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# MONETARY AGGREGATES AND MONEY MARKET CONDITIONS 

Prepared for the Federal Open Market Committee

By the Staff<br>board of governors of the federal reserve system

## MONETARY AGGREGATES AND MONEY MARKET CONDITIONS

## Recent developments

(1) $M_{1}$ increased at about a 1 per cent annual rate in July, but preliminary data for early August suggest a pick-up in growth. For the two months together, $M_{1}$ growth is expected to average around 3 per cent, in the lower part of the Committee's range of tolerance, $1 /$ Growth in $M_{2}$ has been closer to the mid-point of its range of tolerance, as time deposits other than money market $C D$ 's have been rising about as projected. RPD is now expected to expand at a rate in the lower part of its tolerance range, reflecting a shortfall relative to projection of $C D$ growth in addition to the weakness of $\mathrm{M}_{1}$.

> Growth of Monetary Aggregates and RPD's in July-Aug. Target Period


1/ Money supply figures have been revised on the basis of the April call report. Benchmarking to this call lowers the April level of the money stock by $\$ 1.4$ billion, and this benchmark adjustment reduces levels in subsequent months by roughly corresponding amounts. Smaller downward adjustments were made back through January. Comparisons of rates of growth for the old and revised series are shown in Appendix Table VI. Growth of M in the first half of 1974 has been lowered to a 6 per cent annual rate by the revised series, as compared with 7.1 per cent on the old series.
(2) Savings flows to nonbank thrift institutions in July were quite weak. On a seasonally adjusted basis.mutual savings banks experienced a net deposit outflow, while deposit growth at S\&L's was small. Data so far available for August suggest a continuance of the relatively weak performance at non-bank thrift institutions, no doubt reflecting the bunching of security offerings attractive to small investors. These other alternatives have included variable rate securities issued by bark holding companies and other corporations designed to appeal to individuals, and new high coupon Treasury issues offered in the mid-August refunding.
(3) The Federal funds market has eased appreciably since the last FOMC meeting, In the past two weeks, funds have been trading at rates within a 12 to $12 \frac{3}{4}$ per cent range, about 100 basis points below the average established during the week of the July FOMC meeting and about 150 basis points under the peak level reached in the first week of July. There has apparently been some lessening in banks' reluctance to borrow at the Federal Reserve since the late June - early July period of peak money market tensions. Member bank borrowing (exclusive of emergency borrowing) has been about $\$ \mathbf{2 0 0}$ million higher on average in the past four statement weeks as compared with the previous four. From mid-July to mid-August total borrowing averaged $\$ 3.3$ billion, of which $\$ 1.5$ billion represented emergency borrowing (almost all of which was at Franklin National).
(4) Private short-term interest rates have moved down concurrently with the Federal funds rate, though by smaller amounts. Key rates, such as those on 90-day comercial paper and bank CD's are now about $\frac{3}{4}$ to $\frac{1}{2}$ of a percentage point below their levels at the time of the July meeting. Yields
on new corporate and municipal bonds have also edged lower over this period. New issues have been distributed more readily, partly because the sizes of oome issues have been scaled down and the maturities shortened.
(5) In contrast to private rates, yields on Treasury and Federal agency securities have risen significantly during the intermeeting period. Yields on Treasury coupon issues have risen about 20 to 30 basis points and bill rates--which had been depressed relative to the general level of market rates--have advanced about one percentage point. A series of Treasury financing operations which added significantly to the floating supply of issues, together with anticipation of further bill financing, were mainly responsible for the upmard pressure on rates. Market disappointment over the failure of Arab countries to invest their oil revenues in Treasury special issues has also added to the upward pressure.
(6) The three new coupon issues offered in the Treasury's midAugust refunding have been well received. In view of their high coupon rates, the issues were particularly attractive to individual investors. As a result, half of the amount auctioned was awarded to noncompetitive bidders, a record participation for this type of bidding. All three new issues are currently trading at modest premiums above their average auction prices. Dealers have not pressed their awards on the market and still hold nearly three-fourths of the $\$ 1,050$ million they were originally awarded.
(7) The table on page 5 shows (in percentage annual
rates of change) selected monetary and financial flows over various
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recent time periods. Appendix table III compares money supply growth rates computed on a quarterly-average basis with those computed on a last-month-of-quarter basis. Projected figures on the two bases are shown in appendix table IV for the three alternatives presented in the next section.

| -5- |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Average of Past Three Calendar Years | Past Twelve Months | Past Six Months | Past Three Months | Past Month |
| $\begin{gathered} 1971 \\ \hline \\ 1973 \\ \hline \end{gathered}$ | $\begin{aligned} & \text { July }{ }^{\prime} 74 \\ & \text { over } \\ & \text { July } 173 \end{aligned}$ | $\begin{gathered} \text { July } 174 \\ \text { over } \\ \text { Jan. } 73 \\ \hline \end{gathered}$ | $\begin{gathered} \text { July } 174 \\ \text { over } \\ \text { Apr. ' } 74 \\ \hline \end{gathered}$ | July' 74 over June' 74 |
| Total reserves 8.5 | 9.9 | 8.9 | 17.2 | 23.3 |
| Nonborrowed reserves 7.6 | 6.2 | -3.8 | -0.2 | 14.9 |
| Reserves available to support private nonbank deposits 8.8 | 10.3 | 13.8 | 16.7 | 9.3 |
| Concepts of Money (Revised series) |  |  |  |  |
| $\begin{aligned} & M_{1} \text { (currency plus demand } \\ & \text { deposits) } 1 / \end{aligned}$ | 5.1 | 6.9 | 4.8 | 1.7 |
| $M_{2}\left(M_{1}\right.$ plus time deposits <br> at commercial banks |  |  |  |  |
| $M_{3}\left(M_{2}\right.$ plus deposits at Thrift institutions) 11.7 | 7.6 | 7.3 | 5.7 | 4.9 |
| Bank Credit |  |  |  |  |
| Total member banks deposits (bank credit proxy adj.) 10.5 | 11.3 | 14.4 | 13.3 | 9.4 |
| Loans and investments of commercial banks 2/ 12.8 | 11.9 | 13.6 | 10.5 | 13.1 |
| Short-term Market Paper |  |  |  |  |
| (Monthly average change in billions) |  |  |  |  |
| Large CD's $\quad 1.0$ | 1.8 | 3.3 | 3.3 | 2.1 |
| Nonbank commercial paper . 2 | . 6 | -. 2 | . 3 | . 1 |
| 1/ Other than interbank and U.S. Government. <br> 2/ Based on month-end figures. Includes loans sold to affiliates and branches. |  |  |  |  |
| NOTE: All items are based on average of daily figures, except for data on total loans and investments of comnercial banks, commercial paper, and thrift institutions--which are derived from either end-of-month or last Wednesday-of-month figures. Growth rates for reserve measures in this and subsequent tables are adjusted to remove the effect of discontinuities from breaks in the series when reserve requirements are changed. |  |  |  |  |

