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# MONETARY AGGREGATES AND MONEY MARKET CONDITIONS 

Prepared for the Federal Open Market Committee

By the Staff
bOARD OF GOVERNORS OF THE FEDERAL RESERVE SYSTEM

MONETARY AGGREGATES AND MONEY MARKET CONDITIONS

Recent developments
(1) $M_{1}$ increased at an annual rate of 8.3 per cent in April. Growth appears to be moderating in May, and $M_{1}$ is indicated to expand at a 6.5 per cent annual rate over the April-May period, slightly below the upper end of the Committee's range of tolerance. Growth in $M_{2}$ also appears to be slowing over April and May, to a rate slightly below the mid-point of its range of tolerance, reflecting somewhat more moderate expansion of time deposits (other than large $C D^{\prime}$ s) than projected at the time of the April Comittee meeting. $/$ Deposit inflows at nonbank thrift institutions have slowed markedly. Estimates for April show no growth, seasonally adjusted, at mutual savings banks and only a 4 per cent rate of growth at S\&I's; data for recent weeks suggest the possibility of an even weaker performance in May.

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(3) Following the April FOMC meeting, incoming deposit data suggested that growth in both $M_{1}$ and $M_{2}$ would exceed the upper end of their ranges of tolerance. Accordingly, the Account Manager adopted a more reluctant approach to the provision of reserves, expecting the Federal funds rate to move up to around $10^{\frac{3}{4}}$ per cent, the upper end of its range. Money market pressures proved unexpectedly strong, however, and Federal funds began to trade around 11 per cent toward the end of the statement week ending April 24th. Given these conditions, and the action to raise the discount rate to 8 per cent on April 24, Chairman Burns recommended on that day raising the upper end of the tolerance range for the Federal funds rate to 11 per cent. A majority of the Committee members concurred in this recommendation.
(4) Subsequently, the Account Manager sought reserve conditions consistent with an 11 per cent Federal funds rate. Unusually strong money market pressures persisted, however, and the Federal funds rate averaged above 11 per cent. In the past statement week the effective rate has been consistently close to $11 \frac{1}{2}$ per cent, although today it eased to about 11.35 per cent, It appears that member banks have had a strong preference to avoid borrowing at the discount window, opting instead to pay a higher rate on Federal funds. Apart from special borrowing by a problem bank, member bank borrowing over the past two statement weeks averaged $\$ 1.6$ billion, down from an average of almost $\$ 2$ billion in the previous three weeks.
(5) The Desk has been handicapped in attempting to counteract these pressures by the technical state of the markets for Treasury and

Federal Agency securities, Dealer positions in U.S. Government securities have been depleted throughout the period, reflecting the state of expectations in the dealer community, sizable Desk purchases, and good retail demand. Collateral for repurchase agreements has also been on the scarce side. Moreover, dealers have withdrawn sizable amounts of repurchase agreements before maturity because they have been making considerable net asles of Treasury securities to the public.
(6) On May 17, Chairman Burns recommended that the Committee take note of the difficulties faced by the Desk in the recent period. Also, given the likelihood that the technical problems encountered might persist over the next few days, the Chairman expressed the view that it would be appropriate to change the ceiling guideline for the funds rate from 11 to $11 \frac{3}{4}$ per cent. A majority of Committee members concurred in the Chairman's recommendations.
(7) After rising sharply early in the inter-meeting period, interest rates on Treasury securities, particularly on Treasury bills, have dropped considerably in recent days. The 3 -month bill rate was quoted 7.93 per cent at the close on Friday, as compared with an average issuing rate of 9.02 per cent established in the auction of May 6. The rally in the Treasury securities market has been generated not only by the previously noted shortage of issues, but also by an apparent shift of investor preferences toward securities of the highest quality, sparked by news stories regarding the problems of the Frankiln National Bank and widespread rumors that some other banks and financial houses might also be encountering difficulties.
(8) Private short-term rates have risen sharply since the last Committee meeting. Banks have raised their prime rates from the 10 per cent level prevailing in mid-April into an $11 \frac{1}{4}-11 \frac{1}{2}$ per cent range. Yields on large $C D$ 's and commercial paper with 3 -month maturity dates have risen a percentage point or more to levels above 11 per cent. Evidence of a move toward higher quality securities is also apparent in these sectors of the credit markets. There are reports, for example, that a number of investors have reduced the list of institutions whose commercial paper, bankers' acceptances, and negotiable CD's they are prepared to acquire. And there has been a marked widening of the yield spread between issues of prime and lower grade borrowers in these markets.
(9) For its mid-May refunding operations, the Treasury decided to pay down $\$ 1.6$ billion of the $\$ 5.6$ billion of maturing debt and to refund the remainder by issuing three securities: \$2.0 billion of an $8 \frac{3}{4}, 25 \frac{1}{2}$ month note; $\$ 1.75$ billion of an $8 \frac{3}{2}, 4 \frac{1}{4}$ year note; and $\$ 300$ million of a 8.50 per cent, 25 -year bond. Both notes were auctioned at prices near par and currently are quoted above their auction averages. The bond was auctioned at a substantial premium to provide a yield of 8.23 per cent; the premium subsequently increased enough to reduce the yield to 8.13 per cent, but most recently the price has fallen back to about the auction average. Dealers have now distributed the bulk of their awards of all three issues.
(10) The table on the next page shows (in percentage annual rates of change) selected monetary and financial flows over various recent time periods; money supply figures are on a revised basis. Appendix

