217,700				

¹ Coinage was made by the Royal Mint of Thailand, except as noted in footnote 4. Dates on coins are: Cupronickel 5 baht B.E. 2515 (1972); 1 baht, B.E. 2517 (1974); 50, 25, 10, and 5 stangs, B.E. 2500 (1957); 1 stang coins B.E. 2485 (1942); clad 5 baht and copper-zinc 25 stangs B.E. 2520 (1977).

² All commemorative coins were dated B.E. 2520 (1977) except for the 100 baht which bore the date B.E. 2418-2518 (1875-1975).

³ Commemorates the 50th birthday of King Bhumibol Adulyadej.

⁴ 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.

⁵ Commemorates the wedding of Crown Prince Vajiralongkorn and Princess Somsawali.

⁶ Consists of 96,000 coins honoring Princess Sirindhorn's graduation from the Chulalongkorn University, 204,000 coins honoring the royal wedding, and 50,000 FAO coins.

⁷ Commemorates the 100th anniversary of Thailand's Ministry of Finance.

⁸ Consists of 2,095,000 coins honoring the Princess' graduation and 1,890,000 coins commemorating the royal wedding.

⁹ Consists of 8,998,000 coins honoring the Princess' graduation and 1,817,000 FAO coins.

*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.

TOGO, REPUBLIC OF—See West African Monetary Union

TONGA

Denomination	Coinage in 1977	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
Subtotal					
Regular issue:¹					
2 pa'anga	12,000	42.12	75% copper, 25% nickel	45.01	3.30
1 pa'anga		23.98	do.	38.74	2.72
Do	25,000	24.30	do.	(²)	2.72
50 seniti ³	60,000	14.58	do.	31.65	2.64
20 seniti	25,000	11.31	do.	28.54	2.41
10 seniti	25,000	5.66	do.	23.60	1.90
5 seniti	110,000	2.83	do.	19.41	1.45
2 seniti		3.89	97% copper, 2.5% zinc, 0.5% tin.	21.08	1.60
1 seniti		1.75	do.	17.53	1.14
Subtotal	257,000				
Total	257,000				

¹ Coins were produced by the Royal Australian Mint, Canberra, and dated 1978. Believed to be FAO food plan coins.

² Rectangular coin measuring 47mm. by 27mm.

³ 12 sided.

*Milled edges: All commemorative coins, 2 pa'anga, 20, 10, and 5 seniti. Smooth edges: 1 pa'anga, 50 seniti.

TRINIDAD AND TOBAGO

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>
10 dollars ²	1,140	35.12	925 silver	42.00	2.89
Do	150	35.12	75% copper, 25% nickel	42.00	2.89
5 dollars ²	1,080	29.81	925 silver	40.00	2.31
Do	300	29.81	75% copper, 25% nickel	40.00	2.31
1 dollar	2,400	18.37	do.	36.00	n.a.
50 cents	1,503,900	7.07	do.	26.00	1.85
25 cents	7,206,900	3.53	do.	20.00	1.63
10 cents	11,295,900	1.41	do.	16.26	1.02
5 cents	12,030,900	3.24	97% copper, 2.5% zinc, 0.5% tin.	21.21	1.35
1 cent	15,650,900	1.94	do.	17.78	1.14
Total	47,693,570				

¹ 1977 coinage was made for Trinidad and Tobago by the United Kingdom and The Franklin Mint and was dated 1977.

Denominations from \$10 through \$1 produced by Franklin Mint; production of other denominations was allocated as shown below:

	<i>Royal Mint</i>	<i>Franklin Mint</i>
50 cents	1,500,000	3,900
25 cents	7,200,000	6,900
10 cents	11,280,000	15,900
5 cents	12,000,000	30,900
1 cent	15,500,000	150,900

² Proof coins.

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

n.a. Not available.



Coinage of Trinidad and Tobago

TUNISIA

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>
10 dinars	2,000	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 ²	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	2,000				

¹ 1977 coinage, manufactured by mints in the United Kingdom, was dated 1957-1977.² 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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
50 lira ²	25,002	9.00	830 silver	30.00	n.a.
5 lira ³	1,642,204	11.00	Stainless steel (17% chrome)... ..	32.50	1.73
2½ lira		12.00	do.	30.00	2.70
Do ³	21,498,204	9.00	do.	30.00	1.64
1 lira	30,244,002	7.00	do.	27.00	1.57
50 kuruş	5,062,002	6.00	do.	25.40	1.55
25 kuruş	10,204,476	4.00	do.	22.50	1.75
10 kuruş		2.50	97% copper, 2.5% zinc, 0.5% tin.	21.00	1.50
Do	106,002	1.35	Pure aluminum	21.00	1.50
5 kuruş		1.35	97% copper, 2.5% zinc, 0.5% tin.	17.00	1.30
Do	190,002	.90	Pure aluminum	17.00	1.50
1 kuruş		1.00	97% copper, 2.5% zinc, 0.5% tin.	14.00	.85
Do	108,002	.40	Pure aluminum	14.00	1.00
Total	69,079,896				

¹ The 1977 coinage, made by the Turkish Government Mint, bears the date 1977.² FAO coins.³ Includes 25,000 FAO coins.

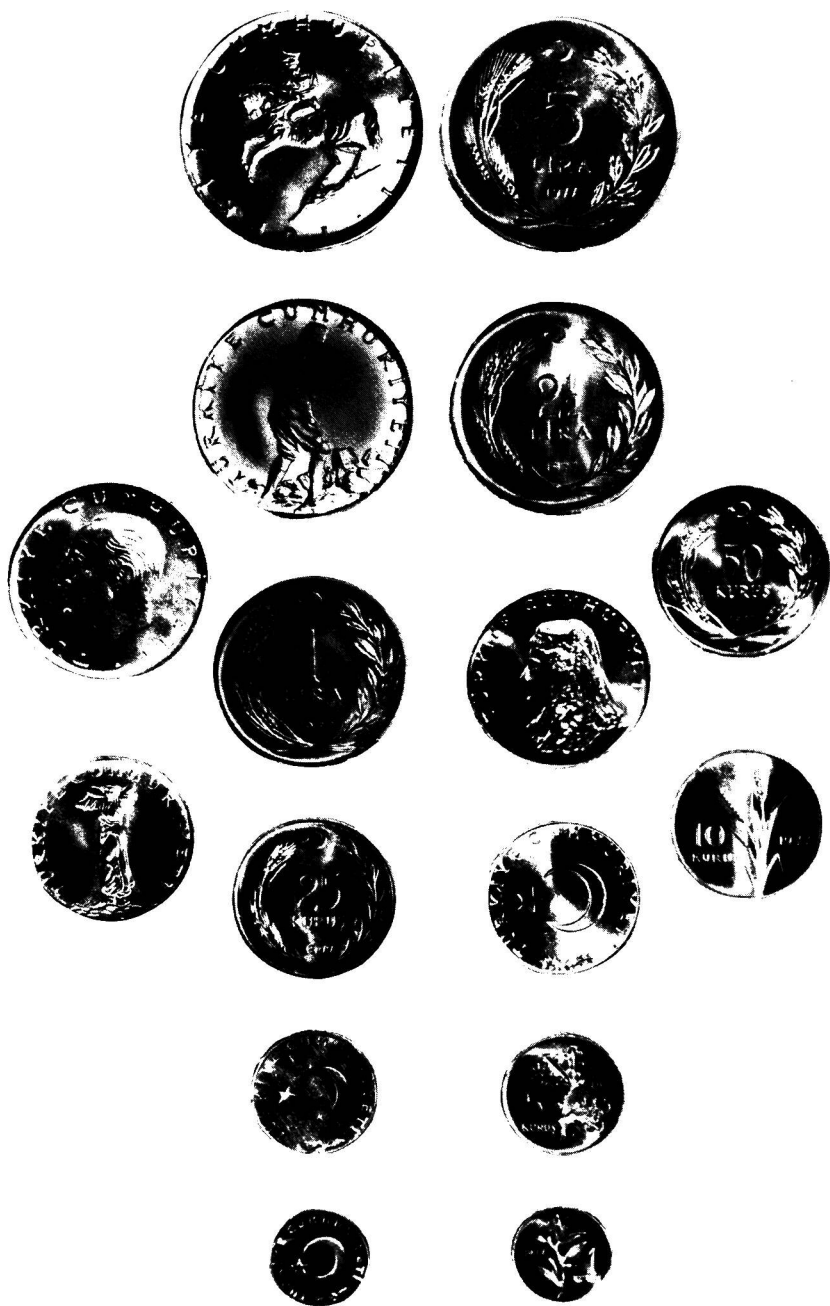
n.a. Not available.

