## Prefatory Note

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## MONETARY POLICY ALTERNATIVES

## Prepared for the Federal Open Market Committee

By the staff Board of Governors of the Federal Reserve System

## MONETARY POLICY ALTERNATIVES

## Recent Developments

(1) Ml expanded during January and February at an 11-1/2 percent average annual rate, but partial data suggest that growth in that aggregate is moderating in March to about a 3 to 4 percent pace. Growth of M1 over the December-to-March period is currently estimated at around 9 percent, compared with the 8 percent rate specified by the FOMC. All camponents of M1 contributed to strength in January and February. Demand deposits were particularly robust in February, but such deposits began to contract in early March. Inflows to Super NOW accounts have slowed following a pick-up in January when their minimum balance requirement was reduced; Ml as a whole does not appear to have been affected by this change.
(2) As with M1, M2 and M3 are apparently decelerating markedly in March. For the three months, expansion of these two aggregates is estimated at $9-1 / 2$ and $7-1 / 2$ percent, respectively, compared with the 10 to 11 percent rates of growth set by the Committee. Over the course of the quarter, interest rate relationships became less favorable for retail deposits and money market funds. In addition, there was a considerable weakening in large CDs at thrifts in February and early March.
(3) The debt of damestic nonfinancial sectors is estimated to have expanded at about a 12 percent annual rate on average during the first quarter, based on partial data. About $1-1 / 2$ percentage points reflects substitution of debt for equity in mergers and corporate restructuring, assuming that the debt for equity swap of Phillips takes place by the end of March. Federal sector debt has continued to expand rapidly this quarter,

KEY MONETARY AGGREGATES
(Seasonally adjusted annual rates of growth)

|  | Jan. | Feb. | Mar. 1 | $\begin{aligned} & \text { Dec. } \\ & \text { to } \\ & \text { Mar. } 1 \end{aligned}$ | $\begin{aligned} & \text { QIV } \\ & \text { to } \\ & \text { Mar. } 1 \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Money and Credit Aggregates |  |  |  |  |  |
| M1 | 9.0 | 14.1 | 3.6 | 9.0 | 9.5 |
| M2 | 13.6 | 10.5 | 4.6 | 9.6 | 10.7 |
| M3 | 10.1 | 7.9 | 4.7 | 7.6 | 9.3 |
| Domestic nonfinancial debt | 12.8 | 11.7 |  |  |  |
| Bank credit | 6.2 | 13.3 |  |  |  |
| Reserve Measures ${ }^{2}$ |  |  |  |  |  |
| Nonborrowed reserves ${ }^{3}$ | 39.1 | 15.6 | 2.0 | 19.1 | 20.3 |
| Total reserves | 31.1 | 19.7 | 1.5 | 17.6 | 17.5 |
| Monetary base | 8.0 | 12.3 | 8.3 | 9.6 | 9.2 |
| Memo: (Millions of dollars) |  |  |  |  |  |
| Adjustment and seasonal borrowing | 345 | 485 | 5984 |  |  |
| Excess reserves | 745 | 899 | 7515 |  |  |

Note: Monthly reserve measures, including excess reserves and borrowing, are calculated by prorating averages for two-week reserve maintenance periods that overlap months.