Prospective developments
(8) Three alternative sets of specifications are summarized below for Comittee consideration (with more detailed figures shown in the table on p.6a).
Alt. A Alt. B Alt. C

Targets (3rd \& 4th qtrs. combined)

| $M_{1}$ | $6 \frac{1}{4}$ | $5 \frac{1}{4}$ | $4 \frac{1}{4}$ |
| :---: | :---: | :---: | :---: |
| $M_{2}$ | $7 \frac{1}{2}$ | $6 \frac{1}{2}$ | $5 \frac{1}{4}$ |
| Credit proxy | $7 \frac{1}{2}$ | $6 \frac{1}{2}$ | 6 |
| As sociated ranges for <br> August-September |  |  |  |
| $M_{1}$ | $5 \frac{3}{2}-7 \frac{1}{2}$ | $4 \frac{3}{4}-6 \frac{3}{4}$ | $4 \frac{3}{4}-6 \frac{3}{4}$ |
| $M_{2}$ | $6 \frac{3}{4}-8 \frac{3}{4}$ | $5 \frac{3}{2}-7 \frac{1}{2}$ | $5-7$ |
| RPD | $8 \frac{3}{4}-10 \frac{3}{4}$ | $7 \frac{3}{4}-9 \frac{3}{4}$ | $6 \frac{3}{4}-8 \frac{3}{4}$ |
| Federal funds rate range <br> (inter-meeting period) | $9 \frac{3}{4}-11 \frac{3}{4}$ | $10 \frac{3}{4}-12 \frac{3}{4}$ | $11 \frac{3}{4}-13 \frac{3}{4}$ |

(9) Alternative $B$ continues the $5 \frac{1}{4}$ per cent annual growth rate for $M_{1}$ over the second half of 1974 adopted by the Committee at its last meeting. Because of the downward revision in the level of the money stock as a result of benchmarking to the April call report, this $5 \frac{1}{4}$ per cent rate of growth would lead to a level of $M_{1}$ by the end of this year that is $\$ 1.4$ billion lower than that implicit in the growth path adopted at the last meeting. Alternative A encompasses a more rapid $6 \frac{3}{4}$ per cent rate of growth for $M_{1}$ over the July-December period, while Alternative $C$ comprises specifications that might
-6a-
Alternative Longer-Run Targets for Key Monetary Aggregates
$1974 \begin{array}{r}\text { June } \\ \text { July } \\ \text { Aug. } \\ \text { Sept } \\ \text { Dec. }\end{array}$
1974 3rd Q.

Months:
Aug.
Sept.

1974
June
July
Aug.
Sept.
Dec.
Quarters:
1974 3rd Q. 4th $Q$.

| $\mathrm{M}_{2}$ |  |  |
| :--- | :--- | :--- |
| $\frac{\text { Alt. A }}{}$ | $\frac{\text { Alt. B }}{}$ | $\frac{\text { Alt. C }}{}$ |
| 596.2 | 596.2 | 596.2 |
| 599.1 | 599.1 | 599.1 |
| 602.5 | 602.4 | 602.3 |
| 606.3 | 605.7 | 605.2 |
| 618.7 | 615.5 | 612.2 |

## Rates of Growth

| 6.8 | 6.4 | 6.0 |
| :--- | :--- | :--- |
| 8.2 | 6.5 | 4.6 |


| 6.8 | 6.6 | 6.4 |
| :--- | :--- | :--- |
| 7.6 | 6.6 | 5.8 |


|  | Total Reserves |  |
| :--- | :--- | :--- |
| Alt. A | Alt. B | Alt. C |
| 36,731 | 36,731 | 36,731 |
| 37,445 | 37,445 | 37,445 |
| 37,188 | 37,173 | 37,158 |
| 37,603 | 37,549 | 37,494 |
| 38,732 | 38,545 | 38,385 |


| 9.5 | 8.9 | 8.3 |
| ---: | ---: | ---: |
| 12.0 | 10.6 | 9.5 |

$$
9.6
$$

| 9.6 | 9.0 | 8.4 |
| :--- | :--- | :--- |
| 6.6 | 5.1 | 4.0 |
|  |  |  |
| 9.7 | 9.2 | 8.6 |
| 9.7 | 8.3 | 7.0 |