*Incuse lettered edges: 5, 2½ liras, 1 lira, 25, and 50 kuruş. Smooth edges: 10, 5, and 1 kuruş. Reeded edge: 50 lira.

Previous issues of Turkish coins also outstanding in 1977

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 1977 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	3,459	18.01	do.....	33.00	1.98
50 crowns ³	2,903	9.00	do.....	25.00	1.70
Do.....		6.22	do.....	21.50	1.70
Do ²	2,408	55.08	925 silver.....	50.00	3.05
25 crowns ⁴	2,185	4.50	500 gold.....	19.00	1.52
Do ³	12,842	43.74	925 silver.....	47.00	2.86
20 crowns ²	15,595	38.88	do.....	45.00	2.79
10 crowns ⁴	2,220	29.81	do.....	40.00	2.82
5 crowns ⁴	2,220	24.30	500 silver.....	38.00	2.74
1 crown ⁴	2,270	19.44	75% copper, 25% nickel.....	36.00	2.08
Total.....	46,102				

¹ 1977 coinage was produced by the Royal Canadian Mint.² Coins dated 1976 honoring Queen Victoria with four portraits of Her Majesty on the reverse.³ Coins, commemorating the silver Jubilee of Queen Elizabeth II, were dated 1977.⁴ This issue of proof coins was dated 1976.

* Security edges: All denominations.

TUVALU

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>
50 dollars ²	74	15.98	916.6 gold.....	28.40	n.a.
5 dollars ²	2,401	28.28	925 silver.....	38.61	n.a.
1 dollar (9 sided).....	1	16.00	75% copper, 25% nickel.....	33.00	n.a.
50 cents.....	1	15.55	do.....	31.64	n.a.
20 cents.....	1	11.31	do.....	28.50	n.a.
10 cents.....	1	5.65	do.....	23.60	n.a.
5 cents.....	1	2.83	do.....	19.41	n.a.
2 cents.....	1	5.18	97% copper, 2.5% zinc, 0.5% tin.....	21.59	n.a.
1 cent.....	1	2.59	do.....	17.53	n.a.
Total.....	2,482				

¹ 1977 coinage, manufactured by mints in the United Kingdom, was dated 1976.² The gold and silver coins commemorate the new colony, formerly known as the Ellice Islands.

* 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.

UGANDA

Denomination	Coinage in 1977	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 1977 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 ²	12,500	39.94	916.6 gold, 83.4 copper	36.02	n.a.
500 dirhams ²	13,450	19.97	do.....	28.40	n.a.
1 dirham	4,500,000	11.31	75% copper, 25% nickel	28.50	n.a.
50 fils	1,600,000	6.50	do.....	25.00	n.a.
25 fils	2,400,000	3.50	do.....	20.00	n.a.
10 fils		7.50	97% copper, 2.5% zinc, 0.5% tin.	27.00	n.a.
5 fils ³	3,200,000	3.75	do.....	22.00	n.a.
1 fil ³		1.50	do.....	15.00	n.a.
Total.....	11,725,950				

¹ 1977 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.

² Proof coins commemorating the 5th anniversary of the United Arab Emirates, dated 1971-1976.

³ For issue in connection with the FAO coin plan.

n.a. Not available.

*Reeded edges: 1,000 and 500 dirhams.

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 1977 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 new pence ²	28,948,918	13.50	75% copper, 25% nickel.....	30.00	2.29
25 new pence ³	393,000	28.28	925 silver.....	38.61	2.00
Do.....	37,281,319	28.28	75% copper, 25% nickel.....	38.61	2.00
10 new pence.....	70,862,418	11.31	do.....	28.50	2.31
5 new pence.....	51,402,418	5.65	do.....	23.60	1.73
2 new pence.....	127,393,418	7.12	97% copper, 2.5% zinc, 0.5% tin.....	25.91	1.80
1 new penny.....	274,462,418	3.56	do.....	20.32	1.52
½ new penny.....	236,474,418	1.78	do.....	17.15	1.12
Subtotal ⁴	827,218,327				
Pound-shilling-pence coins:					
Sovereign (1 pound) .	4,997,000	7.99	916⅓ gold, 83⅓ copper.....	22.05	1.63
Subtotal.....	4,997,000				
Maundy money: ⁵					
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.....	832,220,143				

¹ 1977 coinage was made by mints in the United Kingdom. Coins for general circulation were dated as follows: 6,650,000 50-pence were dated 1977, the balance 1976; the cupronickel 25-pence were dated 1977; 10 pence bore 1976; all 5 pence and 39,239,000 2 pence coins were dated 1975; 42,245,000 2 pence, 267,800,000 1 penny, and 55,200,00 ½ penny coins were dated 1977, the balances 1976. The gold sovereigns were dated 1977.

² The coin is 7-sided (an equilateral curve heptagon).

³ Coins commemorate Silver Jubilee of Queen Elizabeth II and bear years 1952-1977.

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. 1977 and 1972 dated 25 pence proof coins were also produced in the quantities indicated below.

<i>Coins</i>	<i>Date</i>
45,309	1972
18,568	1973
24,011	1974
17,481	1975
25,199	1976
171,850	1977

⁵ Minted for special distribution of the Royal Maundy at Westminster Abbey on Maundy Thursday, dated 1977.

* 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 1977 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 ³		14.50	92% copper, 6% aluminum, 2% nickel.	33.00	2.40
1 new peso ⁴	7,360,000	11.00	do.....	29.00	2.40
50 centésimos ⁴	9,800,000	7.00	do.....	25.00	2.00
20 centésimos ⁴	4,700,000	5.00	do.....	21.50	1.90
10 centésimos ⁴	12,700,000	3.00	do.....	18.50	1.50
5 centésimos ⁴	8,500,000	2.00	95% aluminum	22.00	2.30
2 centésimos ⁴	13,800,000	1.50	do.....	20.50	2.00
1 centesimo ⁴	10,000,000	1.00	do.....	18.00	1.70
Subtotal.....	66,860,000				
Old peso series:					
100 pesos ⁵		8.00	70% copper, 20% nickel, 10% zinc.	27.50	1.40
50 pesos		5.25	70% copper, 15% nickel, 15% zinc.	24.50	1.30
20 pesos		3.75	do.....	21.50	1.22
10 pesos		4.00	92% copper, 6% aluminum, 2% nickel.	23.00	1.24
Subtotal.....					
Total	66,860,000				

¹ 1977 coinage was manufactured by the Chilean Government Mint and was dated 1977.