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table III compares money supply growth rates computed on a quarterlyaverage 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,


1/ Other than interbank and U.S. Government.
2/ Based on month-end figures. Includes loans sold to affiliates and branches.
NOTE: All items are based on averages of daily figures, except for data on total loans and investments of commercial banks, commercial paper, and thrift institutions-which are derived from either end-of-month or last Wednesday-ofmonth 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

(11) Alternative policy approaches are summarized below for Comittee consideration (with more detailed figures shown in the table on $\mathrm{p} \cdot 8 \mathrm{a}$ ).
Alt. A
Alt. B
Alt. C

Targets (2nd \& 3rd qtrs. combined)

| $M_{1}$ | $6 \frac{1}{4}$ | $5 \frac{1}{2}$ | $4 \frac{3}{4}$ |
| :---: | :--- | :--- | :--- |
| $M_{2}$ | $6 \frac{3}{2}$ | 6 | 5 |
| Credit proxy | 14 | 12 | 10 |

Associated ranges for
May-June

| RPD | $18-20$ | $16 \frac{1}{2}-18 \frac{1}{2}$ | $15 \frac{1}{2}-17 \frac{1}{2}$ |
| :--- | :---: | :---: | :---: |
| $M_{1}$ | $5-7$ | $4 \frac{1}{2}-6 \frac{3}{2}$ | $4-6$ |
| $M_{2}$ | $5 \frac{3}{2}-7 \frac{3}{2}$ | $5-7$ | $4-6$ |
| Uds rate range | $10-12$ | $11-13$ | $12-14$ |

(12) At its last meeting, the Committee established a $5 \frac{3}{2}$ per cent annual rate of growth for $M_{1}$ from March to September as its longerrun target. Since then, the March level of $M_{1}$ has been raised by \$1.3 billion, reflecting revisions for new year-end benchmark data (as explained in the footnote on page 1). The $4 \frac{3}{4}$ per cent annual rate of growth for $M_{1}$ in alternative $C$ has been set to compensate for this upward revision. As shown in the chart on the following page, such a growth rate would achieve the $M_{1}$ level in September that was implicit in the longer-run path adopted by the Committee at its last meeting. Alternative $B$ continues a $5 \frac{3}{2}$ per cent growth rate for $M_{1}$, but from the