be considered if the Comittee wishes to aim for a lower rate of growth than previously desired for the monetary aggregates over the second half of the year. (The three alternatives ate depicted in the chart on the following page).
(10) Under alternative $B$, and given the recent slowing in money growth, the staff expects that the Federal funds rate may decline a little further between now and the next meeting--centering around $11 \frac{1}{2}$ per cent. Such a decline would not in itself be sufficient to lead to more than a quite modest downard adjustment in other market rates. Demand pressures on credit marketa are expected to be fairly well sustained in the weeks ahead, as a sizable volume of corporate, municipal, and Federal agency offerings come to market. The Treasury will probably borrow another $\$ 2$ billion or so of cash in early September, possibly through tax bills, over and above ongoing additions to the weekly bill auctions. While this flow of new securities would work to limit downward rate adjustments, a sizable expectational decline in rates could take place if a further downdrift in the funds rate were accompanied by continued slow growth in the monetary aggregates and adverse business news.
(11) Alternative A contemplates a significant further decline in the funds rate over the next few weeks, which would undoubtedly spur a sharp drop of interest rates generally. Alternative $C$, on the other hand, envisions a return of the Federal funds rate to the 13 per cent area, and this would be accompanied by a re-emergence of market tensions and generally rising interest rates. Dealers in U.S. Government securities would, under the circumstances, attempt to liquidate positions enlarged in the wake of recent Treasury financings.

## MONEY SUPPLY AND LONGER RUN TARGET PATH


(12) Under the Federal funds rates contemplated in any of the alternatives, the unusually low growth rate of $M_{1}$ in July would not be expected to persist in the months ahead, assuming the staff projections of nominal GNP growth are correct. Taking account of the strengthening indicated by fragmentary early-August data, $M_{1}$ would be expected to grow in a $4 \frac{3}{4}-6 \frac{3}{4}$ per cent range in the August-September period under alternative $B$.
(13) Expansion in time deposits other than money market $C D^{\prime}$ s at banks is expected to slow a little further over the months ahead under alternative B. While the Federal funds rate and other short-term rates may decline somewhat, the increased availability of instruments attractive to small savers (such as variable-rate debentures, money market mutual funds, and Treasury and Federal agency issues) is likely to lead to continued substitution of such instruments for Regulation $Q$-constrained time and savings accounts. Growth in savings accounts at nonbank thrift institutions is expected to remain quite weak under alternative $B$, thus continuing substantial constraint on the supply of private mortgage funds. Growth in consumer-type time and savings at both banks and nonbank thrift institutions would be even more constrained under alternative $C$, whereas growth in such savings would begin to recover under alternative $A$.
(14) Business loan growth at banks is likely to be less strong over the next few months than it was during the first seven months of the year, partly in reflection of a projected low rate of inventory accumulation and partly as a result of tight bank lending policies. Growth in money market $C D$ 's also is expected to be at a more moderate pace in the months ahead. In these circumstances, bank credit growth is also expected to slow over the latter half of the year.
(15) Demands for bank credit could b\& enlarged, however, should investors become more selective and should liquidity pressute become more pervasive. Under such circumstances, many borrowers, particularly those of less-than-prime quality, would be forced to fall back on bank lines. While borrowers' ability to float debt in the open market has improved since early July, yield spreads reflecting risk differentials generally remain wider than normal. Thus, markets and investor attitudes continue to be quite sensitive to shocks to confidence that might be generated by such factors as failures, or near-failures, of financial institutions or business firms.

## Proposed directive

(16) Presented below are three alternative formulations for the operational paragraph of the directive, which are intended to correspond to the similarly lettered policy alternatives discussed in the preceding section. In all three alternatives, it is proposed to delete the reference to Treasury financing because the quarterly refunding announced on July 31 has been completed.

## Alternative A

To implement this policy, while taking account of the forthcoming-Treasury-refunding-and-of developments in domestic and international financial markets, the Committee seeks to achieve bank reserve and money market conditions that-would mederate CONSISTENT WITH SOMEWHAT FASTER growth in monetary aggregates ever-the-meaths-ahead THAN HAS PREVAILED OVER RECENT MONTHS .

## Alternative B

To implement this policy, while taking account of the fortheoming-Freasury-refunding-and-of developments in domestic and international financial markets, the Committee seeks to achieve bank reserve and money market conditions that-weuld CONSISTENT WITH moderate growth in monetary aggregates over the months ahead.

## Alternative C

To implement this policy, while taking account of the fortheoming-Treasury-refundiag-and-ef developments in domestic and international financial markets; the Cormittee seeks to achieve bank reserve and money market conditions that-weułd mederate CONSISTENT WITH RELATIVELY SLOW growth in monetary aggregates over the months ahead.
(17) In the event the Committee wishes to couch the operational paragraph of the directive in terms of money market conditions, the specifications of alternative $B$ might be associated with language indicating that "...the Committee seeks to maintain money market conditions in the neighborhood of the restrictive conditions recently prevailing, provided that the monetary aggregates appear to be growing at rates within the specified ranges of tolerance."

## RESERVES AVAILABLE TO SUPPORT PRIVATE NONBANK DEPOSITS



[^1]
## MONETARY AGGREGATES



## MONETARY AGGREGATES


*Break in series, Actual Level of Totai Reserves A䍩er Changes in Reserve Requirements

CHART 4

## MONEY MARKET CONDITIONS AND INTEREST RATES


(ACTUAL AND CURRENT PROJECTIONS)


NOTE: DATA SHOWN IN PARERTHESES ARE CURRENT PROJECTIONS. AT THE FOMC MEETING OF JULY 16.1974 THF COMMITTEE AGREED ON A RPD RANGE OE B.7S TO 11.75 PERCENT FOR THE JULYGAUGUST PERIOD.