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 will be progressively withdrawn from circulation and replaced by new coins and bills.

³ Commemorates Bruno Mauricio de Zabala, founder of the city of Montevideo.

⁴ 12-sided coins.

⁵ Withdrawn from circulation Dec. 1, 1977.

*Smooth edges: Old 10 pesos, new 1 peso, 50, 20, 10, 5, 2, and 1 centésimos. Reeded edges: Other denominations.

VATICAN CITY

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>
500 Vatican lire.....	160,000	11.00	835 silver, 165 copper.....	29.00	2.10
100 Vatican lire.....	819,200	8.00	"Acmonital" (Steel containing 18% chrome).	27.80	2.00
50 Vatican lire.....	600,000	6.25	do.....	24.80	2.00
20 Vatican lire.....	250,000	3.60	"Bronzital" (91.6% copper, 8% aluminum, 0.4% titanium).	21.30	1.50
10 Vatican lire.....	200,000	1.60	"Italma" (96.2% aluminum, 3.5% magnesium, 0.3% manganese).	23.30	1.65
5 Vatican lire.....	135,000	1.00	do.....	20.20	1.40
2 Vatican lire.....	135,000	.80	do.....	18.30	1.45
1 Vatican lira.....	135,000	.63	do.....	17.20	1.20
Total	2,434,200				

¹ 1977 coinage, made by the Italian Government Mint, was dated 1977.

*Lettered edge: 500 lire. Serrated edges: 100, 50, and 2 lire. Smooth edges: 20, 10, 5, and 1 lira coins.



Coinage of Uruguay

VENEZUELA

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>
1,000 bolivars ²	462	33.44	900 gold, 100 silver	34.00	2.49
500 bolivars		18.00	do.....	30.00	n.a.
50 bolivars ²	5,457	35.00	925 silver, 75 copper	42.00	2.87
25 bolivars ²	5,528	28.28	do.....	38.61	2.75
10 bolivars		30.00	900 silver	39.00	3.15
5 bolivars	13,300,000	15.00	Pure nickel	31.00	2.71
2 bolivars		8.50	do.....	27.00	2.00
1 bolivar	127,300,000	5.00	do.....	23.00	1.70
½ bolivar		3.50	do.....	20.00	1.40
¼ bolivar	120,000,000	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 centimos		2.50	do.....	19.00	1.17
Do	277,700,000	2.00	90% steel, copper clad	18.00	1.20
Total	538,311,447				

¹ The 25 centimos were produced by Vereinigte Deutsche Metallwerke and dated 1977. 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 1977.

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.

*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 1977	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 1977 ¹	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	9,355,000	7.00	Pure nickel	26.0	1.86
50 francs	4,832,000	5.00	75% copper, 25% nickel	22.0	1.86
25 francs	3,288,000	8.00	92% copper, 6% aluminum, 2% nickel	27.2	2.25
10 francs	9,050,000	4.00	do	23.5	1.61
Do		4.00	91% copper, 9% aluminum	23.5	1.61
5 francs	16,840,000	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	14,700,000	1.65	Stainless steel	15.0	1.35
Total	58,065,000				

¹ Made at French Government Mint, Paris. Coins were dated 1977.

* Reeded edges: 500, 100, 50, and 25 francs. Smooth edges: 10, 5, 2, and 1 francs.

WESTERN SAMOA

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>
100 tala ²	3,160	15.55	916.6 gold, 83.4 silver	28.50	1.80
1 tala ³	10,693	31.47	925 silver	38.74	3.05
Do ⁴	51,197	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		3.24	97% copper, 2.5% zinc, 0.5% tin	21.08	1.40
1 sene		1.75	do	17.53	1.14
Total	65,050				

¹ 1977 coinage, manufactured by the Royal Australian Mint, was dated 1977, except for 7,710 cupronickel 1 tala, which bore 1976.

² Consists of 2,500 proof coins commemorating the Silver Jubilee of Queen Elizabeth II, and 660 proof coins honoring the 50th anniversary of Charles Lindbergh's solo trans-Atlantic flight.

³ Consists of 6,171 Silver Jubilee and 4,522 Lindbergh proof coins.

⁴ Consists of 26,701 Silver Jubilee and 16,786 Lindbergh uncirculated coins, as well as 7,710 uncirculated coins commemorating the XXI Olympic Games.

* 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 1977	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
1 rial		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		.60	Aluminum	15.00	n.a.
Total					

*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 1977 ¹	Gross weight	Metallic composition	Diam- eter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
5 dinars	6,000	12.50	925 silver, 75 copper	30.62	n.a.
250 fils	30,000	12.50	75% copper, 25% nickel	30.62	n.a.
50 fils	2,000,000	9.07	do.....	27.74	n.a.
25 fils		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	2,036,000				

¹ 1977 coinage, manufactured by mints in the United Kingdom. The 5 dinars were proof coins dated 1977, the 250 fils were dated 1967-1977, and the 50 fils bore 1976.

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 1977	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 1977

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 1977 ¹	Gross weight	Metallic composition	Diameter	Thickness and edge*
	<i>Pieces</i>	<i>Grams</i>		<i>mm.</i>	<i>mm.</i>
100 zaires ²		33.43	900 gold	34.00	2.49
5 zaires ²	3,228	35.00	925 silver	42.00	2.87
2½ zaires ²	3,200	28.28	do	33.61	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		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	6,428				

¹ 1977 coinage, produced by mints in the United Kingdom was dated 1977, with the exception of 200 pieces of each denomination which bore 1975.² Part of the World Wildlife Conservation series drawing attention to endangered species of wildlife. Includes 200 proof 5 and 2½ zaires.

*Reeded edges: All denominations.

NOTE.—Prior to 1972 this country was known as the Democratic Republic of the Congo. The zaire is divided into 100 likuta (plural, makuta), and each likuta is divided into 100 sengi.

ZAMBIA (formerly Northern Rhodesia)

Denomination	Coinage in 1977	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		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		2.33	do	17.51	1.45
Total					

*Milled edges: 1 kwacha, 20, 10, and 5 ngwee. Smooth edges: 50, 2, and 1 ngwee.

n.a. Not available.

WORLD MONETARY UNITS IN 1977

[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. 1 dinar = 1,000 fils.
Afars and Issas (see Djibouti).....					
Afghanistan	Afghani.....	Af.	Pul.....	.....	
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	
Austria	Schilling.....	S	Groschen	g	
Bahamas.....	Dollar	BS	Cent	B¢	
Bahrain	Dinar	BD	Fils (fils).....	.....	
Bangladesh	Taka	Tk.	Poisha.....	.....	
Barbados	Dollar	BDS\$	Cent	¢	
Belgium	Franc	F or BF	Centime.....	c	
Belize.....	Dollar	\$	Cent	¢	
Bermuda.....	Dollar	BD\$	Cent	¢	

