## Chapter 1

## Mutual Fund Developments in 1997

The U.S. economy in 1997 once again provided a favorable setting for mutual funds. During the seventh year of the nation's economic expansion, the unemployment rate fell to its lowest level since 1973, the core rate of inflation dropped to a 30 -year low, and corporate earnings were strong. In financial markets, short-term interest rates changed little, long-term rates declined, and stock prices posted strong gains for the third consecutive year.

Assets in mutual funds increased 27 percent-to $\$ 4.5$ trillion-in 1997, the third consecutive year of more than 25 percent growth. Investment performance-unrealized capital gains and reinvested distributions-accounted for 56 percent of the increase. Most of the growth was attributable to higher stock prices; in fact, about 80 percent of the investment performance of all funds was concentrated in equity funds and

Assets of Mutual Funds
(billions of dollars)


Components of Mutual Fund Asset Growth
(trillions of dollars)

*Newly reporting funds are excluded from the calculation of fund performance and net new cash flow during the month in which they are introduced to the Investment Company Institute data base.
Note: See page 106 for data points on this chart.
hybrid funds investing in both stocks and bonds.

New investments by mutual fund owners, or net new cash flow, rose for the third straight year to a record $\$ 378$ billion, as all three main fund categories-equity, bond and income, and money mar-ket-experienced heavier inflows for the year.

## EQUITY FUNDS

Assets in equity funds increased 37 percent in 1997 to $\$ 2.399$ trillion. The performance of these funds accounted for about three-fifths of the increase in assets. Equity funds
posted a record $\$ 231$ billion in net new cash flow in 1997, topping the 1996 record of $\$ 222$ billion. As a percentage of the 1996 yearend assets, however, the net inflow was at the lowest level since 1990. Stock fund inflows were supported throughout 1997 by higher stock prices and by the ongoing shift of household assets away from direct ownership of equities to indirect ownership through mutual funds. Market sell-offs in March, August and late October temporarily slowed stock fund inflows.

Domestic funds. Domestic equity funds-U.S. mutual funds

Net New Cash Flow to Mutual Funds
(billions of dollars)


Net New Cash Flow to Equity Funds
(percent of previous year-end assets)

investing mainly in U.S. stocksregistered a $\$ 193.3$ billion inflow in 1997, up from $\$ 175$ billion in 1996. Growth and income funds led the way, posting a record inflow of $\$ 88$ billion. These more conservative stock funds captured 45 percent of all domestic stock fund inflows in 1997, up from 37 percent in 1996. The shift toward growth and income funds and away from higher-risk aggressive growth funds continued a movement that began in mid-1996.

Over this period, investors generally favored stocks of large U.S. companies, largely the investment domain of growth and income funds. As a group, these stocks
outperformed those of smaller U.S. companies in both 1996 and 1997.

Foreign funds. Net inflow to international and global funds slowed to $\$ 38$ billion last year from $\$ 46$ billion in 1996, as turmoil during the second half of the year in Asian and Latin American financial markets damped inflows to international and global funds generally and led to outflows from emerging market funds. Robust inflows to emerging market funds during the first half of the year, however, enabled these funds to post a net inflow of $\$ 2.0$ billion for the year, down from $\$ 4.1$ billion in 1996.

Net New Cash Flow to Equity Funds, 1997
(billions of dollars)


## Net New Cash Flow to Equity Funds by Investment Objective

(billions of dollars)

|  | Domestic |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Year | Aggressive Growth | Growth | Growth \& Income | Income | Total | Foreign | Total | Total Assets |
| 1984 | 1.1 | 0.6 | 1.4 | 1.8 | 4.9 | 0.9 | 5.9 | 83.1 |
| 1985 | 1.4 | 0.2 | 2.7 | 3.4 | 7.7 | 0.8 | 8.5 | 116.9 |
| 1986 | 1.6 | 1.6 | 9.2 | 5.3 | 17.7 | 4.2 | 21.9 | 161.5 |
| 1987 | 3.6 | 3.9 | 9.5 | 2.7 | 19.6 | -0.6 | 19.1 | 180.7 |
| 1988 | -2.9 | -4.4 | -5.2 | -1.3 | -13.8 | -2.4 | -16.2 | 194.8 |
| 1989 | 0.8 | -0.9 | 4.1 | 0.6 | 4.6 | 1.2 | 5.8 | 249.0 |
| 1990 | 0.5 | 3.3 | 2.9 | -0.4 | 6.3 | 6.5 | 12.8 | 245.8 |
| 1991 | 8.7 | 14.0 | 12.5 | 1.2 | 36.4 | 3.2 | 39.5 | 411.6 |
| 1992 | 13.4 | 24.9 | 27.3 | 6.4 | 72.1 | 7.0 | 79.2 | 522.8 |
| 1993 | 20.6 | 21.6 | 34.0 | 14.8 | 91.1 | 38.5 | 129.6 | 749.0 |
| 1994 | 25.3 | 22.3 | 19.4 | 8.4 | 75.4 | 43.9 | 119.3 | 866.4 |
| 1995 | 35.7 | 36.9 | 37.0 | 7.0 | 116.5 | 11.7 | 128.2 | 1,269.0 |
| 1996 | 55.5 | 46.2 | 65.0 | 8.6 | 175.3 | 46.3 | 221.6 | 1,750.9 |
| 1997 | 36.6 | 57.4 | 87.5 | 11.9 | 193.3 | 37.7 | 231.1 | 2,399.3 |

Note: Aggressive growth funds include precious metal funds; income funds include income-equity and option-income funds; and foreign funds include global funds and international funds.

BOND AND INCOME FUNDS
Assets in bond and income funds rose 16 percent in 1997 to a record \$1.031 trillion. About two-thirds of the increase resulted from fund performance, and most of the remaining increase represented a net inflow of $\$ 44.5$ billion, the highest since 1993 and well above the $\$ 12.6$ billion net inflow in 1996.

Interest rate movements and net
flows. The increase in net flow to bond and income funds last year primarily resulted from lower longterm interest rates in the bond market. After rising through early spring, long-term rates declined 1.30 percentage points by yearend. In the past, bond funds have experienced the heaviest net inflows during periods of falling interest rates, and last year proved

Yield on the 30 -year Bond and Net New Cash Flow to Bond Funds, 1997


Note: See page 106 for data points on this chart.
Source: Bloomberg and Investment Company Institute

| Year | Hybrid | Net New Cash Flow to Bond $\mathcal{C}$ Income Funds |  |  |  |  |  |  | Total Assets |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | U.S. Government and GNMA | Global | Corporate Bond | Highyield | IncomeBond | Municipal | Total |  |
| 1984 | 0.3 | 7.4 | (0.0) | 0.2 | 1.2 | (0.0) | 4.3 | 13.3 | 54.0 |
| 1985 | 2.0 | 42.8 | 0.0 | 0.9 | 4.4 | 1.2 | 13.9 | 65.2 | 134.8 |
| 1986 | 5.9 | 57.5 | 0.4 | 3.5 | 9.6 | 3.5 | 28.2 | 108.6 | 262.6 |
| 1987 | 4.1 | 2.9 | 0.7 | 0.6 | 0.6 | 1.1 | 0.9 | 10.9 | 273.2 |
| 1988 | (2.5) | (13.7) | 0.6 | (0.2) | 3.2 | 0.5 | 5.1 | (7.0) | 277.5 |
| 1989 | 4.3 | (12.8) | (0.1) | 0.8 | (2.9) | 1.7 | 12.0 | 3.1 | 304.8 |
| 1990 | 2.3 | (7.7) | 5.6 | 0.2 | (5.1) | 3.2 | 9.9 | 8.5 | 322.7 |
| 1991 | 8.3 | 17.4 | 10.2 | 3.0 | 1.8 | 5.2 | 21.2 | 67.2 | 441.4 |
| 1992 | 22.7 | 29.8 | (2.8) | 4.5 | 4.6 | 6.6 | 28.4 | 93.7 | 577.3 |
| 1993 | 40.4 | 6.1 | 4.5 | 4.3 | 8.6 | 11.5 | 38.3 | 113.7 | 761.1 |
| 1994 | 21.1 | (39.9) | (4.5) | (1.6) | (0.7) | (2.3) | (15.5) | (43.4) | 684.0 |
| 1995 | 5.7 | (13.9) | (4.4) | 2.0 | 8.1 | 4.7 | (7.0) | (4.8) | 798.3 |
| 1996 | 10.4 | (13.8) | (0.9) | 2.4 | 12.3 | 8.6 | (6.3) | 12.6 | 886.5 |
| 1997 | 20.0 | (9.8) | (1.1) | 1.0 | 16.8 | 17.1 | 0.5 | 44.5 | 1,031.5 |

no exception. Bond fund inflows averaged $\$ 3.1$ billion per month between May and December when interest rates were declining, compared with outflows of $\$ 176$ million per month in the first four months when rates were rising.