TABLE 3
RESERVE EFFEGTS OF
OPEN MARKET OPERATIONS AND OTHER RESERVE FACTORS
(Millions of dollars, not seasonally adjusted)

|  | Open Market Operations 1/ |  |  |  |  | Daily Average Reserve Effect $2 /$ |  |  | $\triangle$ in reserve categories |  | $\triangle$ Target |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} \text { Bills } \\ \text { \& Accept. } \end{gathered}$ | Coupon Issues | Agency <br> Issues | $\begin{gathered} \text { RP's } \\ \text { Net } 3 / \\ \hline \end{gathered}$ | TOTAL | Open Market Operations | $\triangle$ Member Bank Borrowing | Other 4/ <br> Factors | req. res. against U.S.G. and interb. | available res. 5 ) $(6)+(7)+(8)-(9)^{-}$ | $\left\lvert\, \begin{aligned} & \text { available } \\ & \text { reserves } 5 \end{aligned}\right.$ |
|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| Monthly |  |  |  |  |  |  |  |  |  |  |  |
| 1974--Jan, | -397 | 179 | -10 | -100 | -328 | 1,031 | -254 | 698 | 773 | 702 | 895 |
| Feb. | -32 | 30 | 74 | -- | 71 | 1,031 | 143 | -1,505 | -356 | -997 | -875 |
| March | -64 | 190 | 122 | 1,531 | 1,780 | -74 | 166 | -358 | -323 | 57 |  |
| April | 790 | 172 | 312 | -485 | 789 | 922 | 362 | -338 | 173 | 773 |  |
| May | 653 | 207 | 185 | 1,111 | 2,155 | 1,970 | 866 | -2,239 | 207 | 390 | -130 |
| June | -544 | 176 | 237 | -984 | -1,115 | -673 | 420 |  | -400 | 221 |  |
| July <br> Aug. <br> Sept. | 898 | 125 | 726 | -3,760 | $-2,011$ | 1,601 | 309 | -901 | 471 | 538 |  |
| Weekly |  |  |  |  |  |  |  |  |  |  |  |
| 1974--June 5 | 42 | 207 | -- | -6,093 | -5,844 | -23 | -552 | 505 | -201 | 131 |  |
| 12 | -370 | -- | -72 | 4,068 | 3,626 | -1,892 | -325 | 1,727 | -218 | -272 |  |
| 19 | -- | -- |  | -1,007 | -1,007 | 1,829 | 494 | -1,404 | 135 | 784 |  |
| 26 | -306 | -- | -- | 1,740 | 1,434 | 825 | -435 | -562 | -87 | -85 |  |
| July 3 | 292 | 176 | 305 | -170 | 603 | 197 | 647 | -106 | 383 | 355 |  |
| 10 | 58 | -- | 298 | 128 | 484 | 46 | -795 | 343 | -28 | -378 |  |
| 17 | 288 | 125 | 291 | -426 | 278 | 811 | 535 | -390 | 648 | 308 |  |
| 24 | 446 | -- | 145 | -72 | 518r | -469 | 466 | -318 | -260 | -61 |  |
| 31 | 1 | -- | -3 | -3,787 | -3,789 | -195 | 48 | $-129 p$ | -533p | 257p |  |
| Aug. 7 | 66 | -- | -3 | 366 | 430 | -589 | -606 | 889p | -143p | -163p |  |
| $\begin{aligned} & 14 \\ & 21 \end{aligned}$ | -138 | -- | -- | 1,820 | 1,682 | -161 | - 43 | 204p | 4 p | $-4 p$ |  |
| 28 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

[^2]table 4
SECURITY DEALER POSITIONS AND BANK POSITTIONS
Millions of dollars


Note: Government security dealer trading positions are on a conmitment basis. Trading positions, which exclude treasury bills financed by repurchase agree ments maturing in 16 days or thore, are indicators of dealer holdings available for sale over the near-term. other security dealer positions are debt funds puril in syndicate, excluding trading positions. The basic reserve deficit is excess reserves less borrowing al federal Res are Friday figures.

* STRICTLY CONFIDENTLAL
** Monthly averages for excess reserves and borrowings are weighted averages of statement week figures.