Bhutan	Ngultrum		Chetrum		Indian money is also in circulation.
Bolivia	Peso Boliviano	\$b	Cents		
Botswana	Pula	P	Thebe	t	
					New monetary units issued Aug. 23, 1976; South African money used previously.
Brazil	Cruzeiro	Cr.\$	Centavo		
Brunei	Dollar		Sen (sen)		
Bulgaria	Lev		Stotinki		100 stotinki=1 lev.
Burma	Kyat	K	Pya	P	
Burundi	Franc Burundi	F. Bu			
Cambodia (Kampuchea)	Riel	₭	Sen (sen)		
Canada	Dollar	\$	Cent	¢	
Cape Verde, Republic of	Escudo	Esc. or \$	Centavo		Symbol (\$) is placed between escudos and centavos, example: 1\$00.
Caribbean Territories, Eastern Group: Grenada, Montserrat, and five Asso- ciated States.	East Caribbean Dollar.	E.C.\$	Cent	¢	
Cayman Islands	Dollar	\$	Cent	¢	
Chile	Peso	\$	Centavo	¢	Peso system introduced Sept. 29, 1975. 1 peso = 1,000 escudos. 1 Yuan=10 jiao=100 fen.
China, People's Republic of	Yuan		Jiao, Fen		
China, Republic of (Taiwan)	New Taiwan Dollar	NT \$	Cent	¢	
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	1 c£=1,000 mils.
Czechoslovakia	Crown	Kcs	Heller	h	

WORLD MONETARY UNITS IN 1977—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, millieme.....	P.T. & Mill.	1 pound = 100 piastres = 1,000 milliemes.
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.....	Dalasi		Butut.....		
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 (Kρόnur)	kr. or Kr.	Eyrir (aurar)	aur. or au.	
India	Rupee	Re. (Rs.)	Paisa (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	£	Pence	P.	
Isle of Man	Crown .....	.....	New Pence	P.	
Israel	Lira (Pound)	l£	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 1977—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.	
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		Khoum		5 khoums=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		Metica—Centimo system of currency introduced in 1975, year of Independence, but conversion to new system indefinitely delayed.
Nepal	Rupee	Re.	Paisa	P.	
Netherlands	Guilder	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.....	NH fr.			
New Zealand	Dollar	\$	Cent	c.	
Nicaragua	Cordoba	C\$	Centavo.....	¢	
Nigeria	Naira	N	Kobo.....	K.	
Norway	Krone (Kroner).....	Kr.	Ore (oere).....	o	
Oman.....	Omani rial	ORl	Baiza.....		1 rial=1,000 baizas.
Pakistan	Rupee	Rs.	Paiza (paiza).....	Ps.	
Panama, Republic of	Balboa	B/.	Centesimo	¢	U.S. money also circulates in Panama. New currency issued in March 1975 to replace Australian dollars as legal tender in Papua.
Papua New Guinea	Kina		Toea		
Paraguay	Guarani (Guaranies).....	G	Centimo	ctmo.	
Peru	Sol (Soles)	S/.	Centavo.....	ct.	
Philippines	Piso.....	P	Sentimo.....	s.	Since 1967 fractional coins have been in- scribed in Tagalog national Philippine language.
Poland.....	Zloty	Zl.	Grosz.....	Gr.	
Portugal	Escudo	Esc. or \$	Centavo.....		Symbol (\$) is placed between escudos and centavos. (Example: 1\$00.)
Portuguese Timor	Escudo	Esc. or \$	Centavo.....		Do.

WORLD MONETARY UNITS IN 1977—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	L.	n.a.	.....	
Sao Tome and Principe	Escudos	Esc.	Centavo .....	.....	
Saudi Arabia	Riyal	SR	Girsh .....	.....	1 riyal = 20 girsh = 100 halalas.
Seychelles	Rupee	Rs.	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 millimes.
Surinam	Guilder	Sf	Cent	ct (cts)	
Swaziland	Lilangeni and Luhlanga.	.....	Cent .....	.....	Coins of South Africa circulate.
Sweden	Krona (Kronor)	Kr. or kr.	Ore (ore) .....	.....	
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 United Kingdom adopted the decimal system of currency on Feb. 15, 1971. The pound, retained as the monetary unit, 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	The decimal system of money was adopted Jan. 16, 1968, replacing the £/s/d system.

n.a. Not available.

**Silver coins withdrawn from circulation in specified countries,
calendar year 1977**

Country	Nominal value in monetary unit of issuing country	Silver content ¹
		<i>Fine ounces</i>
Australia.....	68,560 Australian dollars.....	n.a.
Canada.....	204,304 Canadian dollars.....	30,179
Finland.....	127,630 Finnish markkaa.....	5,845
Germany, Federal Republic of.....	39,954,370 Deutsche Mark.....	1,798,024
Honduras.....	1,731 Honduran lempira.....	626
India.....	4,740 Indian rupees.....	172
Japan.....	41,997,800 Japanese yen.....	38,887
Morocco.....	305 Moroccan dirhams.....	17
Netherlands.....	440 Netherlands guilders.....	25
Philippines.....	1 Philippine piso.....	1
Switzerland.....	1,272,000 Swiss francs.....	119,183
Total ounces.....		1,992,959

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 1977**

Country	Gold (fine troy ounces)	Silver (fine troy ounces)	Source and reference notes
United States.....	4,859,000	153,600,000	Gold: U.S. Government estimate by Dept. of the Interior, Bureau of Mines. Silver: Handy and Harman.
Argentina.....	11,667	3,208,334	Banco Central de la Republica Argentina.
Australia.....	n.a.	4,134,545	Official Government source.
Austria.....	98,317	168,566	Hauptpunzierungs-und Probieramt (Minting and Assay Office).
Belgium.....	312,000	40,200	Private source and Royal Mint of Belgium.
Bolivia.....	386	n.a.	Banco Minero de Bolivia.
Canada.....	n.a.	n.a.	Statistics Canada.
Chile.....	n.a.		Central Bank of Chile.
Colombia.....	30,789	103,749	Mint House and Bank of the Republic.
Ecuador.....	6,109	n.a.	Banco Central del Ecuador.
Egypt.....	1,895,250	1,050,000	Mint House.
El Salvador.....	8,862	225	Cooperativa de Joyeros y Relojeros de San Salvador and Banco Central de Reserva.
Finland.....	n.a.	n.a.	Bank of Finland.
France.....	n.a.	n.a.	Ministère de l'Industrie du Commerce et de l'Artisanat.

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
1977—Continued**

Country	Gold (fine troy ounces)	Silver (fine troy ounces)	Source and reference notes
Germany, Federal Republic of.	3,283,393	59,591,718	Bundesamt für Gewerblich Wirtschaft, Frankfort am Main (Federal Office for Industry and Crafts).
Ghana	n.a.	.....	External Trade Statistics.
Guatemala	1,797	47	Records of Banco de Guatemala.
Guyana	n.a.	n.a.	Statistical Bureau, Ministry of Economic Development.
Haiti	8,000	n.a.	National Bank of Haiti.
Honduras	85	.....	Central Bank of Honduras
Indonesia	9,166	118,679	P.T. Aneka Tambang.
Italy	2,294	455,602	Italian Government Mint.
Japan	n.a.	63,221,929	Ministry of International Trade and Industry.
Korea	123,728	2,577,196	Ministry of Commerce and Industry.
Libya	130,500	n.a.	Commercial Gold Section, Central Bank of Libya.
Malaysia	25,373	n.a.	Bank Negara Malaysia.
Mexico	425,687	5,528,781	Central Bank of Mexico.
Morocco	162,082	.....	Office des Changes.
Netherlands	207,400	1,986,900	Director of Domestic Financial Affairs, Ministry of Finance.
New Zealand	7,990	123,035	Department of Statistics; Mines Department.
Nicaragua	2,548	.....	International Department, Banco Central de Nicaragua.
Norway	38,581	3,858,087	Norwegian Mint.
Pakistan	51	411	Pakistan Mint.
Peru	7,030	68,462	Banco Minero del Peru.
Philippines	559,423	1,620,396	Bureau of Mines.
Portugal	n.a.	n.a.	Casa de Moeda, Lisbon.
Saudi Arabia .....	.....	n.a.	Foreign Trade Statistics Yearbook.
South Africa, Republic of..	476	4,542	South African Mint.
Spain	1,220,000	n.a.	Ministry of Commerce and Tourism, Directorate General for Domestic Commerce.
Surinam	8,783	n.a.	Centrale Bank van Suriname and Comptroller of Customs. Includes sales by the Centrale Bank and new production.
Sweden	115,453	n.a.	Central Bank of Sweden.
Tunisia	22,780	n.a.	Foreign Bank Services, Tunisian Central Bank.
Turkey	n.a.	.....	Turkish Government Mint.
United Kingdom	1,701,544	32,200,000	Gold estimate compiled from submissions by members of the London gold market. Silver estimate: 1977 ANNUAL BULLION REVIEW, Samuel Montague and Co., Ltd.
Zaire	88,093	2,702,976	Department des Mines.
Total	15,374,552	336,364,380	