Bond and income fund inflows in 1997 were also helped by the $\$ 9.5$ billion in bank common trust fund conversions. The largest conversions occurred in August and November, amounting to $\$ 3.3$ billion and $\$ 4.4$ billion, respectively. Smaller-sized conversions, ranging between $\$ 400$ million and $\$ 600$ million, took place in January, February and April.

The substantial increase in stock market volatility in August and during the fourth quarter of 1997 appeared to have little effect on net flows to bond and income funds. The vast majority of the net inflows to bond and income funds were concentrated among hybrid funds, high-yield bond funds and income-bond funds. These three were among the higher-risk groups of bond and income funds as well as among the better-performing groups. In contrast, the more conservative U.S. Government and Ginnie Mae bond funds continued to post net outflows over the last half of the year, although the pace of net redemptions slowed.

## MONEY MARKET FUNDS

Assets in money market funds increased $\$ 157$ billion, or 17 percent, in 1997 to a record $\$ 1.059$ trillion. Most of the increase in assets came from a record $\$ 102$ billion in net new cash flow, which surpassed the previous record of \$91 billion in 1981.

Retail funds. The net inflow to retail money funds - those offered primarily to individuals with smallsized accounts - remained strong last year. Net inflows were supported by a further widening in the already appreciable gap between yields on retail money funds and on bank and thrift saving deposits.

As with bond funds, money fund net flows were not much affected by stock market volatility in the fourth quarter. The pickup in net flow in October, November and early December was in line with normal increases associated with the seasonal buildup in household cash balances in advance of December holiday expenditures.

Institutional funds. The net inflow to institutional money funds-those held primarily by businesses, governments, institutional investors, and high-net worth households-rose for the third straight year to $\$ 46.7$ billion in 1997. The strength in institutional net flow was due in part to

## Interest Rate Changes and Net New Cash Flow to Bond Funds* (percent)


*Net new cash flow is shown as a percentage of the previous month's outstanding assets. Interest rate changes are year-over-year changes in the constant maturity yield on the three-year Treasury note.
Note: See page 107 for data points on this chart.
Source: Federal Reserve Board and Investment Company Institute

| Year | Net New Cash Flow to Retail and Institutional Money Market Funds <br> (billions of dollars) |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Taxable | Tax-exempt | Total | Taxable | Tax-exempt | Total | Total Taxable | Total Tax-exempt | Total | Total Assets |
| 1984 | 12.3 | 5.0 | 17.3 | 17.0 | 1.0 | 18.0 | 29.2 | 5.9 | 35.1 | 233.6 |
| 1985 | -12.9 | 8.5 | -4.4 | -2.9 | 2.0 | -0.9 | -15.9 | 10.5 | $-5.4$ | 243.8 |
| 1986 | 3.3 | 17.6 | 20.9 | 5.7 | 7.2 | 12.9 | 9.0 | 24.8 | 33.9 | 292.2 |
| 1987 | 6.7 | -3.0 | 3.7 | 6.3 | 0.2 | 6.5 | 13.1 | -2.9 | 10.2 | 316.1 |
| 1988 | 4.1 | 2.0 | 6.1 | -5.6 | -0.4 | -6.0 | -1.5 | 1.6 | 0.1 | 338.0 |
| 1989 | 51.1 | 3.5 | 54.6 | 11.5 | -2.0 | 9.5 | 62.5 | 1.5 | 64.1 | 428.1 |
| 1990 | 4.2 | 4.5 | 8.7 | 13.1 | 1.2 | 14.3 | 17.4 | 5.8 | 23.2 | 498.4 |
| 1991 | 4.2 | -1.0 | 3.2 | 0.2 | 2.0 | 2.2 | 4.4 | 1.1 | 5.5 | 542.4 |
| 1992 | -27.9 | 3.0 | -24.9 | 7.5 | 1.1 | 8.6 | -20.5 | 4.2 | -16.3 | 546.2 |
| 1993 | -14.5 | 3.8 | -10.7 | -4.6 | 1.2 | -3.4 | -19.1 | 5.0 | -14.1 | 565.3 |
| 1994 | 22.1 | 1.6 | 23.7 | -14.3 | -0.7 | -15.0 | 7.9 | 0.9 | 8.8 | 611.0 |
| 1995 | 56.7 | 6.4 | 63.1 | 25.4 | 0.9 | 26.3 | 82.1 | 7.3 | 89.4 | 753.0 |
| 1996 | 49.2 | 7.5 | 56.7 | 30.0 | 2.7 | 32.7 | 79.2 | 10.2 | 89.4 | 901.8 |
| 1997 | 45.4 | 9.7 | 55.1 | 41.3 | 5.6 | 46.9 | 86.7 | 15.3 | 102.0 | 1,058.9 |

Interest Rate Spread and Net New Cash Flow to Retail Money Market Funds* (percent)


*Net new cash flow is a percentage of retail money market fund assets and is shown as a six-month moving average. The interest rate spread is the difference between the taxable money market fund yield and the average interest rate on savings deposits; the series is plotted with a six-month lag.
Note: See page 111 for data points on this chart.
Source: IBC Financial Data Inc., Federal Reserve Board, and Investment Company Institute
the ongoing outsourcing of cash management services to money market funds by businesses, municipalities and pension funds.

## STOCK MARKET VOLATILITY IN OCTOBER

Sparked by extreme weakness in Asian financial markets, the Dow Jones Industrial Average posted its largest one-day point drop of 554 points on October 27, 1997. Coupled with declines over the two previous trading days, the cumulative loss amounted to 10.9 percent-the largest three-day decline since October 1987. The
U.S. stock market also experienced its widest price swings in a decade.

The response of equity mutual fund owners to the sell-off in U.S. stock markets was limited and brief. Net inflows to domestic stock funds were strong through the first three weeks of October but slackened with the onset of the decline in stock prices on October 23. The net flow turned slightly negative on October 27, amounting to no more than one-tenth of 1 percent of domestic stock fund assets. On the following day, net inflows returned with the

Average Annual Redemption Rate for Long-term Mutual Funds
(percent of average assets)

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Note: See page 115 for data points on this chart.

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Net Flow to Equity Funds, 1944-1995*
(monthly, six-month moving average)
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*Shaded regions represent contraction phase of stock market cycle.
recovery in stock prices and continued thereafter.

The late October turmoil in overseas markets, especially those in Asia, had a more lasting effect on foreign stock funds. After starting the month on a strong note, the net flow to these funds turned negative with the sell-off in Asian markets and continued so in November and December. The magnitude of the net outflow was small, however, cumulating during these two months to less than 0.4 percent of foreign fund assets.

A survey of individual mutual fund owners taken in late

November and early December likewise pointed to a limited response to October's market developments. Awareness of the market decline on October 27 was widespread among fund owners; 56 percent of the survey respondents indicated knowing of the sell-off as it occurred, and another 23 percent learned of the drop that evening. Nonetheless, only 7 percent of respondents conducted a stock fund transaction in response to market volatility, with more than half having made the trade after October 28. The majority of those conducting a transaction purchased rather than redeemed stock fund shares, including those
engaging in transactions on
October 27.
The reaction in October 1997 is consistent with prior analyses of shareholder behavior in periods of securities market volatility. An ICI analysis covering more than 50 years, for example, found no evidence of a shareholder run on mutual funds, despite 14 major
stock market contractions and several sharp sell-offs in the stock market. Even the severe market break of October 19, 1987 failed to trigger substantial outflows from mutual funds, according to the study (see the sidebar below for more specific historical findings related to shareholder behavior during market corrections).

## Historical Findings on Shareholder Reaction to Market Volatility

Investment Company Institute (ICI) studies suggest that the shareholder response to movements in stock prices is spread out over time. The rate of redemptions generally has remained unchanged or declined slightly during bear markets, and does not rise until the bear market has ended and stock prices have begun to recover.

Over the years, ICI research noted several specific findings about mutual fund shareholders and their reactions to market volatility:

- The largest net outflow within a short period occurred during and immediately after the October 1987 stock market break (only 4.5 percent of total equity fund assets).
- An estimated 95 percent of stock fund owners did not redeem shares immediately after the 1987 stock market break.
- The responses of shareholders to other sharp drops in stock prices since 1945 were considerably more restrained than the mild reaction in 1987.
- The vast majority of shareholders are not new to investing in either mutual funds or individual stock and bonds. The typical mutual fund shareholder has invested in mutual funds for about 10 years.
- Shareholder response to the October 1997 stock market break was considerably more restrained than during the 1987 stock market break.


# Net Flow to Equity Funds During Stock Market <br> Expansions and Contractions, 1944-1990* <br> (percent of assets) 


*For stock market expansions, net flow is expressed as a percentage of assets at trough; for stock market contractions, net flow is expressed as a percentage of assets at peak.

## Chapter 2

## What Is a Mutual Fund?

A mutual fund is an investment company that pools money from shareholders and invests in a diversified portfolio of securities. An estimated 66 million Americans in 37 million households own mutual fund shares.