## MONEY SUPPLY AND LONGER RUN TARGET PATH



|  |  | Alternative Longer-Run Targets for Key Monetary Aggregates |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | $M_{1}$ |  |  | $M_{2}$ |  |  | $M_{3}$ |  |  |
|  |  | Alt. A | Alt. B | Alt. C | A1t. A | Alt. B | Alt. C | Alt. A | Alt. B | Alt. C |
| 1974 | Apr. | 278.1 | 278.1 | 278.1 | 590.2 | 590.2 | 590.2 | 921.6 | 921.6 | 921.6 |
|  | May | 279.2 | 279.2 | 279.1 | 592.8 | 592.8 | 592.7 | 924.9 | 924.9 | 924.7 |
|  | June | 280.8 | 280.6 | 280.3 | 596.5 | 595.9 | 595.2 | 929.7 | 928.8 | 927.9 |
|  | Sept. | 284.7 | 283.9 | 282.8 | 606.3 | 603.7 | 600.6 | 942.7 | 939.4 | 935.3 |
| Quarters: |  | Rates of Growth |  |  |  |  |  |  |  |  |
| 1974 | 2nd Q . | 6.7 | 6.4 | 5.9 | 7.0 | 6.6 | 6.1 | 6.1 | 5.7 | 5.3 |
|  | 3rd Q. | 5.6 | 4.7 | 3.6 | 6.6 | 5.2 | 3.6 | 5.6 | 4.6 | 3.2 |
| Months: |  |  |  |  |  |  |  |  |  |  |
|  | May | 4.7 | 4.7 | 4.3 | 5.3 | 5.3 | 5.1 | 4.3 | 4.3 | 4.0 |
|  | June | 6.9 | 6.0 | 5.2 | 7.5 | 6.3 | 5.1 | 6.2 | 5.1 | 4.2 |
|  |  | Adjusted Credit Proxy |  |  | Total Reserves |  |  | RPD |  |  |
|  |  | Alt. A | Alt. B | Alt. C | Alt. A | Alt. B | A1t. C | Alt. A | Alt. B | Alt. C |
| 1974 | Apr. | 471.3 | 471.3 | 471.3 | 35,914 | 35,914 | 35,914 | 33,669 | 33,669 | 33,669 |
|  | May | 477.4 | 477.4 | 477.4 | 36,557 | 36,550 | 36,550 | 34,296 | 34,288 | 34,280 |
|  | June | 482.2 | 481.8 | 481.5 | 36,635 | 36,565 | 36,486 | 34,730 | 34,660 | 34,581 |
|  | Sept. | 491.2 | 487.0 | 482.0 | 36,918 | 36,440 | 35,911 | 35,338 | 34,867] | 34,336 |
| Quarters: |  |  |  |  |  |  |  |  |  |  |
| 1974 | 2nd Q. | 20.1 | 19.8 | 19.5 | 19.3 | 18.5 | 17.6 | 19.5 | 18.6 | 17.7 |
|  | 3rd Q . | 7.5 | 4.3 | 0.5 | 3.1 | 1.7 | 6.3 | 7.0 | 2.4 | -2.8 |
| Months: |  |  |  |  |  |  |  |  |  |  |
|  | May | 15.5 | 15.5 | 15.5 | 21.5 | 21.2 | 21.2 | 22.4 | 22.1 | 22.0 |
|  | June | 12.1 | 11.0 | 10.3 | 2.6 | 0.5 | -2.2 | 15.2 | 13.0 | 10.1 |