n.a. Not available.

World production of gold by countries,¹ 1975-77

[Troy ounces]

Country ²	1975 ¹	1976	1977 ¹
North America:			
Canada.....	1,653,611	1,691,806	1,717,008
Costa Rica.....	18,000	9,600	12,249
Dominican Republic.....	195,488	413,788	348,473
El Salvador ³	8,713	3,007	2,156
Honduras.....	2,520	2,280	2,481
Mexico.....	144,710	162,811	212,709
Nicaragua.....	70,281	75,855	65,764
United States.....	1,052,252	1,048,037	1,100,347
South America:			
Argentina.....	11,867	€ 12,000	€ 12,000
Bolivia.....	€ 53,019	41,519	24,293
Brazil ⁴	172,038	158,246	€ 170,000
Chile ³	130,651	129,143	112,736
Colombia.....	308,864	297,861	257,138
Ecuador.....	8,157	11,615	7,649
French Guiana.....	2,443	2,797	2,800
Guyana.....	18,067	15,651	11,899
Peru.....	78,796	80,730	96,227
Surinam.....	141	39	.....
Venezuela.....	18,326	16,506	17,490
Europe:			
Finland.....	22,216	26,299	27,392
France.....	47,004	50,991	€ 50,000
Germany, Federal Republic of.....	2,116	2,456	€ 2,380
Hungary.....	300	290	300
Portugal.....	11,446	10,036	8,694
Romania ^c	60,000	60,000	65,000
Spain.....	124,584	€ 270,000	€ 270,000
Sweden.....	63,176	62,179	€ 60,000
U.S.S.R. ^c	7,500,000	7,700,000	7,850,000
Yugoslavia.....	177,922	157,088	€ 160,000
Africa:			
Angola ^c	1,000	1,000	1,000
Burundi.....	368	426	€ 450
Cameroon ³	96	251	182
Central African Empire ^c	529	400	100
Congo, Republic of the.....	528	482	€ 400
Ethiopia.....	19,981	30,000	10,000
Gabon.....	4,207	3,086	2,572
Ghana ³	523,889	532,473	480,884
Kenya.....	€ 98	37	89
Liberia.....	4,500	€ 4,500	€ 4,500
Madagascar, Democratic Republic of.....	158	€ 160	76
Mali ^c	30	3,500	3,500
Mauritania.....	€ 42,000	22,120	€ 20,000
Nigeria.....	8	€ 10	€ 10
Rhodesia, Southern ^c	€ 600,000	600,000	600,000
Rwanda ³	425	936	€ 1,000
South Africa, Republic of.....	22,937,820	22,935,988	22,501,857
Sudan.....	€ 300	€ 300	€ 300
Tanzania ³	48	10	.....
Zaire ³	103,217	102,882	81,661
Zambia ⁶	€ 8,500	10,955	7,845
Asia:			
China, People's Republic of ^c	50,000	50,000	60,000
Democratic Kampuchea ^c	500	1,000	1,000
India ³	90,826	100,696	91,758
Indonesia ⁷	74,954	85,690	64,466
Japan ⁴	143,503	137,669	170,431
Korea, North ^c	160,000	160,000	180,000
Korea, Republic of ⁸	13,343	18,744	21,380
Malaysia:			
Peninsular Malaysia.....	2,484	3,574	4,306
Sarawak.....	1,192	965	608
Philippines ³	€ 502,577	501,210	559,937
Taiwan.....	22,110	26,952	14,995

Footnotes at end of table.

World production of gold by countries,¹ 1975-77—Continued

[Troy ounces]

Country ²	1975 ^r	1976	1977 ^e
Oceania:			
Australia	526,821	502,741	620,605
British Solomon Islands	804	^e 600	372
Fiji	68,744	65,757	49,067
New Zealand ³	2,747	3,276	^e 3,500
Papua New Guinea	611,356	668,014	739,730
Total	^r 38,476,371	39,089,034	38,965,766

e Estimate. p Preliminary. r Revised.

¹ Unless otherwise indicated, production is on the basis of mine output.² Gold is also produced in Bulgaria and Czechoslovakia, and probably in small quantities in Burma, East Germany, Guinea, Thailand, and several other countries. However, available data are insufficient to make reliable output estimates. Data are lacking in clandestine activities.³ Figure reported as fine gold (i.e. almost pure).⁴ Excludes unreported production from small placer mines, estimated at 150,000 ounces per year.⁵ Figure reported as refined metal.⁶ Chiefly contained in blister copper and refinery muds.⁷ Excludes production of so-called "peoples" mines.⁸ Refinery production from Japan was as follows: 1975-1,123,489 ounces; 1976-1,043,676 ounces; 1977-1,219,155 ounces.

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

World production of silver by countries,¹ 1975-77

[Thousands of troy ounces]

Country ²	1975 ^r	1976	1977 ^p
North and Central America:			
Canada	39,695	41,199	42,758
Costa Rica ^e	3	2	1
Dominican Republic	109	907	1,357
El Salvador	176	166	112
Haiti ^e	(³)	(³)	.....
Honduras	3,802	2,964	3,210
Mexico	38,029	42,640	47,029
Nicaragua	324	204	153
United States	34,938	34,328	38,166
South America:			
Argentina	2,283	1,750	^e 1,800
Bolivia	⁴ 5,470	5,091	5,887
Brazil	235	^e ⁵ 240	^e 240
Chile	6,263	7,287	^e 7,650
Colombia ⁶	88	106	100
Ecuador	37	52	43
Peru	37,527	35,579	30,100
Europe:			
Bulgaria ^e	800	900	800
Czechoslovakia ^e	^r 1,190	1,190	1,190
Finland ⁵	744	773	813
France	1,502	2,806	^e 3,100
Germany, Democratic Republic of ^e	^r 1,800	1,600	1,600
Germany, Federal Republic of	1,079	1,026	^e 970
Greece ⁶	480	477	374
Greenland ^e	380	375	517
Hungary	^r 32	32	39
Ireland	1,384	925	936
Italy ⁶	1,157	1,556	1,207
Poland ^e ⁷	13,200	16,100	17,700
Portugal	25	27	25
Romania ^e	1,500	1,300	1,250
Spain	3,447	3,107	^e 3,540
Sweden	4,515	4,617	^e 4,820
U.S.S.R. ^e ⁸	43,000	44,000	45,000
Yugoslavia ⁶	5,412	4,631	4,694

Footnotes at end of table.