THREE BASIC TYPES OF MUTUAL FUNDS

There are three basic types of mutual funds: stock (also called equity), bond and income, and money market. Money market
funds are referred to as short-term funds because they invest in securities that generally mature in about one year or less, while stock and bond and income funds are known as long-term funds. Of the total $\$ 4.490$ trillion invested in mutual funds at the end of 1997, \$2.399 trillion was invested in stock funds, $\$ 1.032$ trillion in bond and income funds, and $\$ 1.060$ trillion in money market funds.

An investor in a mutual fund is a shareholder who buys shares of

Number of Mutual Funds


## How Mutual Fund Assets Are Invested <br> (year-end 1997)


the fund. Each share represents proportionate ownership in all the fund's underlying securities. The securities are selected by a professional investment adviser to meet a specified financial goal, such as growth or income.

Because funds invest in securities that rise and fall in value, an investor assumes investment risk, including the possible loss of principal. Unlike bank deposits, mutual funds are not insured or guaranteed by the Federal Deposit Insurance Corporation or any other government agency, nor are they guaranteed by any bank or other financial institution-no matter how or where their shares are sold. Of course, there is also an upside to investment risk. Generally speaking, the greater the
investment risk, the greater the potential reward.

PROFESSIONAL MANAGEMENT

The money accumulated in a mutual fund is managed by professionals who decide on behalf of shareholders on an investment strategy. These professionals choose investments that best match the fund's objectives as described in the prospectus. Their investment decisions are based on extensive knowledge and research of market conditions and the financial performance of individual companies and specific securities. As economic conditions change, the fund may adjust the mix of its investments to adopt a more aggressive or a more defensive posture to meet its investment objective.

## Types of Equity Mutual Funds

Aggressive Growth Funds seek maximum capital growth; current income is not a significant factor. These funds invest in stocks out of the mainstream, such as new companies, companies fallen on hard times, or industries temporarily out of favor. They may use investment techniques involving greater-than-average risk.
Growth Funds seek capital growth; dividend income is not a significant factor. They invest in the common stock of well-established companies.
Growth and Income Funds seek to combine long-term capital growth and current income. These funds invest in the common stock of companies whose share values have increased and that have displayed a solid record of paying dividends.
Precious Metals/Gold Funds seek capital growth. Their portfolios are invested primarily in securities associated with gold and other precious metals.
International Funds seek growth in the value of their investments. Their portfolios are invested primarily in stocks of companies located outside the U.S.
Global Equity Funds seek growth in the value of their investments. They invest in stocks traded worldwide, including the U.S.
Income-Equity Funds seek a high level of income by investing primarily in stocks of companies with good dividend-paying records.

## Types of Bond and Income Mutual Funds

Flexible Portfolio Funds allow their money managers to anticipate or respond to changing market conditions by investing in stocks or bonds or money market instruments, depending on economic changes.
Balanced Funds generally seek to conserve investors' principal, pay current income, and achieve long-term growth of principal and income. Their portfolios are a mix of bonds, preferred stocks and common stocks.
Income-Mixed Funds seek a high level of income. These funds invest in income-producing securities, including both stocks and bonds.
Income-Bond Funds seek a high level of current income. These funds invest in a mix of corporate and government bonds.
U.S. Government Income Funds seek current income. They invest in a variety of government securities, including Treasury bonds, federally guaranteed mortgage-backed securities, and other government notes.
GNMA (Ginnie Mae) Funds seek a high level of income. The majority of their portfolios is invested in mortgage securities backed by the Government National Mortgage Association (GNMA).
Global Bond Funds seek a high level of income. These funds invest in debt securities of companies and countries worldwide, including the U.S.

## continued from previous page

Corporate Bond Funds seek a high level of income. The majority of their portfolios is invested in corporate bonds, with the balance in U.S. Treasury bonds or bonds issued by a federal agency.
High-yield Bond Funds seek very high yield, but carry a greater degree of risk than corporate bond funds. The majority of their portfolios is invested in lower-rated corporate bonds.
National Municipal Bond Funds-Long-term seek income that is not taxed by the federal government. They invest in bonds issued by states and municipalities to finance schools, highways, hospitals, bridges and other municipal works.
State Municipal Bond Funds-Long-term seek income that is exempt from both federal tax and state tax for residents of that state. They invest in bonds issued by a single state.

## Types of Money Market Mutual Funds

Taxable Money Market Funds seek to maintain a stable net asset value. These funds invest in the short-term, high-grade securities sold in the money market, such as Treasury bills, certificates of deposit of large banks and commercial paper. The average maturity of their portfolios is limited to 90 days or less.
Tax-exempt Money Market Funds-National seek income that is not taxed by the federal government with minimum risk. They invest in municipal securities with relatively short maturities.
Tax-exempt Money Market Funds-State seek income that is exempt from both federal tax and state tax for residents of that state. They invest in municipal securities with relatively short maturities issued by a single state.

## DIVERSIFICATION

Fund managers typically invest in a variety of securities, seeking portfolio diversification. A diversified portfolio helps reduce risk by offsetting losses from some securities with gains in others. The average investor would find it expensive and difficult to construct a portfolio as diversified as that of a mutual fund. Mutual funds provide an economical way for the average investor to obtain the same kind of
professional money management and diversification of investments that is available to large institutions and wealthy investors.

## A VARIETY OF FUND INVESTMENTS

There are more than 6,700 mutual funds representing a wide variety of investment objectives, from conservative to aggressive, and investing in a wide range of securities. The Investment Company Institute
classifies mutual funds into 21 broad categories according to their basic investment objective (see pages 18-19). There are also specialty or sector funds that invest primarily in a specialized segment of the securities markets. Specialty funds include biotechnology funds, small-company growth funds, index funds, funds that invest in other mutual funds, and social criteria funds. The broad selection of funds arose over the years to meet consumer demand for fund products that help meet a variety of financial objectives.

## MUTUAL FUND SHARE PRICING

Mutual funds are required by law to determine the price of their shares each business day. A fund's net asset value (NAV) per share is the current value of all the fund's assets, minus liabilities, divided by the total number of shares outstanding (see illustration below).

A fund's share price, or offering price, is its NAV per share plus any applicable front-end sales charge (the offering price of a fund without a sales charge would be the same as its NAV per share).

The NAV must reflect the current market value of the fund's securities, as long as market quotations for those securities are readily available. Other assets should be priced at fair value, determined in good faith by a fund's board of directors. The Investment Company Act of 1940 requires "forward pricing": shareholders purchasing or redeeming shares receive the next computed share price following the fund's receipt of the transaction order.

Any income and expenses (including any fees) must be accrued through the date the share price is calculated. Changes in holdings and in the number of shares must be reflected no later

How a Fund Determines Its Share Price
Mutual Fund X owns a portfolio of stocks worth $\$ 6$ million dollars; its liabilities are $\$ 60,000$; its shareholders own 500,000 shares.

| Fund Share Price or |
| :---: |
| Net Asset Value (NAV) |
| $\$ 11.88$ |$=\frac{$|  Market Value in Dollars of a Fund's Securities  |
| :---: |
|  Minus Its Liabilities $(\$ 6,000,000-\$ 60,000)$ |}{Number of Investor Shares Outstanding} | $(500,000)$ |
| :--- |

Fund share prices appear in the financial pages of most major newspapers (see page 22).
A fund's share price can also be found in its semi-annual and annual reports.
than the first calculation of the share price on the next business day.

Funds typically value exchangetraded securities using the most recent closing prices from the exchange on which the securities are principally traded, even if the exchange closes before the fund's daily pricing time (which occurs with many foreign securities). If a material event that will likely affect the value of a security occurs after the exchange closed and before the fund's share price is determined, it may be necessary to determine the
fair value of the security in light of that event.

Pricing process. Mutual fund pricing is an intensive process that takes place in a short time frame at the end of each business day. Generally, a fund's pricing process begins at the close of the New York Stock Exchange, normally 4:00 p.m. Eastern time. Fund accounting agents internally validate the prices received by subjecting them to various control procedures. For example, depending on the nature and extent of its holdings, a fund may use more than one pricing service to ensure accuracy.