TABLE 5
SELECTED INTEREST RATES
Per cent

| period |  | Short-Term |  |  |  |  |  | Long-Term |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Federal Funds | Treasury B111s |  | 90-119 Day Commercial paper | CD's New Issue-NYC |  | Aaa Utility |  | Municipal <br> Bond Buyer | U.S. Government ( $10-\mathrm{yr}$, Constant Maturity) | $\begin{gathered} \text { FNMA } \\ \text { Auction } \\ \text { Yields } \end{gathered}$ |
|  |  |  | 90-Day | 1-Year |  | 60-89 Day | 90-119 Day | Issue | offered |  |  |  |
| $1973-\operatorname{High}_{\text {Low }}$ |  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
|  |  | 10.84 | 8.95 | 8.43 | 10.50 | 10.50 | 10.75 | 8.52 | 8.30 | 5.59 | 7.54 | 9.37 |
|  |  | 5.61 | 5.15 | 5.42 | 5.63 | 5.38 | 5.50 | 7.29 | 7.26 | 4.99 | 6.42 | 7.69 |
| $1974-\text {-- Hzgh } \begin{gathered} \text { Low } \end{gathered}$ |  | 13.55 | 8.84 | 8.52 | 12.25 | 12.25 | 12.00 | 10.30 | 10.31 | 6.95 | 8.05 | 10.12 |
|  |  | 8.81 | 7.04 | 6.39 | 7.88 | 8.00 | 7.88 | 8.05 | 8.14 | 5.16 | 6.93 | 8.43 |
| $\begin{aligned} & 1973-\text { July } \\ & \text { Aug. } \\ & \text { Sept. } \end{aligned}$ |  | 10.40 | 8.01 | 7.97 | 9.26 | 9.09 | 9.19 | 8.01 | 7.97 | 5.40 | 7.13 | 8.46 |
|  |  | 10.50 | 8.67 | 8.32 | 10.26 | 10.25 | 10.40 | 8.36 | 8.22 | 5.48 | 7.40 | 8.83 |
|  |  | 10.78 | 8.29 | 8.07 | 10.31 | 10.31 | 10.50 | 7.88 | 7.99 | 5.10 | 7.09 | 9.32 |
| Oct.Nov.nec. |  | 10.01 | 7.22 | 7.17 | 9.14 | 9.15 | 8.08 | 7.90 | 7.94 | 5.05 | 6.79 | 9.01 |
|  |  | 10.03 | 7.83 | 7.40 | 9.11 | 9.06 | 8.91 | 7.90 | 794 | 5.18 | 6.73 | 8.84 |
|  |  | 9.95 | 7.45 | 7.01 | 9.28 | 9.44 | 9.13 | 8.00 | 8.04 | 5.12 | 6.74 | 8.78 |
|  |  | 9.65 | 7.77 | 7.01 | 8.86 | 9.05 | 8.83 | 8.21 | 8.22 | 5.22 | 6.99 | 8.71 |
|  |  | 8.97 | 7.12 | 6.51 | 8.00 | 8.09 | 7.97 | 8.12 | 8.23 | 5.20 | 6.96 | 8.48 |
|  |  | 9.35 | 7.97 | 7.34 | 8.64 | 8.69 | 8.56 | 8.46 | 8.42 | 5.41 | 7.21 | 8.53 |
| Apl. <br> May <br> June |  | 10.51 | 8.33 | 8.08 | 9.92 | 9.81 | 9.78 | 8.98 | 8.94 | 5.73 | 7.51 | 9.07 |
|  |  | 11.31 | 8.23 | 8.21 | 10.82 | 10.83 | 10.90 | 9.24 | 9.13 | 6.02 | 7.58 | 9.41 |
|  |  | 11.93 | 7.90 | 8.16 | 11.18 | 11.06 | 10.88 | 9.38 | 9.36 | 6.13 | 7.54 | 9.54 |
| July |  | 12.92 | 7.55 | 8.04 | 11.93 | 11.83 | 11.83 | 10.20 | 10.04 | 6.68 | 7.81 | 9.84 |
| 1974 -- June | 5 | 11.45 | 8.03 | 8.21 | 10.70 | 10.63 | 10.50 | 9.23 | 9.14 | 6.01 | 751 | 9.54 |
|  | 12 | 11.60 | 8.11 | 8.06 | 10.85 | 10.75 | 10.50 | 9.28 | 9.18 | 6.04 | 7.49 | -- |
|  | 19 | 11.85 | 8.19 | 8.16 | 11.23 | 11.13 | 11.00 | 9.49 | 9.48 | 6.13 | 7.53 | 9.54 |
|  | 26 | 11.97 | 7.50 | 8.14 | 11.45 | 11.75 | 11.50 | 9.50 | 9.65 | 6.33 | 7.62 | -- |
| July | 3 | 13.55 | 7.45 | 8.36 | 11.95 | 11.75 | 11.75 | -- | 9.79 | 6.64 | 7.68 | 9.65 |
|  | 10 | 13.34 | 7.58 | 8.32 | 12.09 | 12.25 | 12.00 | 10.25 | 10.16 | 6.95 | 7.82 | -- |
|  | 17 | 13.04 | 7.51 | 7.84 | 12.25 | 11.88 | 12.00 | 10.10 | 10.10 | 6.78 | 7.88 | 9.90 |
|  | 24 | 12.60 | 7.63 | 7.75 | 11.90 | 11.50 | 11.63 | -- | 10.09 | 6.34 | 7.77 | -- |
|  | 31. | 12.29 | 7.53 | 8.13 | 11.45 | 11.75 | 11.75 | 10.30 | 10.28 | 6.70 | 7.90 | 9.98 |
| Aug. | 7 | 12.09 | 8.42 | 8.50 | 11.55 | 11.75 | 11.75 | 9.82 | 10.15 | 6.58 | 7.99 | -- |
|  | 14 | 12.02 | 8.84 | 8.52 | 11.68 | 11.75 | 11.88 | 10.10p | 10.00 p | 6.61 | 8.05p | 10.12 |
|  | 21 |  |  |  |  |  |  |  |  |  |  |  |
| Daily - Aug. | 8 | 12.09 | 9.02 | 8.58 | 11.63 | -- | -- | -- | -- | -- | 7.97 | -- |
|  | 15 | 12.23p | 8.76 | 8.49 | 11.75 | -- | -- | -- | -- | -- | п.a. | -- |

NOTES: Weekly data for columns 1 to 4 are statement week averages of daily data. Columns 5 and 6 are one -day Wednesday quotes. For colums 7 , 8 and 10 the weekly date $1 s$ the mid-point of the calendar week over which data are averaged. Column 9 is a one-day quote for Thursday following the end of the statement week. Columi 11 gives FNMA auction data for the Monlay preceding tha end of the statement week. The FNMA auclion yield is the average yield in bi-weekly auction for short-term forward commiments for Government underwritten mortgages.