new March level. Alternative A contemplates a somewhat more rapid $6 \frac{3}{4}$ per cent growth rate in $M_{1}$ over the second and third quarters combined.
(13) A somewhat more rapid longer-run rate of growth in $M_{1}$ than adopted by the Committee at its last meeting, such as envisioned under alternative $A$, appears necessary if money market conditions are not to tighten further. Under alternative A, the staff would expect the Federal funds rate to trade most frequently around 11-11䨐 per cent.
(14) The funds rate has been subject to upward pressure, in part because of a shift of bank borrowing preferences from the window to the funds market. This pressure may moderate, however, if more normal borrowing preferences come to prevail. We have assumed that member banks will want to increase their borrowing (apart from special borrowing) to about $\$ 2$ billion per week on average under alternative A, given the roughly 3 percentage point spread of the Federal funds rate over the current 8 per cent discount rate. Special borrowing by a problem bank may add another \$1 billion or so to borrowing levels.
(15) If funds were to trade mostly around 11 per cent over the weeks ahead there probably would be some decline in other short-term rates, and also in long rates, since market participants appear to have adjusted to a funds rate somewhat above this level. Declines could be fairly sizable, at least temporarily, if the market were to interpret such a move as signaling a shift in policy direction. Moreover, the shift in investor preferences toward high quality assets, and the
continued short market supply of Treasury bills, would tend to keep Treasury rates low relative to other market rates--perhaps in a $7 \frac{1}{2}-8 \frac{1}{2}$ per cent range in the case of the 3 -month bill. The odds on bill rates settiing in the upper part of this range would increase if the Treasury should choose to issue a bill strip of $\$ 1-1 \frac{1}{2}$ billion--a possibility that has been under some discussion.
(16) With the money market conditions assumed under alternative A, the staff would expect $M_{1}$ growth in May-June to be in a $5-7$ per cent range. The mid-point of this range, if attained, would produce a $6 \frac{3}{4}$ per cent annual growth rate in the second quarter. Growth would be expected to slow somewhat in the third quarter to about a $5 \frac{3}{4}$ per cent rate, as demand for money is further restrained by lagged impacts of the sharp rise in short-term interest rates over the past few months.
(17) Growth in time and savings deposits at banks (other than negotiable CD's at the large weekly reporting banks), and in deposits at thrift institutions has been sharply curtailed by the attraction of high market interest rates to savers. We would expect this tendency to continue even under alternative $A$, so that $M_{2}$ growth over the second and third quarters would be expected to slow to around 6.5 per cent, and in $M_{3}$ to about 5.0 per cent--on the order of 4 percentage points below the average annual rate of expansion in the fourth and first quarters.
(18) Restraining $M_{1}$ growth to a $5 \frac{1}{2}$ per cent annual rate over the second and third quarters--as under alternative B-- would be expected to put somewhat more pressure on the money market, with the

Federal funds rate rising to around 12 per cent between now and the next Committee meeting. The 3 -month bill rate would likely move up into an $8 \frac{1}{2}--9 \frac{1}{2}$ per cent range over the next few weeks, and other market rates would also adjust upward. This rise in rates would be needed to hold the rise in money demands to a pace consistent with a $5 \frac{1}{2}$ per cent growth rate for $M_{1}$ in the second and third quarters, in view of the larger increase in prices and nominal GNP. now projected. This relationship between money growth and interest rates makes no allowance for the possibility that liquidity preference may increase if confidence in financial markets continues to weaken.
(19) To achieve the even greater restraint on monetary expansion called for under alternative $C$, the Federal funds rate would be expected to rise to around 13 per cent over the next few weeks. The time and savings deposits experience at banks and thrift institutions would be expected to deteriorate further-with deposit flows at thrift institutions probably negative as the Treasury bill rate adjusted sharply upward, perhaps to near 10 per cent.
(20) Under alternative $A$, banks are expected to continue borrowing fairly heavily through $C D$ 's, and to obtain funds in the Eurodollar market. We have projected a slower growth in $C D$ 's, though, in the expectation that tighter lending terms by banks will work to moderate loan growth. Mreover, it appears that less-than-prime banks are beginning to encounter investor resistance to their CD's. If, as seems quite possible, such resistance intensifies, $C D$ growth could be substantially less than projected, bank credit expansion could be constrained, and strains in other financial markets (including the Euro-dollar market) could be exacerbated.
(21) Under alternative $C$ and possibly also $B$, sharply higher interest rates would erode asset values and bring the adequacy of bank liquidity into question. Banks outside major money centers might in some cases be excluded altogether from raising funds in national money markets. With the intensification of pressures on financial institutions and financial markets, many institutional lenders would likely severely restrict loan extensions. The mortgage market would come under great pressure and some nonfinancial businesses would encounter serious liquidity problems.
(22) A further significant rise in interest rates over the next few months may need to be followed by a decline in late summer in order to avoid unduly limiting monetary expansion in the final months of the year. Alternative $C$ has the greatest potential for such a pattern, and might well bring about a severe wrenching of market conditions.
(22) 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 May 1 has been completed and the issues largely distributed. Also, in view of the strong connection between U.S. financial markets, the Euro-dollar market, and foreign exchange markets, it is proposed to say ". . .while taking account of financial market developments. . " without separate reference to "international" and "domestic" developments. In alternative $C$, it is proposed to give special emphasis to that phase--i.e.,". . while taking careful account. . ""-in view of the strong possibility of exaggerated market reactions to the sharp rise in interest rates associated with open market operations designed to achieve the specified rates of growth in the aggregates.