Dividends and Reinvestment for All Types of Mutual Funds (billions of dollars)

| Year | Investment <br> Income Dividends | Reinvested <br> Dividends | Percent <br> Reinvested |
| :--- | :---: | :---: | :---: |
| 1980 | 10.4 | 8.5 | 81.3 |
| 1981 | 21.7 | 19.7 | 91.7 |
| 1982 | 25.8 | 22.9 | 88.8 |
| 1983 | 18.8 | 15.7 | 83.5 |
| 1984 | 23.7 | 18.4 | 77.6 |
| 1985 | 28.9 | 20.4 | 70.6 |
| 1986 | 35.8 | 25.5 | 71.2 |
| 1987 | 47.4 | 30.9 | 65.2 |
| 1988 | 52.6 | 33.2 | 63.1 |
| 1989 | 62.7 | 43.6 | 69.5 |
| 1990 | 63.0 | 47.5 | 75.4 |
| 1991 | 64.0 | 47.1 | 73.6 |
| 1992 | 79.5 | 45.1 | 56.7 |
| 1993 | 92.5 | 49.9 | 53.9 |
| 1994 | 85.2 | 56.1 | 65.8 |
| 1995 | 104.5 | 74.9 | 71.7 |
| 1996 | 116.2 | 85.1 | 73.2 |
| 1997 | 128.7 | 96.9 | 75.3 |


| Apzbc: |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Axyte | 9.95 | 10.73 |  | How to Read |
| Bxy Xer | 10.37 | 11.33 | -. 01 |  |
| Dar Rppe | 7.38 | 8.07 | +. 09 | Newspaper Fund Quotes |
| Income- | 3.16 | 3.45 | +. 01 |  |
| Tbq Ratl | 9.97 | 10.47 | +. 01 |  |
| Tbqr Dt | 10.19 | 1070 | -. 02 | The following is an example of how mutual fund tables appear in many newspapers. |
| Brlkd: many newspapers. |  |  |  |  |
| Blgr Dfr | 15.6 | 16.46 | -. 03 | The first column is the abbreviated fund's name. Several funds listed under a single heading indicate a family of funds. |
| Bmo Pnc | 8.54 | N.L. | -. 06 |  |
| Bto Bmd | 7.27 | 7.65 |  |  |
| Cmyog: |  |  |  |  |
| MIA p | 11.86 | 12.79 | +. 01 | The second column is the Net Asset Value (NAV) per share as of the close of the preceding business day In some news- |
| MIX | 11.44 | 12.33 | +. 03 |  |
| MIY p | 9.70 | 10.46 | -. 01 | papers, the NAV is identified as the sell or the bid price- |
| MBF | 11.58 | 12.49 | +. 04 | the amount per share you would receive if you sold your |
| MBI MBR | 14.18 11.99 | 15.92 12.93 | +.20 +.03 | shares (less the deferred sales charge, if any). Each mutual fund determines its net asset value every business day by |
| MRI | 10.01 | 10.79 | -. 02 |  |
| MII | 7.66 | 8.26 | +. 02 | dividing the market value of its total net assets, less liabili- |
| MDX | 10.00 | 10.50 | ... | ties, by the number of shares outstanding. On any given day, you can determine the value of your holdings by multiplying |
| DMX r | 9.74 | 10.23 |  |  |
| GYI | 6.93 | 7.47 | -. 03 | the NAV by the number of shares you own. |
| JAM | 13.47 | 14.18 | -. 04 |  |
| JEL | 10.09 | 10.59 | . 06 | The third column is the offering price or, in some papers, the buy price or the asked price - the price you would pay if you purchased shares. The buy price is the NAV plus any sales charges. If there are no initial sales charges, an "NL" for no- |
| MTNC | 10.25 | 10.76 | -. 02 |  |
| MPRS r | 10.12 | 10.62 | +. 02 |  |
| Jellies | 20.33 | N.L. | +. 01 |  |
| Drxpg: charges. If there are no initial sales charges, an "NL for no- |  |  |  |  |
| Bakc Jau | 8.19 | 8.53 | -. 01 | load appears in this column, and the buy price is the same as the NAV. To figure the sales charge percentage, divide the |
| Cryl Ba | 20.68 | 22.12 | +. 05 |  |
| Gryd 3 | 12.10 | 12.60 | -. 04 | difference between the NAV and the offering price by the offering price. Here, for instance, the sales charge is 5 percent $(\$ 14.18-\$ 13.47=\$ 0.71 ; \$ 0.71 \div \$ 14.18=0.050)$. |
| Frp Dur p | 9.80 | 10.45 | -. 11 |  |
| Fye Pmp | 12.61 15.45 | ${ }_{16.52}^{\text {N.L. }}$ |  |  |
| Hy Finc | 15.45 | 16.52 | +. 06 |  |
| Hx Papie | 10.96 | 11.42 | -.06 | The fourth column shows the change, if any, in net asset value from the preceding day's quotation-in other words, the change over the most recent one-day trading period. This fund, for example, gained six cents per share. |
| Lerl Eiy t | 10.02 | 10.95 | +. 02 |  |
| Jxt RP | 10.90 | 11.12 | -. 04 |  |
| Lante | 12.01 | 13.14 | -. 02 |  |
| Mina Si | 7.36 | 7.67 | -. 01 |  |
| Msalt p- | 956 | 9.96 | +. 01 |  |
| Nuz Bai | 9.85 | 9.95 |  | 年lowing the abbreviated name of the fund denoter |
| Oceana | 16.49 | 17.64 | +. 12 | fund that charges an annual fee from assets for marketing |
| Grxya | 15.30 | N.L. | +. 04 |  |
| Gsrxab r | 12.96 | N.L. | -. 04 | and distribution costs, also known as a 12b-1 plan (namedafter the 1980 Securities and Exchange Commission rule that |
| Hilt Itd | 10.54 | N.L. | -. 02 |  |
| Holprer | 8.40 | N.L. | -. 02 | permits them). |
| Hprl Rd | 13.58 | N.L. | +. 07 |  |
| Nev Sra | 16.65 | N.L. | -. 01 | If the fund name is followed by an "r," the fund has either a contingent deferred sales charge (CDSC) or a redemption fee. A CDSC is a charge if shares are sold within a certain period; a redemption charge is a fee applied whenever shares are sold. |
| Ow Nort r- | 13.53 | N.L. | +. 17 |  |
| Sys Run | 5.08 | N.L. | +. 01 |  |
| Tqr Hyd | 8.73 | N.L. | +. 02 |  |
| Tuir IS | 10.26 | N.L. | -. 03 |  |
| Tvsa Ei | 5.11 | N.L. | +. 01 |  |
| Veers $\mathrm{Y}_{\mathrm{r}}$ | 9.49 | 9.87 | +. 07 |  |
| Fdrlk: $\longrightarrow \mathrm{A}^{\prime \prime} \mathrm{t} \mathrm{\prime}$ " designates a fund that has both a CDSC or a |  |  |  | A " t " designates a fund that has both a CDSC or a redemption fee and a 12b-1 fee. |
| Uhd Eec | 10.18 | N.L. | +.03 |  |
| Rho Ond $p$ | 10.77 | A.t. | +. 02 |  |
| Iro Nicot | 8.54 | N.L. | -. 06 |  |
| Gpprl:  <br> Allist B 24.00 N.L. +.01 <br> day's prices, instead of the current day's.  |  |  |  |  |
| Cuy Ninit | 10.76 | N.L. |  | Other footnotes may also apply to a fund listing. Please see the explanatory notes that accompany mutual fund tables in your newspaper. |
| Eqryti | 15.87 | 16.71 |  |  |
| Ginta Ir | 12.00 |  | +. 01 |  |
| Gvrt Lis | 1018 | N.L. | +. 03 |  |
| Heai lec ff | 10.40 | 10.51 | -. 02 |  |
| Jbd Hld | 10.23 | 10.77 | -. 04 |  |

Availability of share prices. The vast majority of mutual funds release their daily share prices through Nasdaq. For a fund's share price to be published in the next day's morning newspapers, it must be delivered by 5:50 p.m. Eastern time to Nasdaq. As prices are received by Nasdaq, they are instantaneously transmitted to wire services and other subscribers. Wire services transmit the prices to their client newspapers.

In addition to newspapers, daily fund prices are available from other sources. Many funds offer toll-free telephone service, which provides the fund's share price and other current information.

## REGULATION

All U.S. funds are subject to strict regulation and oversight by the
U.S. Securities and Exchange Commission (SEC). As part of this regulation, all funds must provide investors with full and complete disclosure about the fund in a written prospectus (see Mutual Fund Disclosure-Informing Investors, below). In addition, the investor receives a yearly statement detailing the federal tax status of his or her distributions from the fund. Mutual fund shareholders are taxed on the fund's income directly, as if they held the underlying securities themselves. Similarly, any tax-exempt income received by a fund is generally passed on to the shareholders as tax-exempt (see Chapter 6, Mutual Funds and Taxes, on page 51).

Mutual funds are regulated under four federal laws designed to protect investors. The Investment

Mutual Fund Disclosure - Informing Investors
To protect investors, all mutual funds are highly regulated by the federal government through the U.S. Securities and Exchange Commission (SEC). As part of this government regulation, all funds must provide two types of documents to investors free of charge: a prospectus and a shareholder report.

A mutual fund's prospectus describes the fund's goals, fees and expenses, investment strategies and risks, as well as information on how to buy and sell shares. A fund's current prospectus can be obtained from the fund or a broker or financial planner. The SEC requires a fund to provide a full prospectus either before an investment or together with the confirmation statement of an initial investment.