1. Based on available data through March 18; the Ml estimate assumes increases in the March 25 and April 1 weeks.
2. Growth rates of reserve measures are adjusted to remove the effects of discontinuities resulting from phased changes in reserve ratios under the Monetary Control Act.
3. Includes "Other extended credit" fram the Federal Reserve.
4. Through March 20.
5. Reserve maintenance period ending March 13.
although at a pace somewhat below that of the fourth quarter. Bond offerings by nonfinancial corporations in January and February were held substantially below the pace of the fourth quarter, while business borrowing from banks and in the comercial paper market picked up last month after showing little growth in January; business loans at large banks remained strong in early March. Expansion of household sector debt is estimated to have slowed slightly in the first two months of the year.
(4) Reflecting the rapid growth of transactions deposits, total reserves are estimated to have expanded at a $17-1 / 2$ percent annual rate from December to March, though growth decelerated month by month over the period. With borrowing at the discount window little changed, nonborrowed reserves increased at about the same pace. The nonborrowed reserves path for the intermeeting period was constructed on the assumption of $\$ 350$ million of borrowing; as Ml strengthened relative to path, the Desk conducted its operations with a view to tilting the odds samewhat toward borrowing coming in above rather than below this level. Nonborrowed reserves generally have been close to target, but with the demand for excess reserves unexpectedly high, borrowed reserves have averaged around $\$ 600 \mathrm{milli}$ ion in the two complete maintenance periods since the last FOMC meeting; thus far in the current statement period borrowing has averaged around $\$ 500$ million.
(5) Federal funds traded mainly between $8-3 / 8$ and $8-3 / 4$ percent during most of the intermeeting period, averaging close to $8-1 / 2$ percent, about the same level as in the first half of February. Other short-term rates have risen from 25 to 60 basis points, however, and bond yields are as much as 60 basis points higher. Lack of progress in deficit reduction efforts contributed to market expectations that credit markets would be tightening as the year progressed. In addition, continued strength in
money growth over the first two months of the year led many to anticipate that monetary policy might soon have to tighten, if it was not already in process of doing so. The closing of non-federally insured ohio thrift institutions had relatively little impact on domestic credit marketsor so far on the national pattern of deposit and currrency flows. Treasury bill rates dropped some 30 to 40 basis points relative to yields on private instruments immediately following the Governor's announcement in ohio, but quality spreads subsequently moved back to around previously prevailing levels.
(6) Since the last FOMC meeting, the weighted-average value of the dollar has declined, net, by $1-1 / 2$ percent. Fluctuations have been wide in of ten volatile market conditions. The dollar rose sharply early in the intermeeting period when U.S. econanic and monetary data proved stronger than anticipated.

- The dollar subsequently retraced most of its earlier decline, but again depreciated very sharply in mid-March largely in response to concerns sterming from difficulties at Ohio thrift institutions and less favorable economic indicators.
- The United States sold around $\$ 323$ million of which $\$ 306$ million was against marks and the remainder against sterling.


## Prospective developments

(7) The table below provides three alternative specifications for growth in the monetary aggregates from March to June, along with associated ranges for the federal funds rate. (More detailed data, including implied growth from the fourth quarter to June, can be found on the table and charts on the following pages.) Alternative $B$, which appears consistent with roughly unchanged pressures on reserve positions, calls for money growth that would keep Ml in June around the upper limit of the parallel band that extends back from the endpoints of the longer-run range for the aggregate. A more marked slowing of money growth is specified in alternative $C$, keeping Ml within the band though still above the upper limit of the cone; alternative A contemplates somewhat more rapid money growth than $B$ that would pull Ml above the upper limit of the band.

Alt. A Alt. B Alt. C
Growth from March
to June

| M1 | $7-1 / 2$ | $6-1 / 2$ | 5 |
| :--- | :--- | :--- | :--- |
| M2 | 8 | 7 | $5-1 / 2$ |
| M3 | $8-3 / 4$ | 8 | 7 |

Associated federal funds rate range

$$
5-1 / 2 \text { to } 9-1 / 2
$$

$$
6 \text { to } 10
$$

$$
7 \text { to } 11
$$

(8) Ml growth at around a 6-1/2 percent annual rate from March to June under alternative $B$ represents a fairly considerable moderation from the average pace of the past three months. Growth on a quarterly average basis would probably be around 6-3/4 percent, slightly higher than