World production of silver by countries,¹ 1975-77—Continued

[Thousands of troy ounces]

Country ²	1975 ^r	1976	1977 ^p
Africa:			
Algeria ^e	120	150	200
Kenya	^r 20	^e 19	19
Mauritania	^e 26	32	^e 26
Morocco	^r 3,041	2,054	2,244
Rhodesia, Southern	^r 169	117	114
South Africa, Republic of	3,084	2,821	3,130
South West Africa, Territory of ^e	^r 1,400	1,100	1,300
Tanzania	(^g)	(^g)	^e (^g)
Tunisia	292	252	236
Zaire	2,291	2,472	2,730
Zambia ¹⁰	^e 1,000	1,065	^e 1,000
Asia:			
Burma	^r 749	705	791
China, People's Republic of ^e	^r 965	965	965
India	83	102	425
Indonesia	1,033	1,086	790
Japan	8,733	9,299	9,646
Korea, North ^e	1,600	1,600	1,600
Korea, Republic of	1,494	1,838	2,040
Philippines	1,620	1,481	1,622
Taiwan	6	100	68
Oceania:			
Australia	^r 23,348	25,073	27,424
Fiji	26	20	15
New Zealand	^e 2	1	3
Papua New Guinea	1,384	1,841	^e 1,906
Total	^r 303,112	312,150	325,475

^e Estimate. ^p Preliminary. ^r Revised.¹ Recoverable content of ores and concentrates produced unless otherwise noted.² In addition to the countries listed Ghana, Thailand, and Turkey produce silver, but information is inadequate to make reliable estimates of output levels.³ Revised to zero.⁴ Includes production by the State mining company (COMIBOL) plus the exports of medium and small (private sector) mines.⁵ Estimate includes 20,000 ounces of silver recovered from gold ores plus an estimated 220,000 ounces of silver recovered as a byproduct from lead.⁶ Smelter and/or refinery production.⁷ Series revised. Revised figures for 3 prior years: 1972-7,700,000; 1973-8,700,000; 1974-11,300,000.⁸ Estimate based on declining output of copper ore.⁹ Less than 1/2 unit.¹⁰ Refined silver and silver contained in blister copper and refinery muds.

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 1977**

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	277,544	\$11,719,000
Afghanistan.....	949	40,051
Argentina.....	4,184	176,661
Australia.....	7,649	329,929
Austria.....	20,995	886,413
Bahamas.....	10	435
Belgium.....	42,451	1,792,302
Bolivia.....	420	17,732
Brazil.....	16	694
Canada.....	22,007	929,136
China, Republic of (Taiwan).....	2,411	101,794
Colombia.....	1,668	70,426
Costa Rica.....	73	3,095
Denmark.....	1,925	81,256
Ecuador.....	26	1,099
El Salvador.....	501	21,150
Ethiopia.....	286	12,082
Fiji.....	6	242
Finland.....	905	38,196
Germany, Federal Republic of.....	118,295	4,994,430
Greece.....	3,730	157,481
Guatemala.....	507	21,401
Haiti.....	10	410
Iceland.....	30	1,260
India.....	2,773	117,068
Indonesia.....	169	7,123
Iran (Mar. 20, 1978).....	3,783	159,710
Ireland, Republic of.....	447	18,877
Israel.....	1,164	49,160
Japan.....	21,110	891,254
Jordan.....	806	34,046
Kenya.....	21	869
Korea.....	147	6,213
Lebanon.....	9,218	389,205
Libya.....	2,443	103,145
Malaysia.....	1,738	73,370
Mexico.....	1,755	74,086
Morocco.....	632	26,677
Nepal.....	133	5,605
Netherlands.....	54,357	2,294,953
Netherlands Antilles.....	548	23,123
New Zealand.....	22	945
Nicaragua.....	26	1,091
Nigeria.....	571	24,126
Norway.....	1,081	45,659
Pakistan.....	1,586	66,958
Paraguay.....	6	260
Peru.....	1,003	42,346
Philippines.....	1,072	45,286
Portugal.....	24,108	1,017,851
Saudi Arabia.....	3,081	130,094
South Africa, Republic of.....	9,729	410,754
Spain.....	14,400	607,968
Sri Lanka.....	11	465
Surinam.....	148	6,232
Sweden.....	5,929	250,322
Switzerland.....	83,277	3,515,952
Syria.....	644	27,180
Thailand.....	2,397	101,217
Tunisia.....	150	6,331
Turkey.....	3,531	149,087
United Kingdom.....	22,225	938,339
Uruguay.....	3,544	149,608
Venezuela.....	11,260	475,397
West African Monetary Union.....	90	3,813
Zaire.....	260	10,959
International Monetary Fund ³	131,571	5,554,946

¹ The monetary value of gold in the United States was U.S. \$42.22 per fine troy ounce on Dec. 31, 1977. The U.S. dollar was legally defined at 12.63157895 grains of gold nine-tenths fine.

² Consists of gold held by the U.S. Treasury.

³ Approximate.

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.

**World monetary stocks of silver bullion and coin held at the end of the
calendar year 1977**

Country	Monetary unit	Exchange rate December 1977 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	* 39,360	\$185,226	n.a.	\$185,226
Afghanistan.....	Afghani.....	.02222	8,303	39,076	.....	39,076
Austria.....	Schilling.....	.06473	1,149	5,406	\$495,605	501,011
Bahamas.....	Dollar.....	1.00000	.....	.....	6,154	6,154
Belgium.....	Franc.....	.02961	2,713	12,768	41,593	54,361
Bolivia.....	Peso-Boliviano.....	.05000	20	93	5,050	5,143
Brazil.....	Cruzeiro.....	.06231	.....	.....	638	638
Canada.....	Dollar.....	.91132	942	4,432	972,693	977,125
China, Republic of.....	NT Dollar.....	.02632	2,093	9,852	7	9,859
Colombia.....	Peso.....	.02624	253	1,191	41	1,232
El Salvador.....	Colon.....	.40000	.....	.....	2,208	2,208
Ethiopia.....	Birr.....	.47950	n.a.	335	12,091	12,426
Fiji.....	Dollar.....	1.14870	.....	.....	211	211
Finland.....	Markka.....	.24299	2,452	11,539	14,361	25,900
France.....	Franc.....	.20844	.....	.....	514,555	514,555
Germany, Federal Republic of.....	Deutsche Mark.....	.46499	5,428	25,544	919,239	944,783
Ghana.....	Cedi.....	.86960	.....	.....	n.a.	n.a.
Greece.....	Drachma.....	.02816	3,618	17,026	n.a.	17,026
Guatemala.....	Quetzal.....	1.00000	1,121	5,277	3,223	8,500
Haiti.....	Gourde.....	.20000	.....	.....	255	255
Honduras.....	Lempira.....	.50000	.....	.....	2,823	2,823
India.....	Rupee.....	.11712	67,504	317,671	.....	317,671
Ireland.....	Pound.....	1.85460	.....	.....	1,714	1,714
Israel.....	Pound.....	.06499	.....	.....	2,354	2,354
Italy.....	Lira.....	.00114	n.a.	n.a.	n.a.	n.a.
Japan.....	Yen.....	.00415	3,399	15,994	283,416	299,410
Korea.....	Won.....	.00207	27	126	.....	126
Lebanon.....	Pound.....	.33333	.....	.....	1,200	1,200
Luxembourg.....	Franc.....	.03036	.....	.....	455	455
Malaysia.....	Ringgit.....	.42201	.....	.....	n.a.	n.a.
Mexico.....	Peso.....	.04406	5,373	25,286	23,021	48,307
Morocco.....	Dirham.....	.23111	.....	.....	8,283	8,283
Nepal.....	Rupee.....	.08000	4,537	21,352	.....	21,352
Netherlands.....	Guilder.....	.42955	180	845	45,557	46,402
Netherlands Antilles.....	Guilder.....	.55555	.....	.....	3,630	3,630
Norway.....	Krone.....	.19056	167	786	9,698	10,484
Pakistan.....	Rupee.....	.10069	40	188	49	237
Panama.....	Balboa.....	1.00000	.....	.....	100	100
Paraguay.....	Guarani.....	.00794	.....	.....	333	333
Peru.....	Sol.....	.00767	.....	.....	129	129
Philippines.....	Piso.....	.13552	117	551	12,764	13,315
Portugal.....	Escudo.....	.02476	n.a.	n.a.	13,566	13,566

Footnotes at end of table.