reserves and monetary variables
(Seasonally adjusted, billions of dollars)

| Period |  | RESERVES |  |  | MONBY STOCK MEASURES |  |  |  |  |  | OTHER |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | Nonborrowed | $\begin{gathered} \hline \text { Avaliabla } \\ \text { to Support } \\ \text { pvt. } \\ \text { Deposite } \end{gathered}$ | $\mathrm{m}_{\text {Total }}$ |  | $\mathrm{M}_{2}$ | $M_{3}$ | $\begin{gathered} \text { Adju } \\ \text { Credit } \\ \text { Proxy } \end{gathered}$ | Total Loans \& Invest ments | Total Time | $\begin{aligned} & \text { Time } \\ & \text { Other } \\ & \text { Than } \\ & \text { CD' } \end{aligned}$ | $\begin{array}{\|c} \text { Thrift } \\ \text { Insti- } \\ \text { tution } \\ \text { Deposite } \end{array}$ | CD's | NonDep. Eunds | $\begin{aligned} & \text { U.s. } \\ & \text { Gov't } \\ & \text { Demand } \end{aligned}$ |
| anNuAlly: |  | (1) | (2) | (3) |  |  | (6) (7)Series |  | (8) | (9) | $\begin{aligned} & \text { (10) (11) } \\ & \text { Revised Series } \end{aligned}$ |  | (12) | (13) | (14) | (15) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dec. 1970 |  | 29,193 | 28,861 | 27,099 | 221.2 | 172.2 | 425.2 | 642.7 | 332.9 | 438.5 | 229.2 | 203.9 | 217.5 | 25.3 | 11.6 | 6.5 |
| Dec. 1971 |  | 31,299 | 31,173 | 28,965 | 235.2 | 182.6 | 473.0 | 727.9 | 364.3 | 487.6 | 270.9 | 237.9 | 254.8 | 33.0 | 4.0 | 6.1 |
| Dec. 1972 |  | 31,410 | 30,360 | 29,053 | 255.7 | 1987 | 525.5 | 822.8 | 406.4 | 559.0 | 313.3 | 269.9 | 297.2 | 43.4 | 4.4 | 6.1 |
| MONTHLY: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1973--Jan. |  | 32,199 | 31,037 | 29,439 | 256.7 | 199.6 | 529.6 | 830.2 | 409.7 | 567.3 | 317.6 | 272.9 | 300.6 | 44.7 | 5.0 | 6.7 |
| Feb. |  | 31,634 | 30,040 | 29,368 | 257.9 | 200.4 | 532.4 | 835.8 | 413.5 | 578.5 | 323.6 | 274.5 | 303.5 | 49.1 | 4.5 | 6.1 |
| Mar. |  | 31,910 | 30,085 | 29,621 | 258.1 | 200.1 | 534.7 | 840.4 | 421.2 | 586.8 | 331.2 | 276.6 | 305.7 | 54.6 | 4.9 | 7.6 |
| Apr. |  | 32,300 | 30,589 | 29,867 | 259.4 | 200.8 | 538.4 | 846.4 | 426.6 | 593.2 | 337.4 | 278.9 | 308.0 | 58.4 | 5.1 | 7.1 |
| May |  | 32,445 | 30,602 | 30,114 | 262.4 | 203.4 | 5437 | 854.1 | 430.5 | 601.4 | 342.7 | 281.4 | 310.4 | 61.3 | 5.4 | 5.2 |
| June |  | 32,459 | 30,608 | 30,548 | 265.5 | 206.2 | 549.5 | 862.6 | 434.5 | 605.5 | 345.9 | 283.9 | 313.1 | 62.0 | 5.6 | 5.3 |
| Ju1y |  | 33,576 | 31,622 | 31,358 | 266.4 | 206.9 | 552.1 | 867.1 | 437.6 | 612.8 | 349.6 | 285.7 | 315.0 | 63.9 | 6.5 | 3.9 |
| Aug. |  | 33,906 | 31,741 | 32,038 | 266.3 | 206.4 | 555.1 | 870.7 | 443.8 | 622.1 | 355.1 | 288.8 | 315.6 | 66.3 | 7.1 | 4.8 |
| Sept. |  | 34,173 | 32,321 | 32,394 | 265.5 | 205.3 | 556.8 | 873.5 | 445.9 | 624.8 | 358.0 | 291.4 | 316.7 | 66.7 | 7.3 | 5.0 |
| Oct. |  | 34,942 | 33,466 | 32,845 | 266.6 | 206.1 | 561.9 | 880.3 | 446.5 | 628.8 | 359.1 | 295.3 | 318.5 | 63.8 | 6.9 | 6.0 |
| Nov. |  | 34,857 | 33,463 | 32,714 | 269.2 | 208.2 | 567.3 | 887.7 | 447.5 | 632.7 | 360.1 | 298.1 | 320.4 | 62.0 | 7.1 | 5.8 |
| Dec. |  | 35,105 | 33,807 | 32,912 | 271.4 | 209.7 | 572.1 | 894.8 | 449.6 | 634.6 | 363.5 | 300.6 | 322.7 | 62.8 | 7.4 | 4.9 |
| 1974--Jan. |  | 35,850 | 34,799 | 32,799 | 270.6 | 208.7 | 575.1 | 900.1 | 454.3 | 642.4 | 370.1 | 304.6 | 325.0 | 65.5 | 7.5 | 6.2 |
| Feb. |  | 35,108 | 33,916 | 32,791 | 273.1 | 210.4 | 581.2 | 908.3 | 454.8 | 650.7 | 374.7 | 308.1 | 327.1 | 66.6 | 7.7 | 3.0 |
| Mar. |  | 34,949 | 33,634 | 33,117 | 275.2 | 211.9 | 585.0 | 914.6 | 459.1 | 659.8 | 377.5 | 309.8 | 329.6 | 67.7 | 8.6 | 3.7 |
| Apr. |  | 35,902 | 34,166 | 33,660 | 276.7 | 212.8 | 588.5 | 919.9 | 471.2 | 668.6 | 387.1 | 311.8 | 331.4 | 75.4 | 9.6 | 4.5 |