Alternative Levels and Growth Rates for Key Monetary Aggregates


Growth Rates
Monthly


Chan 1
Actual and Targeted M1


ACTUAL AND TARGETED M2

Billions of dollars


projected expansion in nominal GNP, reflecting some remaining lagged effects on money demand of earlier interest rate declines. The pattern of Ml growth over the quarter could be affected by the timing of tax refunds. The amount of such refunds to date has lagged considerably behind disbursements in comparable periods during the past two years. Refunds are expected to run 10 percent less in total this year, but payments thus far have been well below that pace. That may have been a marginal factor restraining Ml growth in recent weeks, and as the Treasury catches up could boost growth a bit.
(9) The specified growth of Ml for the March-to-June period would imply expansion from QIV to June at an $8-1 / 4$ percent annual rate (assuming growth in March in fact turns out to be at the $3-1 / 2$ percent rate currently estimated). For Ml growth for the year to be just below the upper limit of the FOMC's longer-run range--for example, to be around 6-1/2 percent (OIV to QIV basis)--its growth would have to slow further over the June-to-December period, to about a 3-3/4 percent annual rate. Such a slowing would imply a return to rising velocity on the order of 2 to 2-1/2 percent at an annual rate, given the staff's GNP projectiona velocity rise that suggests the possibility of same little increase in interest rates as the second half progresses.
(10) Growth in M2 and M3 is expected to be subdued over the second quarter, reflecting the anticipated slowdown in MI and relatively moderate expansion in their nontransactions components. Nontransactions components have recently grown quite modestly, and little further change is expected, except for greater $C D$ expansion in the spring to compensate in part for slower growth in core deposits. M2 would move close to the
upper limit of its long-run cone by June under such conditions, and M3 would be within its cone.
(ll) Growth in the debt of nonfinancial sectors in the second quarter is projected to remain close to the pace of the first quarter. With expansion at around an 11-1/2 percent annual rate, the increase in nonfinancial debt would continue to outstrip growth in GNP, and for the first half of the year would be just below the 12 percent upper limit of the Camittee's monitoring range. We have assumed that equity retirements related to mergers and corporate financial restructuring will account for approximately $3 / 4$ of a percentage point of debt growth over the March-to-June period, sonewhat less than in the first quarter. Underlying business needs for funds, however, may edge higher as capital expenditures increase moderately while internally generated funds show little change. For households, mortgage borrowing may rise, reflecting the pick-up in expenditures following the decline in mortgage rates late last year, but consumer installment credit should slow samewhat, although remaining quite rapid. Federal goverrment borrowing is projected to increase (after seasonal adjustment), mirroring to some extent swings in its cash balance over the first two quarters rather than a fundamental shift in credit market pressures.
(12) The money growth objectives of alternative B are expected to involve continuation of about the existing degree of pressure on reserve positions, with reserve paths based on adjustment plus seasonal borrowing at the discount window averaging around $\$ 350$ million and federal funds expected to trade around $8-1 / 2$ percent. Seasonal borrowing has averaged around $\$ 80$ million in recent weeks, and with the spread of the federal funds rate over the discount rate likely to remain fairly
narrow under this alternative, seasonal borrowing would ordinarily be expected to increase only moderately further over the intermeeting period. If availability of the temporary simplified seasonal borrowing program or liquidity pressures at same agricultural banks were to result in an unusual rise in seasonal borrowing over the intemeeting period, or if adjustment borrowing rose substantially for special reasons, such as the situation in ohio, such borrowing increases above normal could be treated as in effect "nonborrowed" reserves in the conduct of open market operations. Nonborrowed reserves are anticipated to expand at about a 10 percent annual rate over the next three months, and total reserves by about 9 perœent, to meet the money objectives of this alternative and if demands for excess reserves are in the $\$ 600$ to $\$ 700$ million range.