**World monetary stocks of silver bullion and coin held at the end of the
calendar year 1977—Continued**

Country	Monetary unit	Exchange rate December 1977 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.....	.28531	.....	.....	n.a.	n.a.
Singapore.....	Dollar.....	.42762	.....	.....	4,811	4,811
South Africa.....	Rand.....	1.15040	1,428	6,719	18,550	25,269
Sri Lanka.....	SL Rupee.....	.06427	3	13	78	91
Sweden.....	Krona.....	.21044	3,112	14,644	134,048	148,692
Switzerland.....	Franc.....	.48168	5,915	27,837	.....	27,837
Thailand.....	Baht.....	.04902	287	1,352	6,631	7,983
Trinidad and Tobago	T & T Dollar...	.41667	.....	.....	4,109	4,109
Turkey.....	Lira.....	.05143	.....	.....	1,585	1,585
United Kingdom.....	Pound.....	1.85460	.....	.....	11,128	11,128
Venezuela.....	Bolivar.....	.23296	.....	.....	67,393	67,393
Total.....	.....	.....	159,541	751,129	3,645,349	4,396,478

¹ U.S. dollars per unit of foreign currency. For the following 21 countries, the average December 1977 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 1977. The December 1977 average is U.S. \$4.70595 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 1977 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, 1977

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>
Africa, West:								
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
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
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.
25 poisha.....	Berlin, Germany.....	5,000,000	.....	1974	Stainless steel.....	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	(²)
Do.....	do.....	4,000,000	.....	1976	do.....	1.80	24.00	(²)
Do.....	do.....	4,000,000	.....	1977	do.....	1.80	24.00	(²)
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)
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	1.55	
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)	
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)	
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)	
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	1.80	
Do.	do.	2,000,000	1971	do.	8.00	28.00	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	1.300
Barbados:								
4 dollars	do.	30,000	2,000	1971	do.	28.28	39.60	1.300
Dominica:								
4 dollars	do.	13,000	2,000	1971	do.	28.28	36.60	1.300
Grenada:								
4 dollars	do.	13,000	2,000	1971	do.	28.28	36.60	1.300

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1977—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>
Caribbean, East—Continued								
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	(²)
Do.....	do.....	50,000	.....	1977	do.....	25.00	35.00	(²)
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	(²)
Do.....	do.....	1,000,000	.....	1977	do.....	5.50	27.00	(²)
5 piastres.....	do.....	2,000,000	.....	1975	do.....	4.50	25.00	(²)
Do.....	do.....	1,000,000	.....	1977	do.....	4.50	25.00	(²)

10 milliemmes	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	(?)	
5 milliemmes	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	2 1.90	
Do.	do.	1,200,000	1975	70% copper, 18% zinc, 12% nickel.	9.88	29.00	2 1.90	
20 centimes	do.	1,500,000	1972	do.	7.50	26.00	2 1.90	
Do.	do.	4,000,000	1975	do.	7.50	26.00	2 1.90	
10 centimes	do.	12,000,000	1975	do.	4.00	22.10	2 1.40	
5 centimes	do.	16,000,000	1975	do.	2.75	19.90	2 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.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1977—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	1.25
Do.	do.	19,600	5,969	1971	do.	15.00	34.00	1.25
Do.	India Government Mint, Bombay.	63,730	14,952	1973	Silver (500 fine)	22.50	39.00	1.40
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
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
Indonesia:								
10 rupiah	Djakarta	286,360,000	.....	1971	75% copper, 25% nickel	1.80	16.00	1.00
Do.	do.	166,000,000	.....	1974	Brass clad steel	4.00	22.00	1.60
5 rupiah	do.	208,000,000	.....	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)
10 rials	do.	150,000	.....	1969	do.	7.00	28.00	1.33
1 rial	do.	8,605,000	.....	1972	do.	1.75	18.50	1.10
Do.	do.	1,395,000	.....	1973	do.	1.75	18.50	1.10
Do.	do.	2,000,000	.....	1974	do.	1.75	18.50	1.10
Do.	do.	1,000,000	.....	1975	do.	1.75	18.50	1.10

WORLD COINS								
Iraq:								
250 fils.....	Royal Mint, London.....	500,000	1,000	1970	Pure nickel.....	15.00	33.00	*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	*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	*1.70
Do.....	do.....	5,000,000		1972	do.....	4.10	21.10	*1.70
Do.....	do.....	5,500,000		1973	do.....	4.10	21.10	*1.70
Do.....	do.....	3,000,000		1974	do.....	4.10	21.10	*1.70
Do.....	do.....	15,000,000		1975	Aluminum.....	.70	21.10	(2)
Do.....	do.....	16,000,000		1976	do.....	.70	21.10	(2)
Jordan:								
250 fils.....	do.....	60,000		1969	75% copper, 25% nickel.....	17.00	34.00	*2.40
Korea:								
50 won.....	Korean Mint, Pusan.....	6,000,000		1972	70% copper, 18% zinc, 12% nickel.	4.16	21.60	*1.60
Do.....	do.....	40,000,000		1973	do.....	4.16	21.60	*1.60
Do.....	do.....	30,000,000		1974	do.....	4.16	21.60	*1.60
Lebanon:								
1 pound.....	Sheritt Mint, Canada.....	300,000		1968	Pure nickel.....	9.50	28.00	*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	*1.70
10 francs.....	do.....	25,000,000		1970	do.....	3.50	21.00	*1.70
Maldives, Republic of:								
20 rupees.....	Royal Mint, Llantrisant.....	15,000		1977	500 silver.....	28.30	38.70	*2.00
5 rupees.....	do.....	15,000		1977	Cupronickel.....	19.00	35.00	*2.50
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	*1.40
2 tari.....	do.....		27,000	1968	Bronze.....	10.00	33.00	*1.60