## Alternative A

To implement this policy, while taking account of tire for theoming-Treasury-finaneing-and-of-international-and-demestie financial market developments, the Committee seeks to achieve bank reserve and money market conditions that-wetłd-mederate CONSISTENT WITH MODERATE growth in monetary aggregates over the months ahead.

## Alternative B

To implement this policy, while taking account of the fer theeming-Treasury-finaneing-and-ef-international-and-domestie financial market developments, the Committee seeks to achieve bank reserve and money market conditions that would moderate growth in monetary aggregates over the months ahead.

## Alternative C

To implement this policy, while taking CAREFUL account of the-for theoming-Treasury-毛tnaneing-and-of-internatienaz-and-temestie financial market developments, the Committee seeks to achieve bank reserve and money market conditions that would mederate SLOW APPRECIABLY THE growth in monetary aggregates over the months ahead.
(23) In the event that the Committee wishes to couch the operational paragraph of the directive in terms of money market conditions, the specifications of alternative A might be associated with language indicating that ". . .the Committee seeks to maintain about the prevailing restrictive money market conditions, provided that the monetary aggregates appear to be growing at rates within the specified ranges of tolerance."

## RESERVES AVAILABLE TO SUPPORT PRIVATE NONBANK DEPOSITS



[^2]
## MONEY MARKET CONDITIONS AND INTEREST RATES


(ACTUAL AND CURRENT PROJECTIONS)


NOTE: DATA SHOWN IN PARENTHESES ARE CURRENT PROJECTIONS. AT THE FOMC MEETING OF APRIL 16 , 1974 THE COMMITTEE AGREED ON A RPD RANGE OF 6 TO 12 PERCENT FOR THE APRIL-MAY PERIOO.
(ACTUAL AND CURRENT PROJECTIONS, SEASONALLY ADJUSTED:


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

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

Millions of dollars

| Period | U S. Govt. Security Dealer Positions |  | Dealer Positions |  | Member Bank Reserve Positions, |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Corporate Bonds | Municipal Bonds | Excess** Reserves | Borrowing at FRB** |  | Basic Reserve Deficit |  |
|  | Bills | Coupon Issues |  |  |  | Total | Seasonal | 8 New York | 38 Others |
|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| 1973 -- High | 3,796 | 1,299 | 197 | 384 | 631 | 2,561 | 163 | -5,243 | $-10,661$ |
| Low | 897 | -301 | 0 | 36 | -240 | 688 | 3 | -1,831 | $-4,048$ |
| 1974 -- High | 3,238 | 2,203 | 253 | 371 | 394 | 2,157 | 94 | -6,189 | -12,843 |
| Low | 305 | -39 | 7 | 43 | -83 | 776 | 13 | 2,672 | - 9,181 |
| 1973 -- Apr | 2,457 | 106 | 12 | 60 | 255 | 1,688 | 3 | -3,293 | -6,577 |
| May | 1,894 | 421 | 66 | 151 | 161 | 1,843 | 30 | -3,019 | -5,872 |
| June | 2,281 | 562 | 33 | 120 | 234 | 1,851 | 75 | -3,507 | -6,443 |
| July | 1,425 | 265 | 24 | 139 | 285 | 1,953 | 155 | -2,460 | -6,106 |
| Aug. | 1,690 | 39 | 0 | 70 | 177 | 2,165 | 163 | -2,689 | -4,940 |
| Sept | 2,745 | 395 | 6 | 80 | 216 | 1,852 | 148 | -3,173 | -5,355 |
| Oct | 2,565 | 484 | 44 | 226 | 227 | 1,476 | 126 | -3,814 | -6,090 |
| Nov. | 2,804 | 793 | 90 | 148 | 239 | 1,393 | 84 | -4,469 | -8,186 |
| Dec | 3,441 | 973 | 105 | 276 | 307 | 1,298 | 41 | -4,682 | -9,793 |
| 1974 -- Jan | 3,102 | 540 | 114 | 254 | 162 | 1,051 | 18 | -4,753 | -10,893 |
| Feb | 2,436 | 1,619 | 120 | 263 | 184 | 1,162 | 17 | -5,262 | -10,769 |
| Mar | 1,986 | 583 | 68 | 239 | 134 | 1,314 | 32 | -5,030 | -11,058 |
| Apr | *1,435 | * 99 | 39 | 78 | 205p | 1,736p | 40p | -3,952 | -11,603 |
| 1974 -- Mar. 6 | 2,474 | 1,097 | 114 | 298 | 118 | 912 | 19 | -5,911 | -10,497 |
| 13 | 2,466 | 848 | 14 | 286 | 116 | 983 | 19 | -5,858 | -11,388 |
| 20 | 1,501 | 520 | 71 | 167 | 80 | 1,483 | 34 | -4,304 | -11,441 |
| 27 | 1,538 | 154 | 73 | 204 | 169 | 1,713 | 44 | -4,402 | -11,298 |
| Apr. 3 | 2,264 | 263 | 86 | 97 | 226 | 1,503 | 48 | -4,032 | -11,062 |
| 10 | 2,120 | 21.2 | 16 | 46 | 62 | 1,194 | 41 | -5,375 | -11,470 |
| 17 | 1,754 | 80 | 30 | 43 | 329 | 1,816 | 47 | -4,739 | -12,826 |
| 24 | * 472 | * -39 | 24 | 124 | 190 p | 1,938p | 54p | -2,672 | -11,648 |
| May 1 | * 810 | *-15 | 7 | 153 | 158p | 2,157p | 74p | -2,967 | - 9,712 |
| 8 | + 616 | *-17 | 37 | 129 | 213p | 1,617p | 82 p | -3,676p | - 9,185p |
| 15. | * 305 | * 384 | 150 p | $95 p$ | 250p | 1,977p | 94 P | -3,999p | - 9,181p |
| 22 29 |  |  |  |  |  |  |  |  |  |