Annual and semiannual shareholder reports discuss the fund's recent performance and include other important information, such as the fund's financial statements. By examining these reports, an investor can learn if a fund has been effective in meeting the goals and investment strategies described in the fund's prospectus.

Company Act of 1940 requires all funds to register with the SEC and to meet certain operating standards; the Securities Act of 1933 mandates specific disclosures; the Securities Exchange Act of 1934 sets out antifraud rules covering the purchase and sale of fund shares; and the Investment Advisers Act of 1940 regulates fund advisers.

## ACCESSIBILITY

Mutual fund shares are easy to buy. Investors (outside retirement plans) may purchase fund shares either with the help of an investment professional (e.g., a broker, financial planner, bank representative or insurance agent) or directly, based on the investor's own research and
knowledge. Investment professionals provide services to investorsanalyzing the client's financial needs and objectives and recommending appropriate funds. They are compensated for those services, generally through sales commissions, or through $12 \mathrm{~b}-1$ and/or service fees deducted from the fund's assets.

Direct-marketed funds are sold through the mail, by telephone, or at office locations. They typically offer fund shares to the public with a low sales charge or none at all. Funds that do not charge a sales charge are known as "no-loads." Because direct-marketed funds do not usually offer specific investment advice, investors are required

Mutual Fund Minimum Investment Requirements, 1997 (percent distribution of funds by minimum investment requirement)*


[^0]
## Mutual Fund Fees and Expenses

Shareholder transaction expenses are fees charged directly to the investor's account for a specific transaction, such as a purchase, redemption or exchange.

- A front-end sales charge or "load" may be attached to the purchase of mutual fund shares. This fee compensates a financial professional for his or her services.
By law, this charge may not exceed 8.5 percent of the investment, although most fund families charge less than the maximum.
- A contingent deferred sales charge, imposed at the time of redemption, is an alternative way to compensate financial professionals for their services. This fee typically applies for the first few years of ownership and then disappears.
- A redemption fee is another type of back-end charge for redeeming shares. It is expressed as a dollar amount or as a percentage of the redemption price.
- An exchange fee is the fee that may be charged when transferring money from one fund to another within the same fund family.
- An account maintenance fee is charged by some funds, for example, to maintain low-balance accounts.
Annual operating expenses reflect the normal costs of operating the fund (e.g., maintaining offices, staff and equipment). Unlike transaction fees, these expenses are not charged directly to an investor's account, but are deducted from fund assets before earnings are distributed to shareholders.
- Management fees are ongoing fees charged by the fund's investment adviser for managing the fund and selecting its portfolio of securities. These fees generally average between 0.5 percent and 1 percent of the fund's assets annually.
- 12b-1 fees, if any, are deducted from fund assets to pay marketing and advertising expenses or, more commonly, to compensate sales professionals. By law, 12b-1 fees cannot exceed 1 percent of the fund's average net assets per year. The 12b-1 fee may include a service fee of up to 0.25 percent of average net assets per year to compensate sales professionals for providing services or maintaining shareholder accounts.
to do their own research and determine which funds meet their needs.

Mutual funds may also be offered as investment selections in 401(k) plans and other employee benefit plans.

## SHAREHOLDER SERVICES

Mutual funds offer a wide variety of services to meet shareholders' needs. These services include tollfree (800) telephone numbers, 24hour telephone access, touchtone telephone access to account information and transactions, consolidated account statements,
shareholder cost basis (tax) information, exchanges between funds, automatic investments, checkwriting privileges on many money market and some bond funds, automatic reinvestment of fund dividends, and automatic withdrawals. Mutual funds also provide extensive investor education and shareholder communications, including newsletters, brochures, retirement and other planning guides, and websites.

MUTUAL FUND INVESTMENTS IN THE FINANCIAL MARKETS Investments in mutual funds often contribute to U.S. economic growth by investing in the nation's stock, bond and money markets.

The stock market. Mutual fund investments in the U.S. stock market help finance job creation and provide capital to build American infrastructure. Many initial public offerings of U.S. corporations are purchased by mutual funds, allowing companies to finance their expansion. Many of these companies are in growth industries, such as technology and biotechnology.

## The fixed-income markets.

 Mutual funds also help finance the short- and long-term borrowing needs of institutions such as banks, corporations and the U.S. government.> Mutual Fund Ownership of U.S. Corporate Equity, December 31, 1997


Value of Publicly Held U.S. Equity Outstanding: $\$ 10.9$ trillion

[^1]Source: Investment Company Institute, Nasdaq, AMEX, NYSE

## Mutual Fund Ownership of Treasury and Agency Securities,

 December 31, 1997

Total Treasury and Agency Securities Outstanding: $\$ 6.6$ trillion
*Other investors include U.S. households, pension funds, foreign investors and commercial banks.
Source: Federal Reserve Board

Mutual Fund Ownership of Corporate and Foreign Bonds, December 31, 1997


Total Corporate and Foreign Bonds Outstanding: $\$ 3.3$ trillion
*Other investors include U.S. households, pension funds, foreign investors and insurance companies.
Source: Federal Reserve Board

## Mutual Fund Ownership of Municipal Securities,

 December 31, 1997

Total Municipal Securities Outstanding: \$1.4 trillion

[^2]By investing in the money market and the bond market, mutual funds and other investors help lower the cost of institutional borrowing. For example, the Government National Mortgage Association (Ginnie Mae), the Federal National Mortgage Association (Fannie Mae), and the Federal Home Loan Mortgage Corporation (Freddie Mac) issue mortgage-backed securities. Purchases of these securities by
mutual funds and other investors help increase the availability of financing for homeowners and lower the cost of home purchases for millions of Americans.

Mutual funds also provide an important source of funding for states and local governments that issue municipal securities to finance important public projects such as roads, bridges, libraries and schools.

## Chapter 3

## The Structure and Regulation of Mutual Funds

Mutual funds are highly regulated financial entities that must comply with federal laws and regulations. In particular, the U.S. Securities and Exchange Commission (SEC) regulates mutual funds under the Investment Company Act of 1940. The 1940 Act imposes restrictions not only on mutual funds but also on their investment advisers, principal underwriters, directors, officers and employees. The 1940 Act also regulates the two other types
of investment companies-closedend funds and unit investment trusts.

Virtually all mutual funds are externally managed. They do not have employees of their own. Instead, their operations are conducted by affiliated organizations and independent contractors. The diagram on page 30 depicts a typical mutual fund complex, including its principal service providers.

Four Principal Securities Laws Govern Mutual Funds

- The Investment Company Act of 1940 regulates the structure and operations of mutual funds. Among other things, the 1940 Act requires mutual funds to maintain detailed books and records, safeguard their portfolio securities, and file semiannual reports with the U.S. Securities and Exchange Commission (SEC).
- The Securities Act of 1933 requires the federal registration of all public offerings of securities, including mutual fund shares. The 1933 Act also requires that all prospective investors receive a current prospectus describing the fund.
- The Securities Exchange Act of 1934 regulates broker-dealers, including mutual fund principal underwriters and others who sell mutual fund shares, and requires them to register with the SEC. Among other things, the 1934 Act requires registered brokerdealers to maintain extensive books and records, segregate customer securities in adequate custodial accounts, and file detailed, annual financial reports with the SEC.
- The Investment Advisers Act of 1940 requires federal registration of all investment advisers to mutual funds. The Advisers Act contains various antifraud provisions and requires fund advisers to meet recordkeeping, reporting and other requirements.


## The Structure of a Mutual Fund



## DIRECTORS

A mutual fund is governed by a board of directors. The directors of a mutual fund have oversight responsibility for the management of the fund's business affairs. They must exercise the care that a reasonably prudent person would take with his or her own business. They are expected to exercise sound business judgment, establish
procedures and undertake oversight and review of the performance of the investment adviser, principal underwriter and others that perform services for the fund.

A provision of the 1940 Act states that at least 40 percent of a fund's board of directors must be independent of the fund's investment adviser or principal

Assets of Mutual Funds
(billions of dollars)


Note: See page 116 for data points on this chart.
underwriter. Independent fund directors serve as watchdogs for shareholder interests and oversee a fund's investment adviser and others closely affiliated with the fund.

## SHAREHOLDERS

Like shareholders of other companies, mutual fund shareholders have specific voting rights. These include the right to elect directors at a meeting called for that purpose (subject to a limited exception for filling vacancies). Material changes in the terms of a fund's investment advisory contract must be approved by a shareholder vote, and funds seeking to change investment objectives or policies
deemed fundamental must also seek shareholder approval.

## INVESTMENT ADVISER

An investment adviser is responsible for selecting portfolio investments consistent with objectives and policies stated in the mutual fund's prospectus. The investment adviser places portfolio orders with broker-dealers and is responsible for obtaining the best overall execution of those orders.