(13) Interest rates could fall a little on balance over the intermeeting period under this alternative, although some near-term pressures could be evident at month end, owing to statement-date pressures and the process of distributing the Treasury's current end-ofquarter financing that raises about $\$ 12-3 / 4$ billion of new cash in coupon issues. The 3 -month Treasury bill rate might decline toward $8-1 / 4$ percent, as continued moderate growth in money and discount window borrowing around the $\$ 350$ million level further allayed concerns about a tightening of monetary policy. Significant downward movenents in long-term rates are unlikely in the absence of any substantial progress on deficit reduction measures or a noticeable weakening of econamic activity. In general, domestic credit, as well as foreign exchange, markets are likely to remain unusually skittish over the weeks ahead, having been sensitized by recent problems in the goverment securities market and with thrift institutions. Thus, interest rates and foreign exchange rates may be
prone to particularly sharp day-to-day movements. In foreign exchange markets the dollar might decline a little further, on balance, if interest rates tend a bit lower or if uncertainties about the strength of the U.S. econamy or the stability of financial markets become more prevalent.
(14) Alternative A contemplates same easing of pressures on reserve positions, with borrowing dropping to around $\$ 200 \mathrm{million}$ and the federal funds rate declining to close to the 8 percent discount rate. Total and nonborrowed reserves might increase at rates of 10 and 13 perœent, respectively, over the next three months. Other short-term interest rates might fall sharply under this alternative, with the 3 -month Treasury bill rate dropping below 8 percent. The easing of money markets would also tend to relieve the sensitivity of markets to the condition of financial institutions. Bond yields, too, would drop, and in foreign exchange markets, the dollar would fall substantially further.
(15) Ml growth would slow relatively little from the December-to-March pace under this alternative and would move above the upper limit of the band. M2 and M3 growth rates are expected to be relatively moderate, though M2 is expected to remain above the long-run cone in June under this approach. Moreover, there is potential for quite rapid growth for a while in the broad aggregates, particularly if market rates were to decline abruptly in face of lagging institutional rates.
(16) Fram the fourth quarter to June, Ml would increase at an 8-3/4 perœent annual rate under alternative A. Growth would have to slow to about a $3-1 / 4$ perœent annual rate over the last six months of the year, if growth for the year (QIV-to-QIV basis) were to be just below the upper limit of the long-run range. This would increase the odds that interest rates will rise in the second half of the year.
(17) Under alternative $C$, the 5 percent pace of Ml growth from March to June would keep this aggregate below the upper limit of the band. And the slower growth specified for M2 and M3 would place both of these aggregates within their respective long-run cones in June. Such a deceleration of money growth would likely involve a significant tightening of reserve conditions. Borrowing might increase to around $\$ 750 \mathrm{mil}-$ lion, and the federal furds rate would probably rise to around 9-1/2 percent. Nonborrowed and total reserves would increase at 4-1/2 and 7 percent annual rates, respectively.
(18) Other short-term interest rates also would rise under this alternative, although the extent of the increase might be damped a bit given existing expectations for some tightening in policy. The Treasury bill rate might rise to around 9 percent or higher, with private rates increasing a little more as the tightening of money markets accentuated concerns about credit quality. The rise in bond rates might be relatively small on balance, as slower money growth and the potential for less robust economic activity lay the groundwork for a possible decline in rates in the second half of the year. The dollar would probably regain same of its recent loss in exchange markets.