NOTF: Government security dealer trading positions are on a comitment basis. Trading positions, which exclude Treasury bills financed by repurchase agreements maturing in 16 days or more, are indicators of dealer holdings available for sale over the near-term. other security dealer positions are debt issues still in syndicate, excluding trading positions. The basic reserve deficit is excess reserves less borrowing at Federal Reserve less net Federal funds purchases Weekly data are daily averages for statement weeks, except for corporate and municipal issues in syndicate which are Friday figures.

* strictly Confidential
** Monthly averages for excess reserves and borrowings are weighted averages of statement week figures.

Per cent

| Period | Short-Term |  |  |  |  |  | Long-Term |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Federal Funds | Treasury Bills |  | $\begin{gathered} 90-119 \text { Day } \\ \text { Commercial } \\ \text { paper } \\ \hline \end{gathered}$ | CD's New Issue-NYC |  | Aaa Utility |  | Municipal Bond Buyer | U. 5 Government (10-yr Constant Maturity) | FNMA Auction Yields |
|  |  | 90-Day | 1-Year |  | 60-89 Day | 90-119 Day | $\begin{gathered} \text { New } \\ \text { Issue } \end{gathered}$ | Recently Offered |  |  |  |
|  | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| 1973 -- High | 10.84 | 8.95 | 8.43 | 10.50 | 10.50 | 10.75 | 8.52 | 8.30 | 5.59 | 7.54 | 9.37 |
| Low | 5.61 | 5.15 | 5.42 | 5.63 | 5.38 | 5.50 | 7.29 | 7.26 | 4.99 | 6.42 | 7.69 |
| 1974 -- High | 11.46 | 8.78 | 8.52 | 11.00 | 11.00 | 11.00 | 9.27 | 9.14 | 6.00 | 7.66 | 9.34 |
| Low | 8.81 | 7.04 | 6.39 | 7.88 | 8.00 | 7.88 | 8.05 | 8.14 | 5.16 | 6.93 | 8.43 |
| Apr. | 7.12 | 6.26 | 6.51 | 7.13 | 7.04 | 6.75 | 7.46 | 7.48 | 5.15 | 6.67 | 7.89 |
| May | 7.84 | 6.36 | 6.63 | 7.26 | 7.44 | 7.41 | 7.51 | 7.50 | 5.15 | 6.85 | 7.98 |
| June | 8.49 | 7.19 | 7.05 | 8.00 | 7.98 | 813 | 7.64 | 7.64 | 5.18 | 6.90 | 8.07 |
| July | 10.40 | 8.01 | 7.97 | 9.26 | 9.09 | 9.19 | 8.01 | 7.97 | 5.40 | 7.13 | 8.46 |
| Aug. | 10.50 | 8.67 | 8.32 | 10.26 | 10.25 | 10.40 | 8.36 | 8.22 | 5.48 | 7.40 | 8.83 |
| Sept. | 10.78 | 8.29 | 8.07 | 10.31 | 10.31 | 10.50 | 7.88 | 7.99 | 5.10 | 7.09 | 9.32 |