A written contract between a mutual fund and its investment adviser specifies the services the adviser performs. Most advisory contracts provide for the adviser to

## Number of Mutual Fund Complexes*


*Investment Company Institute member firms (accounting for 95\% of mutual fund industry assets) Note: A fund complex is a group of funds under substantially common management (or distributorship), composed of one or more families of funds.


Note: See page 116 for data points on this chart.
receive an annual fee based on a percentage of the fund's average net assets.

The adviser is subject to numerous legal restrictions, especially regarding transactions between itself and the fund it advises.

## ADMINISTRATOR

Administrative services may be provided to a fund by an affiliate of the fund, such as the investment adviser, or by an unaffiliated third party. Administrative services include overseeing the performance of other companies that provide services to the fund and ensuring
that the fund's operations comply with federal requirements. Typically, a fund administrator pays for office costs and personnel, provides general accounting services and may also prepare and file SEC, tax, shareholder and other reports.

## PRINCIPAL UNDERWRITER

Most mutual funds continuously offer new shares to the public at a price based on the current value of fund assets plus any sales charges. Mutual funds usually distribute their shares through principal underwriters. Principal underwriters are regulated as broker-dealers and

Number of Mutual Funds

are subject to National Association of Securities Dealers, Inc. (NASD)
rules governing mutual fund sales practices.

## CUSTODIAN

Mutual funds are required by law to protect their portfolio securities by placing them with a custodian. Nearly all mutual funds use qualified bank custodians. The SEC requires mutual fund custodians to segregate mutual fund portfolio securities from other bank assets.

## TRANSFER AGENT

A transfer agent is employed by a mutual fund to conduct recordkeeping and related functions. Transfer agents maintain records of shareholder accounts, calculate and disburse dividends, and prepare and mail shareholder account statements, federal income tax information and other shareholder notices. Some transfer agents prepare and mail statements confirming shareholder transactions and account balances and maintain customer service departments to respond to shareholder inquiries.

## Chapter 4

## Mutual Fund Ownership and Shareholder Characteristics

An estimated 66.5 million individuals in 37.4 million U.S. households own the majority of the mutual fund industry's $\$ 4.490$ trillion in assets. As of year-end 1997, they held $\$ 3.520$ trillion, or 78.4 percent, of mutual fund assets, while fiduciaries-banks and individuals serving as trustees, guardians or administrators-and other institutional investors held the remaining $\$ 970$ billion, or 21.6 percent.

## U.S. HOUSEHOLD FINANCIAL ASSETS

U.S. households own many financial assets, including mutual funds, stocks, bonds and bank deposits. In 1997, households made \$549 billion of net purchases of financial assets, down slightly from \$551 billion in 1996.

According to the Federal Reserve Board, U.S. households invested $\$ 358.0$ billion, or 65.3 percent, of

Composition of Mutual Fund Ownership
(percent of total mutual fund assets)

| 10 | 10 | Financial, business and <br> other organizations |  |
| :--- | :--- | :--- | :--- |
| 16 | 12 |  | Fiduciaries |
| 74 |  |  |  |

Note: Total assets of mutual funds were $\$ 1.067$ trillion at year-end 1990 and $\$ 4.490$ trillion at year-end 1997.


Note: See page 117 for data points on this chart.
Source: Federal Reserve Board, Employee Benefit Research Institute, and Investment Company Institute
their total net purchases of financial assets in mutual funds (including reinvested dividends). Longterm mutual funds-equity and bond and income funds-accounted for $\$ 243$ billion, or 44.3 percent; money market funds attracted $\$ 115.0$ billion, or 21.0 percent; and other financial assets, such as stocks, bonds and bank deposits, captured the remaining $\$ 190.7$ billion, or 34.7 percent.

## U.S. HOUSEHOLDS: NET SELLERS IN THE EQUITY MARKET

The large inflows to equity funds in 1997-indeed, throughout the

1990s - have occurred at the same time that U.S. households have been net sellers of stock. From 1990 to 1997, U.S. households, on net, sold $\$ 1.2$ trillion of equity holdings from sources other than mutual funds while purchasing $\$ 870$ billion through mutual funds. In 1990, net equity purchases through mutual funds were $\$ 13$ billion; by 1997, that figure had reached $\$ 190$ billion.

In 1997 alone, households were net sellers of $\$ 369$ billion in stocks through sources other than mutual funds; this marked the fifth straight year that households were net sellers of stock.

## Purchases of Equities by Households <br> (billions of dollars)



$-200$
$-300$
-400
$\begin{array}{llllllllllllll}1984 & 1985 & 1986 & 1987 & 1988 & 1989 & 1990 & 1991 & 1992 & 1993 & 1994 & 1995 & 1996 & 1997\end{array}$

Note: See page 117 for data points for these charts.
Source: Federal Reserve Board, Employee Benefit Research Institute and Investment Company Institute

Total Holdings of Equities* by Households (percent of total financial assets of households and the real value of the S\&P 500 Index)

*Equities held directly or through mutual funds, bank personal trusts and estates, and defined contribution plans.
Note: See page 118 for data points on this chart.
Source: Federal Reserve Board, Employee Benefit Research Institute, and Investment Company Institute.

## STOCK MARKET PERFORMANCE FUELS EQUITY ASSET GROWTH

Even though households have been net sellers of corporate stock, the share of their household financial assets held in equities has actually risen. This occurred because of the appreciation in value of U.S. households' remaining stock holdings, including those held in mutual funds. At year-end 1997, household direct and indirect holdings of equities were $\$ 8.8$ trillion and amounted to 32.4 percent of household financial assets. This is up from 29.5 percent at the end of

1996 and represents a continuation of the trend that began in 1982 with the upward march in stock prices. The current share of household financial assets held in equities is near the peak reached in 1968 following the extended runup in stock market prices during the 1960s.

## U.S. SHAREHOLDER

CHARACTERISTICS
The number of U.S. households owning mutual funds rose an estimated 1.8 percent between mid1996 and mid-1997, increasing from 36.8 million to 37.4 million.

Household Ownership of Mutual Funds
(percent of U.S. households)


Investment Company Institute research released in mid-1996 finds that the average mutual fund investor is middle class, 44 years old, likely to be married and employed, and possesses financial assets of $\$ 50,000$. The investment decisionmaker in a fund-owning household is most often solely a man ( 47 percent compared with 32 percent women). Men and women share investment decisionmaking in 21 percent of households. Shareholders are fairly evenly distributed among age groups, and only 18 percent of shareholders are retired.

The typical mutual fund investor purchased his or her first fund share in 1990 or earlier ( 68 percent). Among these seasoned fund investors, 57 percent also own individual stocks and 75 percent have Individual Retirement Accounts. Roughly half added money to an existing account in the year preceding the survey.

Investors use funds to achieve long-term investment goals. Eighty-four percent cite retirement as one of their investment goals, and 26 percent list saving for their children's or grandchildren's college education.

The typical mutual fund investor owns more than one kind of fund. For example, investors in equity mutual funds typically hold three different funds, and more than half also hold bond and income funds. About 70 percent of equity fund investors bought their first fund shares in 1990 or earlier; half added money to an existing account in the previous year. In addition, 61 percent of equity fund shareholders and 59 percent of
bond and income fund shareholders own individual stocks.
The types of funds owned tend not to differ according to age, financial assets or sex of the investment decisionmaker.

## WOMEN INVESTORS

In 32 percent of fund-owning households, the investment decisionmakers are solely women. As a group, they are very similar to male household investment

> Household Owners of Mutual Funds Demographic and Financial Characteristics, $1995^{1}$

|  | First Purchase <br> in 1990 <br> or Earlier | First Purchase <br> in 1991 <br> or Later |
| :--- | :---: | :---: |
| Demographic Characteristics | 46 | 37 |
| Median age |  |  |
| Percent of households: | 73 | 63 |
| Married | 79 | 88 |
| Employed full- or part-time | 41 | 48 |
| Minor children² | 60 | 55 |
| $\quad$ Four-year college degree or more | $\$ 60,000$ | $\$ 50,000$ |
| Financial Characteristics | $\$ 70,000$ | $\$ 25,000$ |
| Median household income | 57 | 48 |
| Median household financial assets ${ }^{3}$ | 27 | 19 |
| Percent of households owning:4 | 29 | 18 |
| Individual stocks | 75 | 60 |
| Individual bonds | 51 | 50 |
| Annuities |  |  |
| IRAs |  |  |
| 401 (k)s |  |  |

## ${ }^{1}$ 'Characteristics of primary financial decisionmaker in the household. <br> ${ }^{2}$ Percent of married households.

${ }^{3}$ Excludes assets in employer-sponsored retirement plans.
${ }^{4}$ Multiple responses included.