| May |  | 36.523 36.731 | 33,933 | 34,270 | 277.8 | 213.4 | 591.0 | 923.1 | 477.8 | 674.3 | 394.4 | 313.3 | 332.1 | 81.2 | 10.7 | 3.8 |
| June |  | 36,731 | 33,725 | 34,795 | 279.6 | 214.8 | 596. 2 | 929.2 | 483.1 | 679.3 | 399.9 | 316.5 | 333.0 | 83.3 | 10.3 | 3.7 |
| Ju1y | $p$ | 37,445 | 34,145 | 35,066 | 280.0 | 215.1 | 599.1 | 933.0 | 486.9 | 686.7 | 404.5 | 319.1 | 333.9 | 85.4 | 11.2 | 2.5 |
| WEEKLY: |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1974--April | , | 35,398 | 33.895 | 33,240 | 276.3 | 212.9 | 586.6 | -- | 466.3 | -- | 381.8 | 310.3 |  | 71.5 | 9.5 | 4.8 |
|  | 10 | 35,040 | 33,846 | 33,117 | 276.4 | 212.3 | 587.7 | -- | 468.4 | -- | 385.1 | 311.3 | -- | 73.9 | 9.3 | 5.0 |
|  | 17 | 36,161 | 34,345 | 33,794 | 278.7 | 214.6 | 590.6 |  | 472.9 |  | 386.7 | 311.9 |  | 74.8 | 9.4 | 5.0 |
|  | 24 | 36,003 | 34,064 | 33,722 | 276.3 | 212.4 | 588.4 | -- | 471.8 | --- | 388.9 | 312.0 | -- | 76.9 | 9.7 | 4.0 |
| May | 1 | 36,742 | 34,585 | 34,277 | 275.3 | 211.5 | 587.9 | -- | 473.8 | -- | 390.5 | 312.5 | -- | 78.0 | 10.2 | 4.4 |
|  | 8 | 36,385 | 34,768 | 34,151 | 277.1 | 212.7 | 589.5 |  | 476.4 |  | 392.1 | 312.4 |  | 79.7 | 10.4 | 5.3 |
|  | 15 | 36,572 | 34,595 | 34,104 | 278.0 | 213.7 | 591.3 | -- | 476.6 | -- | 393.8 | 313.3 | -- | 80.6 | 10.8 | 3.3 |
|  | 22 | 36,659 | 33,569 | 34,250 | 279.2 | 214.6 | 592.1 |  | 478.5 |  | 394.9 | 312.9 |  | 82.0 | 11.1 | 3.2 |
|  | 29 | 36,447 | 32,841 | 34,434 | 276.7 | 212.2 | 590.8 | -- | 478.4 | -- | 396.6 | 314.0 | -- | 82.5 | 11.0 | 3.0 |
| June | 5 | 36,514 | 33,460 | 34,754 | 279.8 | 215.3 | 595. 1 | -- | 481.9 | -- | 397.2 | 315.3 | -- | 81.9 | 10.6 | 3.7 |
|  | 12 | 36,122 | 33,393 | 34,467 | 279.6 | 214.6 | 595.4 | -- | 482.5 | -- | 398.4 | 315.8 | -- | 82.5 | 10.1 | 4.7 |
|  | 19 | 36,967 | 33,744 | 34.963 | 280.2 | 215.4 | 597.1 | -- | 4829 | -- | 400.4 | 316.9 | -- | 83.5 | 9.7 | 3.5 |
|  | 26 | 36,851 | 34,063 | 34,775 | 278.9 | 214.2 | 596.1 | -- | 482.8 | . | 401.4 | 317.2 | -- | 84.1 | 104 | 3.3 |
| July | ${ }^{3}$ | 37.446 | 34,011 | 35,164 | 280.8 | 216.0 | 598.1 | -- | 487.9 | -- | 402.4 | 317.4 | -- | 85.0 | 10.7 | 3.1 |
|  | 10 | 37,102 | 34,462 | 34,994 | 279.3 | 214.2 | 597.8 |  | 485.3 | - | 403.2 | 318.5 | -- | 84.7 85.4 | 10.4 | 3.3 |
|  | 17 24 | 37,828 | 34,653 | 35,107 | 280.9 | 216.1 | 599.4 | -- | 486.2 | -- | 404.0 | 318.5 | -- | 85.4 | 10.8 | 2.1 |
|  | 24 | 37.514 37.338 | 33,873 33.649 | 34,921 $\mathbf{3 5}$, 199 | 279.2 | 214.3 | 598.7 |  | 487.0 |  | 405.3 | 319.5 | -- | 85.9 85.6 | 12.1 | 2.1 |
|  | $3^{31} \mathrm{p}$ | 37,338 | 33,649 | 35,199 | 279.2 | 214.4 | 600.2 | -- | 487.6 | -- | 406.6 | 321.0 | -- | 85.6 | 11.7 | 2.4 |
| Aug. | 7p | 37,102 | 34,019 | 35,241 | 280.8 | 215.4 | 601.3 | -- | 488.8 | -- | 405.3 | 320.5 | -- | 84.9 | 11.0 | 3.9 |
| 17 Estimated monthly average levels derived by averaging end of current month and end of previous month reported data. <br> NOTE: Reserve requirements on Eurodollar borrowings are included beginning october 16, 1969, and requirements on bank-related commercial paper are included beginning October 1, 1970. Adfusted credit proxy includes mainly total member bank deposits subject to reserve requirements, bank-related commercial paper and Burodollar borrowinge of v.s. banka. Weekly data are dafiy averages for statement weeks. Monthly data are daily averages except for nonbank commercial paper figures which are for <br> p - Preliminary. last day of month. Weekly data are not avallable for m $\mathrm{m}_{\text {, total loans and fivestments and thrift institution deposits. }}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Growth Rate in Money Supply (Per cent change at an annual rate)