| Oct. | 10.01 | 7.22 | 7.17 | 9.14 | 9.15 | 9.08 | 7.90 | 7.94 | 5.05 | 6.79 | 9.01 |
| Nov. | 10.03 | 7.83 | 7.40 | 9.11 | 9.06 | 8.91 | 7.90 | 7.94 | 5.18 | 6.73 | 8.84 |
| Dec. | 9.95 | 7.45 | 7.01 | 9.28 | 9.44 | 9.13 | 8.00 | 8.04 | 5.12 | 6.74 | 8.78 |
| 1974 -- Jan. | 9.65 | 7.77 | 7.01 | 8.86 | 9.05 | 8.83 | 8.21 | 8.22 | 5.22 | 6.99 | 8.71 |
| Feb. | 8.97 | 7.12 | 6.51 | 8.00 | 809 | 7.97 | 8.12 | 8.23 | 5.20 | 6.96 | 8.48 |
| Mar. | 9.35 | 7.97 | 7.34 | 8.64 | 8.69 | 8.56 | 8.46 | 8.42 | 5.41 | 7.21 | 8.53 |
| Apr. | 10.51 | 8.33 | 8.08 | 9.92 | 9.81 | 9.78 | 8.98 | 8.94 | 5.73 | 7.51 | 9.07 |
| 1974 -- Mar. 6 | 8.98 | 7.60 | 6.91 | 8.15 | 8.25 | 8.13 | 8.37 | 8.27 | 5.27 | 7.08 | -* |
| 13 | 9.03 | 7.81 | 7.02 | 8.33 | 8.38 | 825 | 8.33 | 8.37 | 5.32 | 7.12 | 8.44 |
| 20 | 933 | 7.93 | 7.26 | 8.58 | 8.75 | 8.63 | 8.59 | 8.52 | 5.46 | 7.28 | -- |
| 27 | 9.61 | 8.22 | 783 | 9.10 | 9.38 | 9.25 | 8.64 | 8.67 | 5.57 | 7.38 | 8.62 |
| Apr. 3 | 9.93 | 8.41 | 7.84 | 9.45 | 9.38 | 9.25 | 8.78 | 8.75 | 5.73 | 747 | -- |
| 10 | 10.02 | 8.60 | 8.10 | 9.63 | 9.75 | 9.75 | 9.13 | 8.92 | 5.75 | 7.48 | 8.95 |
| 17 | 10.36 | 8.13 | 8.01 | 9.80 | 9.88 | 9.88 | 8.91 | 8.95 | 5.61 | 7.46 | -- |
| 24 | 10.78 | 7.96 | 8.08 | 10.03 | 10.25 | 10.25 | 8.98 | 908 | 5.82 | 7.58 | 9.18 |
| May 1 | 11.17 | 8.65 | 8.34 | 10.65 | 10.75 | 10.75 | 9.27 | 9.01 | 5.91 | 7.63 | -- |
| 8 | 11.29 | 8.78 | 8.52 | 10.98 | 11.00 | 11.00 | 9.27 | 9.14 p | 6.00 | 7.66 | 9.34 |
| 15 | 11.46 | 8.15 | 8.21 | 11.00 | 10.88 | 11.00 | 9.22p | n.a. | 6.04 | 7.55p | -- |
| 22 |  |  |  |  |  |  |  |  |  |  |  |
| Daily--May 9 | 11.51 | 8.49 | 8.49 | 11.00 | -- | -- | - | -- | -* | 7.70 | - |
| 16 | 11.53p | 7.94 | 8.08 | 11.00 | -- | -- | -- | -- | -- | n.8. | -- |

NOTES: Weekly data for columis 1 to 4 are statement week averages of daily data. Columns 5 and 6 are one-day Wednesday quotes. For Columns 7 , 8 and lo Colum 9 is a the statement week. Column 11 gives FNMA auction data for the Monday preceding the end of the statement week The FNMA auction yield is the
average yield in the bi-weekly auction for short-term forward commitments for Government underwritten mortgages.