## Directive language

(19) Proposed language for the operational paragraph is shown below, with alternatives for describing the degree of pressure on reserve positions. The bracketed phrase in the first sentence, which is drawn from the previous directive, seems more appropriate if the Cormittee opts for alternatives $A$ or $B$ rather than the tightening of alternative $C$. Also, if the Camittee were to adopt samething like the proposed language in caps in the body of the paragraph beginning with the phrase "IN EITHER CASE ...", that might address the issues implicit in the bracketed language.

## OPERATIONAL PARAGRAPH

In the implementation of policy for the immediate future, [taking account of the progress against inflation, semainimg uncertainties in the business outlook, and the EXCHANGE VALUE strength of the dollar in-the-exehange-markets,] the Camittee seeks to REDUCE SOMEWHAT (Alt. A)/maintain (Alt. B)/INCREASE SOMEWHAT (Alt. C) THE EXISTING DEGREE OF PRESSURE ON reserve POSITIONS Eonditiens-eharaeteristie-өf-reeent-weeks, should THIS ACTION IS EXPECTED TO BE CONSISTENT WITH growth in Ml, zpper-to-be-exeeeding- ath-annuz-rate-of-around-8-percent-and M2, and M3 AT ANNUAL RATES a-rate of around 10 to-11 _, AND $\qquad$ percent RESPECTIVELY during the period from December-te March TO JUNE, moblest-ifereases-in-reserve-prescures-would-be
 factory zate ant- exchange-market-prescurec-dimipish. SOMEWHAT GREATER RESERVE RESTRAINT WOULD (MIGHT) BE ACCEPTABLE IN THE EVENT OF MORE SUBSTANTIAL GROWIH OF THE MONETARY AGGREGATES WHILE