[^3]
## Appendix Table IV

Growth Rates in Money Supply for Alternatives

|  |  | $\mathrm{M}_{1}$ |  | $\mathrm{M}_{2}$ |  | $\mathrm{M}_{3}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | M | Q | M | Q | M | $Q$ |
|  |  | Alt. A |  |  |  |  |  |
| 1974 | III | 4.9 | 4.9 | 6.8 | 7.2 | 5.6 | 5.7 |
|  | IV | 7.3 | 7.1 | 8.2 | 7.9 | 6.9 | 6.7 |
|  | III \& IV Combined | 6.1 | 6.0 | 7.5 | 7.6 | 6.3 | 6.2 |
|  |  | Alt. B |  |  |  |  |  |
| 1974 | III | 4.4 | 4.7 | 6.4 | 7.1 | 4.9 | 5.5 |
|  | IV | 5.9 | 6.0 | 6.5 | 6.5 | 5.0 | 5.0 |
|  | III \& IV Combined | 5.2 | 5.4 | 6.5 | 6.8 | 5.0 | 5.3 |
|  |  | A1t. C |  |  |  |  |  |
| 1974 | III | 4.0 | 4.5 | 6.0 | 7.0 | 4.5 | 5.3 |
|  | IV | 4.5 | 4.8 | 4.6 | 5.1 | 3.3 | 3.5 |
|  | III \& IV Combined | 4.2 | 4.7 | 5.3 | 6.0 | 3.9 | 4.4 |

$M=$ Annual rates of growth calculated from average levels in last months of the quarters.
$Q=$ Annual rates calculated from average levels in all three months of the quarters.

## Appendix Table V

Money Supply Growth Rates

|  |  | $\mathrm{M}_{1}$ | $M_{1}$ less Foreign Official Deposits | $M_{1}$ less Foreign <br> Official Deposits and Deposits due to Foreign Commercial Banks |
| :---: | :---: | :---: | :---: | :---: |
| 1973 | January | 4.7 | 5.2 | 5.3 |
|  | February | 5.6 | 5.6 | 6.7 |
|  | March | 0.9 | 0.5 | 0.9 |
|  | April | 6.0 | 6.5 | 6.6 |
|  | May | 13.9 | 13.0 | 11.8 |
|  | June | 14.2 | 14.7 | 14.4 |
|  | July | 4.1 | 3.6 | 2.8 |
|  | August | -0.5 | -0.5 | -- |
|  | September | -3.6 | -3.6 | -3.7 |
|  | October | 5.0 | 5.5 | 4.6 |
|  | November | 11.7 | 10.9 | 10.1 |
|  | December | 9.8 | 9.9 | 8.2 |
| 1974 | January | -3.5 | -4.0 | -5.0 |
|  | February | 11.1 | 11.2 | 11.3 |
|  | March | 9.2 | 10.2 | 9.9 |
|  | April | 6.5 | 3.9 | 4.0 |
|  | May | 4.8 | 6.6 | 5.8 |
|  | June | 7.8 | 6.1 | 6.2 |
|  | July | 1.7 | 3.0 | 1.3 |
| NOTE: | Growth rates from January 1974 to date have been revised to reflect changes due to April 1974 call report benchmark adjustments to $M_{1}$. |  |  |  |

Comparison of 01d and Revised Money Stock Growth Rates


Quarterly average:

| $1974-$ - lst Half | +7.7 | +6.6 | +9.3 | +8.7 |
| :---: | :---: | :---: | :---: | :---: |
| QI | +6.7 | +5.8 | +9.9 | +9.4 |
| QII | +8.5 | +7.3 | +8.5 | +7.9 |

Month end:

| $1974--1$ st Half | +7.1 | 6.0 | +8.9 | +8.4 |
| :---: | :---: | :---: | :---: | :---: |
| QI | +7.1 | 5.6 | +9.9 | +9.0 |
| QII | +7.0 | 6.4 | +7.8 | +7.7 |

Monthly:

| $1974-$ Jan. | -2.7 | -3.5 | +6.9 | +6.3 |
| ---: | ---: | ---: | ---: | ---: |
| Feb. | +12.9 | +11.1 | +13.6 | +12.7 |
| Mar. | +11.0 | +9.2 | +8.9 | +7.8 |
|  |  |  |  |  |
| Apr. | +8.3 | +6.5 | +8.2 | +7.2 |
| May | +7.7 | +4.8 | +5.3 | +5.1 |
| June | +0.9 | 1.7 | +9.7 | +10.6 |
| July |  |  | +5.0 | +5.8 |


[^0]:    ${ }^{1}$ In some cases, original copies needed to be photocopied before being scanned into electronic format. All scanned images were deskewed (to remove the effects of printer- and scanner-introduced tilting) and lightly cleaned (to remove dark spots caused by staple holes, hole punches, and other blemishes caused after initial printing).
    ${ }^{2}$ A two-step process was used. An advanced optical character recognition computer program (OCR) first created electronic text from the document image. Where the OCR results were inconclusive, staff checked and corrected the text as necessary. Please note that the numbers and text in charts and tables were not reliably recognized by the OCR process and were not checked or corrected by staff.

[^1]:    * Break in Series, Actual Level of RPD After Changes in Reserve Requirements

[^2]:    $\frac{1}{2}$ / Represents change in System's portfolio from end-of-period to end-of-period; includes redemptions in regular bill auctions.
    2/ Represents change in daily average level for preceding period.
    3/ Includes matched sale-purchase transactions as well as RP's.
    4/ Sum of changes in vault cash, currency in circulation, Treasury operations, F.R. float, gold and foreign accounts, and other F.R. accounts.
    5/ Reserves to support private nonbank deposits. Target change for July and Aug. reflects the target adopted at the July 16 , 1974 FOMC meeting Target change for previous months reflects the bluebook patterns that are consistent with target ranges that were adopted during the month.

[^3]:    $M=$ Annual rates of growth calculated from average levels in the final months of the quarters.
    $Q=$ Annual rates calculated from average levels in all three months of the quarters.
    $r=$ Revised data.