I/ Growth rates are based on estimated monthly average levels derived by averaging end of current month and end of previous month reported data.
NOTE: Reserve Requirements on Eurodollar borrowings are included beginning October 16, 1969, and requirements on bank-related conmercial paper are included beginning p-Preliminary.

$1 /$ Estimated monthly average levels derived by averaging end of current month and end of previous month reported data. . P- Preliminary. Reserve requirements on Eurodollar borrowings are included beginning October 16, 1969, atid requirements on bank-related coumercial paper are included beginning October 1 1970. Adjusted cred it proxy includes mainly total member bank deposits subject to reserve requirements, bank-related commercial paper and Purodollar borrowinge of U. So
banks. Weekly data are daily averages for statement weeks. Monthly data are daily averages except for nonbank cownercial paper figures which are for last day of month. banks. Weekly data are daily averages for statement weeks. Monthly data are daily averages except
Weekly data are not available for M ${ }_{3}$, total loans and investments and thrift institution deposits.

## Appendix Table III

## Growth Rate in Money Supply

(Per cent chaiage at an annual rate)


[^3]
## Appendix Table IV

Growth Rates in Money Supply for Alternatives

|  |  |  | $\mathrm{M}_{1}$ |  | $M_{2}$ |  | $\mathrm{M}_{3}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | M | 0 | M | $Q$ | M | Q |
|  |  |  | Alt. A |  |  |  |  |  |
| 1974 | II |  | 6.7 | 8.5 | 7.0 | 8.3 | 6.1 | 7.5 |
|  | III |  | 5.6 | 5.7 | 6.6 | 6.6 | 5.6 | 5.6 |
| II | \& III | Combined | 6.2 | 7.1 | 6.8 | 7.4 | 5.8 | 6.5 |
|  |  |  | Alt. B |  |  |  |  |  |
| 1974 | II |  | 6.4 | 8.3 | 6.6 | 8.1 | 5.7 | 7.4 |
|  | III |  | 4.7 | 4.9 | 5.3 | 5.5 | 4.6 | 4.7 |
| II | \& III | Combined | 5.5 | 6.6 | 5.9 | 6.8 | 5.1 | 6.0 |
|  |  |  | Alt. C |  |  |  |  |  |
| 1974 | $\begin{array}{r} \text { II } \\ \text { III } \end{array}$ |  | 5.9 | 8.2 | 6.1 | 7.9 | 5.3 | 7.2 |
|  |  |  | 3.6 | 3.9 | 3.6 | 4.0 | 4.2 | 3.5 |
| II \& III Combined |  |  | 4.7 | 6.0 | 4.8 | 5.9 | 4.2 | 5.3 |
| $\mathrm{M}=$ Annual rates of growth calculated months of the quarters. |  |  |  |  |  |  |  |  |
| $Q=$ Annual rates calculated from average levels in all three months of the quarters. |  |  |  |  |  |  |  |  |

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## Appendix Table $V$ <br> Comparison of Money Stock Growth Rates



1/ Incorporates benchmark data from December 1973 call report.

## Appendix Table VI

## Money Supply Growth Rates




[^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]:    1/ Growth rates for $M_{1}$ and $M_{2}$ are based on revised data. Money supply figures have been revised back to October to reflect December call report information for nonmember banks and new data for foreign ageaciee and branches. The revision raises the annual rate of growth for $M_{1}$ from 7.5 to 8.9 per cent in the fourth quarter of 1973 , and from 6.7 to 7.1 per cent in the fourth quarter of 1974. Levels of $M$ for December and March are raised by $\$ 1$ and $\$ 1.3$ billion, respectively. The old and revised series are compared in appendix table V.

[^2]:    * Break in Series Actual Level of RPD After Changes in Reserve Requirements

[^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.