SOMEWHAT lesser restraint en-resexve-pesitiens would (MIGHT) be acceptable in the event of substantially slower growth in-the
 WOULD BE CONSIDERED ONLY in the context of APPRAISALS OF THE STRENGIH OF THE BUSINESS EXPANSION, PROGRESS AGAINST INFLATION, AND CONDITIONS IN DOMESTIC CREDIT AND stuggish-geowth-ia-eeonemic
 markets. The Chairman may call for Committee consultation if it appears to the Manager for Domestic Operations that pursuit of the monetary objectives and related reserve paths during the period before the next meeting is likely to be associated with a federal funds rate persistently outside a range of 6-to-10 _ TO _ percent.


| Period | Net ${ }^{1}$ <br> Total | Cash Poniliont |  |  |  |  | Forwerd and Futuree Poniflons |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Treasury | Treasury coupons |  | federal ngency | private short-term | Treasury bille | Treenuiy couppons |  | federalagency | private short-ierm |
|  |  |  | $\begin{aligned} & \text { under } \\ & 1 \text { year } \end{aligned}$ | $\begin{aligned} & \text { over } \\ & 1 \text { yoer } \end{aligned}$ |  |  |  | $\begin{aligned} & \text { under } \\ & 1 \text { yoet } \end{aligned}$ | $\begin{aligned} & \text { ower } \\ & 1 \text { your } \end{aligned}$ |  |  |
| 1983--High | 20,858 | 13.273 | 1,579 | 8,778 | 12,088 | 17.005 | 1,654 | 14 | 1.516 | -907 | -4.411 |
| Low | -296 | -3,461 | -687 | -3,148 | 4.013 | 8.839 | -11,307 | -95 | -3,270 | -8,001 | -9,564 |
| 1984--H1gh | 32,155 | 15.653 | 1,296 | 6,854 | 19,525 | 21,046 | 8.272 | 131 | 3,381 | -7,223 | -4 |
| Low | 5,107 | -8,251 | -1,038 | -5,664 | 11,086 | 11,263 | -14.436 | -321 | -986 | -10,679 | -13,053 |
| 1984--Jan. | 12,472 | 10,815 | 1,083 | 667 | 11,398 | 12,788 | -10,846 | -15 | -116 | -7,474 | -5,829 |
| Peb. | 9,287 | 9,658 | 949 | -1,547 | 12,532 | 13,349 | -8,774 | -38 | 23 | -8,192 | -8,673 |
| Mar. | 15,936 | 4,619 | 811 | -2,626 | 16,151 | 12,764 | -1,026 | -10 | 1,042 | -9.552 | -6,236 |
| Apr. | 14,408 | 2,929 | -32 | -1,643 | 16,649 | 13,065 | -2,140 | -13 | 476 | -9,422 | -5,462 |
| May | 14,163 | -7,105 | -291 | -1,754 | 16,849 | 12,525 | 5,511 | -10 | 347 | -9,676 | -2,233 |
| June | 16,483 | -2,631 | -596 | -3,248 | 15,999 | 14,457 | 2,207 | -21 | 1,448 | -9.937 | -1.195 |
| July | 12,355 | -2,382 | -604 | -3.391 | 16,040 | 14,751 | -2,528 | -89 | 2,800 | -9,650 | -2,592 |
| Aug. | 11,499 | 4,542 | -89 | -1,184 | 16,098 | 15,556 | $-7,312$ | -240 | 2,504 | -9,073 | -9,304 |
| Sept. | 17,976 | 10,316 | 310 | 623 | 14,063 | 17,695 | -9.771 | -122 | 2,156 | -8,334 | -8,960 |
| Oct. | 21.955 | 11.649 | 116 | 2.649 | 13,168 | 16,285 | -9,867 | -72 | 2,154 | -8,815 | -5.312 |
| Nov. | 19,123 | 9,712 | -487 | 5,087 | 16,106 | 17,950 | -8,549 | -76 | 539 | -9.229 | -11,991 |
| Dec. | 26,261 | 13.871 | -416 | 4,765 | 18,471 | 19,178 | -11.718 | 59 | -389 | -8,304 | -9,256 |
| 1985-Jan. | 24,043 | 11,629 | -111 | 2,484 | 19,429 | 19,970 | -13,314 | 31 | 703 | -7,046 | -9.669 |
| Feb. | 32,931* | 12,441* | 8514 | 204* | 19,606* | 19,438* | -3,638* | -10* | 2,500* | -8,165* | -10,295* |
| 1984--Dec. 19 | 24,461 | 13,585 | -419 | 3,592 | 18,438 | 18,580 | -12,273 | -10 | -203 |  | -8.522 |
| 26 | 32.155 | 15,653 | -662 | 6.854 | 18,619 | 21,064 | -14,456 | 18 | -709 | -7,137 | -6,487 |
| 1985--Jan. 2 | 34,737 | 13.896 | -253 | 6,479 | 19,166 | 21,423 |  | 3 | -33 | -7.699 | -5,574 |
| 9 | 31,204 | 12.927 | -192 | 6,063 | 19,139 | 21,623 | -13.049 | -53 | -373 | -7,174 | -7.108 |
| 16 | 19,289 | 9.597 | -391 | 2,593 | 18,289 | 19,233 | -14,946 | -39 | 295 | -7,618 | -7.725 |
| 23 | 19,580 | 11,245 | $-6$ | 427 | 18,886 | 18,349 | $-13,635$ | -12 | 1.126 | -6,348 | -10.451 |
| 30 | 23,780 | 12,526 | 100 | 524 | 20,934 | 19,960 | -12,507 | -28 | 1,898 | -6,219 | -13,409 |
| Feb. 6 | 23,453 | 12,201 | 357 | -787 | 21,007 | 21.649 | -9,562 | -18 | 1,856 | -7,683 | -14,566 |
| 13 | 24,432 | 10.506 | 113 | 32 | 20.007 | 19,624 | -6,835 | -27 | 2,953 | -8,169 | -14,372 |
| 20 | 31,038 | 12,711 | 851 | 218 | 18,846 | 19,523 | -3,049 | -11 | 2,225 | -8,243 | -12,094 |
| 27 | 45,027* | 13,495* | 1,132* | 996* | 18,803* | 18,434* | 1.568* | -1* | 2,644* | -8,255* | -3,790* |
| Mar. 6 | 53,395* | 14,297* | 2,119* | -1,789* | 20,157* | 18,483* | 3,809* | 19* |  |  |  |
| 13 | 51,824* | 14,672* | 1,750* | -4,970* | 20,366* | 16,182* | 2,769* | -6* | 4,405* | $-8,818 *$ $-8,750$ | 1,471* |
| 20 | 44,961* | 13,797* | 1,155* | -6,687* | 19,361* | 14,585* | 2,127 ${ }^{\text {a }}$ | -25* | 4,649* | -8,311* | 4,310* |