## Ownership Characteristics of Mutual Fund Households, 1995

|  | First Purchase in 1990 or Earlier | First Purchase in 1991 or Later |
| :---: | :---: | :---: |
| Median mutual fund assets | \$25,000 | \$7,000 |
| Median number of funds owned | 3 | 2 |
| Percent |  |  |
| Household assets in mutual funds ${ }^{2}$ | 36 | 28 |
| Fund types owned ${ }^{3}$ |  |  |
| Equity | 75 | 71 |
| Bond and income | 50 | 38 |
| Money market | 54 | 45 |
| Households' use of purchase channels |  |  |
| Sales force | 65 | 60 |
| Direct market | 33 | 29 |
| Investment goal ${ }^{3}$ |  |  |
| Retirement | 81 | 77 |
| Children's education | 24 | 27 |
| Risk tolerance profile |  |  |
| Willing to take: |  |  |
| Substantial risk with the expectation of substantial gain | 8 | 10 |
| Above-average risk with the expectation of above-average gain | 36 | 38 |
| Average risk with the expectation of average gain | 41 | 36 |
| Below-average risk with the expectation of below-average gain | 10 | 13 |
| No risk | 6 | 3 |
| Awareness: Agreed that investing in stock and bond funds involves risk |  |  |
| Evaluations: Assessed risk of most recent stock or bond fund purchase | ase 67 | 71 |
| Horizon: Assess mutual fund risk in time frame exceeding five years | - 65 | 62 |
| ${ }^{1}$ Excludes mutual funds in employer-sponsored retirement plans. |  |  |
| ${ }^{2}$ Excludes any mutual fund assets held in employer-sponsored retirement plans. |  |  |
| ${ }^{3}$ Multiple responses included. |  |  |

decisionmakers except that they tend to be slightly older, are less likely to be married (although half of them are married), and are more likely to be widowed. They are also more cautious investors, tolerating a lower level of risk than the average male decisionmaker, and are slightly more likely to use a financial adviser.

## GENERATIONAL DIFFERENCES

Generation X (ages 18 to 30 ) is very interested in mutual fund investing. This group has the lowest level of household assets, yet has the second highest portion of financial assets in mutual funds ( 38 percent), after those aged 50 to
70. Among the age groups, Generation X also has the highest tolerance for investment risk.

At the time of the survey in 1995, Baby Boomer shareholders (ages 31 to 49 ) have twice as many financial assets in mutual funds as Generation X investors, yet a smaller percentage of their assets is invested in funds ( 27 percent). Baby Boomer shareholders also tend to own more types of funds than Generation X fund owners, who typically have more assets in equity funds. Retirement as a goal for fund investing was high for shareholders of all the generations, ranging from 72 to 89 percent.

## Chapter 5

## Mutual Funds and the Retirement Market

Mutual funds accounted for $\$ 1.24$ trillion, or 16 percent, of the $\$ 7.9$ trillion U.S. retirement market at year-end 1996, the latest year for which data are available. The remaining $\$ 6.66$ trillion, or 84 percent, of assets in the retirement market is managed by corporations, pension firms, insurance companies, banks and brokerage firms.

RETIREMENT PLANS COMPRISE ONE-THIRD OF THE INDUSTRY'S ASSETS

The $\$ 1.24$ trillion in mutual fund retirement plan assets represented

35 percent of all mutual fund assets at year-end 1996. Consistent with overall asset growth for the mutual fund industry, mutual fund retirement plan assets grew by $\$ 245$ billion, or 25 percent.

Mutual fund asset growth in 1996 - indeed, fund asset growth over the past two decades - reflects two main factors: the performance of the underlying investments and new investments by fund shareholders.

Most of the increase is attributable to asset appreciation associated
U.S. Retirement Market Assets, 1996

$\$ 6.66$ trillion

Source: Investment Company Institute and Federal Reserve Board

## Mutual Fund Retirement Plan Assets <br> (percent of total mutual fund assets)

 1981198219831984198519861987198819891990199119921993199419951996

Note: See page 119 for data points on this chart.
with rising securities prices, particularly in the stock market, during the 1980s and 1990s. In 1996, for example, an estimated two-thirds, or $\$ 160$ billion, of the $\$ 245$ billion increase came from investment performance-unrealized capital gains and reinvested distributions - and newly reporting funds. About one-third of the increase, or $\$ 85$ billion, came from net new investment into funds through retirement plans.

## SOURCES OF GROWTH FOR MUTUAL FUND RETIREMENT ASSETS

Most of the net new investments in mutual fund retirement assets come from three sources. Most
important has been the advent of defined-contribution plans401(k) plans in particular. Although mutual funds account for only about one-third of the assets in the defined-contribution market, funds' share of the market has steadily grown from less than 10 percent to 32 percent between 1985 and 1996.

The rapid growth of the IRA market has also contributed. The mutual fund industry's share of the IRA market increased from 16 percent in 1985 to 47 percent in 1996.

Another source of growth has been variable annuities outside of retirement plans. Individuals have

# Mutual Fund Assets by Type of Retirement Plan <br> (billions of dollars) 



1996


| IRA Plan Assets* (billions of dollars) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 |
| Commercial Bank Deposits | 134.4 | 136.9 | 134.1 | 136.1 | 143.0R | 143.7 |
| Thrifts | 91.1 | 85.3 | 76.6 | 71.6 | 72.8R | 71.5 |
| Life Insurance Companies | 49.7 | 55.6 | 69.5 | 78.7 | 94.3 R | 105.6 |
| Credit Unions | 32.3 | 32.5 | 32.4 | 32.1 | 33.5R | 33.2 |
| Mutual Funds** | 169.1 | 211.0 | 283.9 | 304.9 | 410.8 | 510.8 |
| Brokers-Self-directed*** | 180.6 | 224.7 | 271.0 | 317.5 | 415.0 | 482.6 |
| Total | 657.2 | 746.0 | 867.5 | 940.9 | 1169.4R | 1347.4 |
| *Includes rollovers and Simplified Employee Pensions (SEPs). |  |  |  |  |  |  |
| **Does not include IRAs held in "street name" or omnibus accounts such as those that would arise through self-directed IRAs. |  |  |  |  |  |  |
| ***Includes only those self-directed items not included in other categories (including stocks, bonds, CDs sold by brokers, and nonproprietary and other mutual funds not reported to Investment Company Institute for the mutual fund category) and should not be interpreted as the total self-directed universe for IRAs. |  |  |  |  |  |  |
| Source: Federal Reserve Board, ACLI, CUNA and Investment Company Institute special survey |  |  |  |  |  |  |

turned to tax-deferred variable annuities for a variety of long-term purposes, including retirement planning. Variable annuities have grown at nearly a 50 percent annual rate during the 1990s, reaching $\$ 473$ billion at the end of 1997.

## MUTUAL FUNDS ASSETS IN

 IRAs AND DEFINEDCONTRIBUTION PLANSMost mutual fund retirement assets are found in two types of retirement plans: IRAs or defined-contribution plans. Mutual funds accounted for $\$ 632$ billion, or 47 percent, of the $\$ 1.3$ trillion IRA market, and $\$ 577$ billion, or 32
percent, of the $\$ 1.8$ trillion
defined-contribution market at year-end 1996.

## INDIVIDUAL RETIREMENT ACCOUNTS

Although the Tax Reform Act of 1986 scaled back eligibility for taxdeductible contributions in IRAs, the IRA market has continued to grow due to two factors: investment performance and inflows caused by rollovers from employer-sponsored definedcontribution plans.

IRA holdings of mutual fund assets grew 28 percent, or $\$ 137$ billion, in 1996. An estimated $\$ 77$ billion, or 56 percent, of mutual

## 401(k) Plan Assets in Mutual Funds <br> (billions of dollars)



Source: U.S. Department of Labor, Employee Benefits Research Institute and Investment Company Institute

## Mutual Fund Retirement Assets by <br> Type of Fund, 1996

(billions of dollars)
$\frac{\text { Equity }}{\text { Domestic Global }}$

Bond \& Income
Hybrid Bond Money Market Total

| IRAs | 325 | 62 | 65 | 88 | 93 | 632 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Defined-contribution Plans | 396 | 39 | 46 | 39 | 57 | 577 |
| (k) Plans |  |  | 223 | 17 | 31 | 23 |
| $403(b)$ Plans | 111 | 9 | 5 | 5 | 79 | 334 |
| 457 Plans | 7 | 0 | 1 | 0 | 0 | 137 |
| $\quad$ Others | 55 | 13 | 8 | 10 | 10 | 97 |
| Defined-benefit Plans | 20 | 5 | 2 | 6 | 1 | 33 |
| Total | 741 | 107 | 112 | 133 | 151 | 1242 |

## Recent Legislation Improves Pension Coverage for Americans

Legislation that went into effect on January 1, 1997 has helped many Americans improve their retirement security. The "Small Business Job Protection Act of 1996" created simplified retirement plans - SIMPLE IRAs and $401(\mathrm{k})$ plans-for businesses with 100 or fewer employees. A 1997 survey of mutual funds finds that SIMPLE retirement plans are becoming significantly more popular, especially among the smallest of small businesses.
Among the survey findings:

- Approximately 18,261 SIMPLE IRA plans with 95,431 IRA participant accounts were established as of July 31, 1997;
- Employers with 10 or fewer employees established the most SIMPLE plans;
- Employers prefer SIMPLE IRAs over SIMPLE 401 (k) plans;
- More than 97 percent of employers with SIMPLE plans had 25 or fewer employees; and
- There were an average of five participants per SIMPLE plan.
funds' IRA asset growth was attributable to investment performance and newly reporting funds. An estimated $\$ 60$ billion of the asset growth came from net new cash flow, mostly to equity funds ( 66 percent or $\$ 40$ billion).