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1977—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>
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)
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:								
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	² 1.35
Do.....	do.....	28,875,000	.....	1975	do.....	1.60	22.00	² 1.35
Do.....	do.....	43,755,000	.....	1976	do.....	1.60	22.00	² 1.35
Do.....	do.....	29,045,000	.....	1977	do.....	1.60	22.00	² 1.35
5 paisa.....	do.....	23,395,000	.....	1974	do.....	1.25	21.00	² 1.30
Do.....	do.....	50,030,000	.....	1975	do.....	1.25	21.00	² 1.30
Do.....	do.....	58,255,000	.....	1976	do.....	1.25	21.00	² 1.30
Do.....	do.....	32,840,000	.....	1977	do.....	1.25	21.00	² 1.30
2 paisa.....	do.....	3,600,000	.....	1974	do.....	1.00	19.50	² 1.45
Do.....	do.....	4,020,000	.....	1975	do.....	1.00	19.50	² 1.45
Do.....	do.....	5,750,000	.....	1976	do.....	1.00	19.50	² 1.45
1 paisa.....	do.....	14,230,000	.....	1974	do.....	.75	17.00	² 1.25
Do.....	do.....	43,000,000	.....	1975	do.....	.75	17.00	² 1.25
Do.....	do.....	49,180,000	.....	1976	do.....	.75	17.00	² 1.25
Do.....	do.....	62,780,000	.....	1977	do.....	.75	17.00	² 1.25

Panama:								
5 balboas	United States Assay Office, San Francisco.	70,000	10,000	1972	925 silver, 75 copper	35.12	39.00	' 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	' 1.35
Do.....	do.....	1,000,000		1975	do.....	1.63	15.00	' 1.35
Philippines:								
25 pisos	Franklin Mint, United States	23,826	9,901	1976	500 silver.....	25.00	38.00	(?)
Poland:								
10 zlotych (fish).....	Polish Government Mint, Warsaw.	2,000,000		1971	Cupronickel	9.50	28.00	' 2.00
Do (baby).....	do.....	52,300		1971	do.....	9.50	28.00	' 2.00
Do (globe).....	do.....	51,700		1971	do.....	9.50	28.00	' 2.00
Rwanda:								
200 francs.....	Royal Mint, London.....	30,000		1972	800 silver, 200 copper.....	18.00	32.00	' 2.60
2 francs.....	do.....	5,000,000		1970	Aluminum alloy.....	1.50	23.50	' 2.00
San Marino:								
20 lire.....	Italian Government Mint, Rome.	1,290,697		1975	Aluminum bronze.....	3.60	21.30	(?)
10 lire.....	do.....	1,270,000		1974	96.2% aluminum, 3.5% mag- nesium, 0.3% manganese.	1.60	23.30	' 1.60
5 lire.....	do.....	790,697		1976	do.....	1.02	20.30	(?)
1 lira.....	do.....	1,280,000		1977	do.....	.63	17.20	' 1.20
Sao Tome and Principe:								
20 dobras	German State Mint, Karlsruhe.	500,000	2,500	1977	Cupronickel	8.00	29.00	(?)
10 dobras	do.....	300,000	2,500	1977	do.....	6.50	26.00	(?)
5 dobras	do.....	750,000	2,500	1977	do.....	5.00	23.00	(?)
2 dobras	do.....	1,000,000	2,500	1977	do.....	2.50	18.50	(?)
1 dobras	do.....	1,500,000	2,500	1977	Brass.....	3.00	20.00	(?)
50 centimos.....	do.....	2,000,000	2,500	1977	do.....	1.75	17.00	(?)
Saudi Arabia:								
50 halala	Pakistan Mint, Lahore.....	500,000		1972	75% copper, 25% nickel.....	6.50	26.00	' 1.70
25 halala	do.....	200,000		1973	do.....	5.00	23.00	' 1.60
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	(?)
10 cents.....	do.....	n.a.	n.a.	1977	Brass.....	6.18	21.10	(?)
5 cents.....	do.....	2,200,000		1972	Aluminum alloy.....	.78	17.01	' 1.70
Do.....	do.....	600,000		1975	do.....	.78	17.01	' 1.70
Do.....	do.....	n.a.	n.a.	1977	do.....	.78	18.40	' 1.70
1 cent.....	do.....	2,350,000		1972	do.....	.70	16.60	' .91
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Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1977—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>
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:								
50 piastres	Khartoum Mint	1,000,000	.....	1973	75% copper, 25% nickel	22.45	40.00	¹ 2.10
Do	do	100,000	.....	1977	do	15.50	32.00	(¹)
25 piastres	do	.....	24,035	1968	do	15.50	32.00	¹ 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	² 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	1.50
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
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	1.200
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
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	2.72
50 seniti	do.	40,000	1975	do.	14.58	31.65	2.64
Do.	do.	20,000	1977	do.	14.58	31.65	2.64
20 seniti	do.	75,000	1975	do.	11.30	28.54	2.41
Do.	do.	25,000	1977	do.	11.30	28.54	2.41
10 seniti	do.	75,000	1975	do.	5.66	23.60	1.90
Do.	do.	25,000	1977	do.	5.66	23.60	1.90
5 seniti	do.	100,000	1975	do.	2.83	19.41	1.45
Do.	do.	110,000	1977	do.	2.83	19.41	1.45
2 seniti	do.	400,000	1975	Bronze	3.89	21.08	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	1.75
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)
1/2 dinar	do.	n.a.	1976	do.	8.00	23.50	(²)

Footnotes at end of table.

FAO NATIONAL COIN ISSUES, THROUGH DEC. 31, 1977—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>
Turkey:								
50 lira	Turkish Government Mint, Istanbul.	25,000	.....	1977	900 silver.....	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)
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
10 kuruş.....	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	² 1.50
Do.....	do.....	10,000	.....	1973	do.....	3.50	21.00	² 1.50
Do.....	do.....	605,000	.....	1974	do.....	2.75	21.00	² 1.50
Do.....	do.....	517,000	.....	1975	Aluminum.....	1.30	21.00	² 1.50
Do.....	do.....	17,000	.....	1976	do.....	1.30	21.00	² 1.50
5 kuruş.....	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% magnesium, 0.3% manganese.	1.60	23.30	¹ 1.60

5 lire.....	do.....	100,000	.....	1968	do.....	1.00	20.20	² 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	² 1.20
Vietnam:								
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:								
50 fils.....	Royal Mint, London.....	25,000	.....	1974	Cupronickel.....	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)
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.

n.a. Not available.

r. Revised.

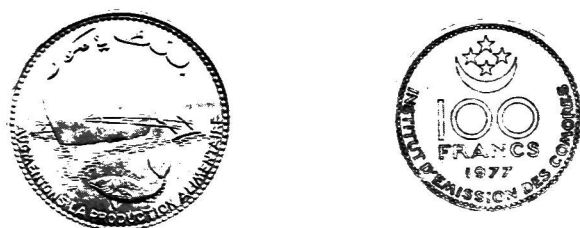
Note.—The Food and Agriculture Organization national coin issues presented in this table represent the first international coin issue in monetary history. The coins draw attention to the important challenges of our time: providing food, training, and work for a rapidly expanding world population.

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.



Cape Verde



Comoros



Ethiopia



Egypt



Fiji



Guinea-Bissau



Iran



Isle of Man



Maldives



Nepal



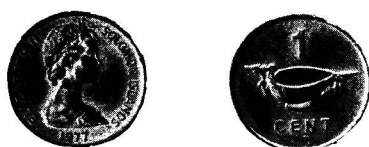
San Marino



San Tome and Principe



Seychelles



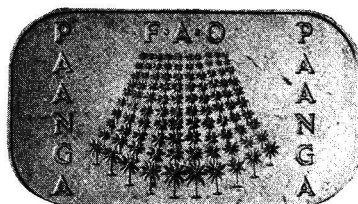
Solomon Islands



Sudan



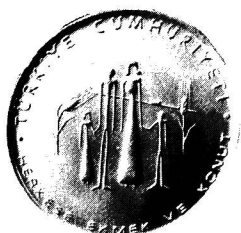
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