MOTE: Government securtios dealer cath poations consist of securtios alroady dellvered. com-
mitments to buy (bell) securities on an outright basis for immediate dalivery ( 5 business days or less).
and certain "when-lasued" securitise for delayed dellvery (more than 5 business daya). Futures and for
ward positions include all other commitiments involving delayed delivery; futures contracts are arrang.
ed on organized oxchanges.

1. Cash plus formard plus futures positions in Treasury, federal agency, and privale short-term

- Stricily conficantial

Millions of dollars, not seasonally adjusted

| Period | Treasury blils net change ${ }^{2}$ | Treasury coupons net purchases ${ }^{3}$ |  |  |  |  | Federal agencies net purchases ${ }^{4}$ |  |  |  |  | $\begin{aligned} & \text { Net change } \\ & \text { outright } \\ & \text { holdings } \\ & \text { totals } \end{aligned}$ | Net RPs ${ }^{\text {b }}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | within <br> 1-year | $1-5$ | 5-10 | over 10 | total | within 1-year | 1-5 | 5-10 | over 10 | total |  |  |
| 1980 | -3,052 | 912 | 2,138 | 703 | 811 | 4,564 | 217 | 298 | 29 | 24 | 668 | 2,035 | 2,462 |
| 1981 | 5,337 | 294 | 1,702 | 393 | 379 | 2,768 | 133 | 360 | -- | -- | 494 | 8,491 | 684 |
| 1982 | 5,698 | 312 | 1,794 | 388 | 307 | 2,803 | -- | -- | -- | -- | -- | 8,312 | 1,461 |
| 1983 | 13,068 | 484 | 1,896 | 890 | 383 | 3,653 | -- | -- | -- | -- | -- | 16,342 | -5,445 |
| 1984 | 3,779 | 826 | 1,938 | 236 | 441 | 3,440 | -- | -- | -- | -- | -- | 6,964 | 1,450 |
| 1983--QTR. III | 4,617 | 156 | 481 | 215 | 124 | 975 | -- | -- | -- | -- | -- | 5,439 | 9,412 |
| IV | 4,738 | 155 | 820 | 349 | 151 | 1,474 | -- | -- | -- | -- | -- | 6,120 | -10,739 |
| 1984--QTR. I | -1,168 | - | -- | -300 | -- | -300 | -- | -- | -- | -- | -- | -1,555 | -286 |
| 11 | 491 | 198 | 808 | 200 | 277 | 1,484 | -- | -- | -- | -- | -- | 1,918 | 70 |
| III | -424 | 600 | -- | -- | -- | 600 | -- | -- | -- | -- | -- | 169 | 1,982 |
| IV | 4,880 | 28 | 1,130 | 335 | 164 | 1,657 | -- | -- | -- | -- | -- | 6,432 | -316 |
| 1984--Sept. | 3,178 | 600 | -- | -- | -- | 600 | -- | -- | -- | -- | -- | 3,717 | -2,312 |
| Oct. | -2,993 | -300 | 300 | -- | -- | -- | -- | -- | -- | -- | -- | -3,007 | -3,805 |
| Nov. | 4,463 | 146 | 830 | 335 | 164 | 1,475 | -- | -- | -- | -- | $\cdots$ | 5,848 | 3,612 |
| Dec. | 3,410 | 182 | -- | -- | -- | 182 | -- | -- | -- | -- | -- | 3,591 | -123 |
| 1985--Jan. | -4,268 | -- | -100 | -- | -- | -100 | -- | -- | -- | -- | -- | -4,368 | -2,315 |
| Feb. | 2,362 | -- | -- | -- | -- | -- | -- | -- | -- | -- | $-17$ | 2,345 | 3,095 |
| 1984--Dec. 19 | 371 | 112 | -- | -- | -- | 112 | -- | -- | -- | -- | -- | 482 | 351 |
| 26 | 234 | -- | -- | -- | -- | -- | -- | -- | -- | - | -- | 234 | 2,059 |
| 1985-Jan. 2 | 285 | 70 | -- | -- | -- | 70 | -- | -- | -- | -- | -- | 355 | 4,791 |
| 9 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -5,865 |
| 16 | -931 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -931 | 3,528 |
| 23 | -2,158 | -- | -100 | -- | -- | -100 | -- | -- | -- | -- | -- | -2,258 | -5,120 |
| 30 | -630 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -630 | 18 |
| Feb. 6 | -584 | -- | -- | -- | -- | -- | $\rightarrow$ | -- | -- | -- | -- | -584 | 727 |
| 13 | -374 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -17 | -392 | 2,464 |
| 20 | 341 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 341 | 383 |
| 27 | 2,128 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 2,128 | -5,003 |
| Mar. 6 | 801 | 961 | 465 | -- | -- | 1,426 | -- | -- | -- | -- | -- | 2,227 | 2,507 |
| 13 | -1,054 | -- | -- | -- | -- | - | -- | -- | -- | -- | -70 | -1,054 | 974 |
| 20 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -1,287 |
| LEVEL--Mar. 21 | 69.3 | 17.0 | 37.3 | 14.5 | 20.7 | 89.5 | 2.6 | 4.2 | 1.3 | . 4 | 8.4 | 170.3 | -2.6 |

## 1 Change from end-of period to end of period.

2 Outright transactions in market and with foreign accounts, and redemptions ( - ) in bill auctions
3 Outright transactions in market and with foreign accounts, and short-term notes acquired in exchange for maturing bills. Excludes redemptıons, maturity shifts, rollovers of maturing coupon issues, and direct Treasury borrowing from the System.
4 Outright transactions in market and with foreign accounts only. Excludes redemptions and maturity shifts.

5 In addition to the net purchases of securities, also reflects changes in System holdings of bankers acceptances, direct Treasury borrowing from the System and redemptions (-) of agency and Trea sury coupon issues.
6 Includes changes in RPs $(+)$, matched sale-purchase transactions ( - ), and matched purchase sale transactions ( + ).


[^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 optimal 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.