## DEFINED-CONTRIBUTION PLANS

In the U.S. employer-sponsored retirement market, mutual funds are most widely used in definedcontribution plans. Definedcontribution plans make up only about one-quarter of the total U.S employer-sponsored market, however. At year-end 1996, for example, defined-contribution plans constituted only 27 percent, or $\$ 1.8$ trillion, of the $\$ 6.6$ trillion employer-sponsored market.

The bulk of employer-sponsored retirement assets is held in definedbenefit plans of federal, state and local governments and through private sources, such as corporate employers and insurance companies. Approximately, $\$ 4.8$ trillion, or 73 percent, of the employersponsored market was held in defined-benefit plans. Mutual funds account for only $\$ 33$ billion, or less than one percent, of these assets.

Overall, mutual funds held an estimated $\$ 610$ billion, or 9 percent, of the employer-sponsored retirement plan market at year-end 1996. For the year, fund assets in these plans grew an estimated $\$ 109$ billion, or 22 percent, with the bulk of the growth occurring in defined-contribution plans.

As with IRAs, the performance of the investment markets has been a major factor in the growth of mutual fund assets in employersponsored plans. In 1996, about three-quarters - or $\$ 84$ billion of the mutual fund industry's asset growth in the employer-sponsored plan market came from investment performance and newly reporting funds. One-quarter - or $\$ 25$ billion-came from net new investments, most of which went to equity funds.

## FUND ASSETS IN 401(k) PLANS

Most fund assets in the definedcontribution market are held by $401(\mathrm{k})$ plans. Of the $\$ 577$ billion mutual fund assets in definedcontribution plans at year-end 1996, $\$ 334$ billion, or 58 percent, were in $401(\mathrm{k})$ plans. For the year, mutual fund assets in $401(\mathrm{k})$ plans rose $\$ 71$ billion. Investment performance and newly reporting funds accounted for an estimated $\$ 44$ billion, or 62 percent. Net new inflows from investors were an estimated $\$ 27$ billion, or 38
percent, of the asset increase.

## Chapter 6

## Mutual Funds and Taxes

Mutual funds make two basic types of taxable distributions to shareholders every year: ordinary dividends and capital gains.

Dividend distributions come primarily from the interest and dividends earned by the securities in a fund's portfolio, after expenses. These payments must be reported as dividends on an investor's tax return.

## Capital gain distributions repre-

 sent a fund's net gains, if any, from the sale of securities held in its portfolio for more than one year. When gains from these sales exceed losses, they are distributed to shareholders.At tax time, mutual funds send investors Form 1099-DIV (see page 53), which tells them what earnings, if any, to report on their income tax return. Ordinary dividends are reported as dividend income; capital gain distributions are reported as long-term capital gains-regardless of how long the taxpayer has owned the fund shares.

HOW DIVIDEND AND CAPITAL GAIN DISTRIBUTIONS AFFECT A FUND'S SHARE PRICE
Whenever funds distribute dividends and capital gains to shareholders, the share price or net asset value (NAV) drops by the amount distributed. For example, an

The Chief Federal Statute Governing Mutual Fund Taxation
Unlike most corporations, a mutual fund generally distributes all of its earnings each year and is taxed only on amounts it retains. Thus, the fund's earnings typically are taxed only once-when received by the fund's shareholders.
This specialized "pass-through" tax treatment of mutual fund income and capital gains was established under the Revenue Act of 1936 and endures today under Subchapter M of the Internal Revenue Code of 1986. To qualify for this favorable tax treatment under the Code, mutual funds must meet, among other conditions, various investment diversification standards and pass a test regarding the source of their income.

Capital Gain and Dividend Distributions to Shareholders All Types of Mutual Funds
(billions of dollars)

|  | Capital Gain Distributions | Dividend Distributions |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Year | Equity and Bond \& Income Funds | Equity and Bond \& Income Funds | Taxable Money Market Funds | Tax-exempt Money Market Funds |
| 1978 | \$0.7 | \$2.1 | \$0.4 | - |
| 1979 | 0.9 | 2.5 | 2.7 | - |
| 1980 | 1.8 | 2.7 | 7.7 | \$0.1 |
| 1981 | 2.7 | 3.1 | 18.5 | 0.1 |
| 1982 | 2.4 | 3.8 | 21.7 | 0.3 |
| 1983 | 4.4 | 5.0 | 13.2 | 0.6 |
| 1984 | 6.0 | 7.2 | 15.4 | 1.0 |
| 1985 | 5.0 | 12.9 | 14.4 | 1.6 |
| 1986 | 17.5 | 22.3 | 11.1 | 2.4 |
| 1987 | 23.0 | 31.8 | 12.8 | 2.8 |
| 1988 | 6.3 | 32.0 | 17.3 | 3.5 |
| 1989 | 14.8 | 34.1 | 24.7 | 3.9 |
| 1990 | 8.1 | 32.9 | 26.3 | 3.8 |
| 1991 | 14.1 | 35.3 | 25.2 | 3.5 |
| 1992 | 22.3 | 59.2 | 17.2 | 3.1 |
| 1993 | 36.1 | 73.3 | 15.9 | 3.3 |
| 1994 | 30.0 | 61.5 | 20.5 | 3.2 |
| 1995 | 54.6 | 67.5 | 32.8 | 4.2 |
| 1996 | 101.1 | 73.7 | 38.3 | 4.2 |
| 1997 | 184.1 | 80.0 | 44.0 | 4.7 |

investor buys 10 shares of a fund for $\$ 100$ at an NAV of $\$ 10$. Later, the fund distributes a capital gain of 50 cents per share and ordinary income of 50 cents per share ( $\$ 1$ per share). At this point, the shareholder receives a $\$ 10$ dividend, the NAV drops to $\$ 9$ a share, and the
total value of the shareholder's 10 shares declines to $\$ 90$.

Despite the lower post-distribution price, the total value of the shareholder's investment remains unchanged. If the shareholder reinvested the dividend, 1.1 additional shares (with an NAV of $\$ 9$ ) are

## How to Read Form 1099-DIV

Once a year a fund sends a Form 1099-DIV to any shareholder receiving $\$ 10$ or more of taxable income. This form contains much of the tax reporting information a shareholder needs. Any taxpayer who receives a capital gain distribution from a mutual fund is required to complete Schedule D (for capital gains and losses) as part of year-end tax filing.

Ordinary dividends-the amount to report on Form 1040 as dividend income. These include any short-term capital gain distributions (assets held less than 12 months).

Total capital gain distributions-the
amount to report as capital gain distributions. Amounts reported in box 2 a include amounts reported in boxes $2 \mathrm{~b}, 2 \mathrm{c}$ and 2 d .


28\% rate gain-capital gain distributions subject to the $28 \%$ maximum tax rate. These include assets held by the fund between 12 and 18 months.

Unrecaptured sec. 1250 gain—the portion, if any, of capital gain distributions attributable to certain real estate investments.

Nontaxable distributions-distributions that represent a return of capital; these are not taxable, but do reduce the basis of fund shares

Foreign tax paid and foreign country or U.S. possession-an amount entered here represents a shareholder's proportionate share of foreign income tax paid by the fund. An investor may be able to take a deduction or credit for this amount. An investor taking a foreign tax credit may be required to attach Form 1116 to Form 1040.

Note: Funds often send "substitute" forms that contain the required information shown above, but in a different layout.
purchased for $\$ 10$ and the total value of the 11.1 shares returns to $\$ 100$. If the $\$ 10$ is retained, the investor has 10 shares worth $\$ 90$ and $\$ 10$ in cash.

## SHARE SALES AND EXCHANGES

An investor who sells mutual fund shares usually incurs a capital gain or loss in the year the shares are sold; an exchange of shares between funds in the same fund family also results in either a capital gain or loss (see page 56, Taxdeferred Retirement Accounts, for exceptions to these rules).

Investors are liable for tax on any capital gain arising from the sale of fund shares, just as they would be if they sold any other security such as a stock or bond. Capital losses from mutual fund share sales and exchanges, like capital losses from other investments, may be used to offset other gains in the current year and thereafter.

The amount of a fund's gain or loss is determined by the difference between the "cost basis" of the shares (generally, the purchase price for shares, including those acquired with reinvested dividends) and the sale price. To figure the gain or loss on a sale of shares, it is essential to know the cost basis. Many funds provide cost basis
information to shareholders or compute gains and losses for shares sold.

Gains and losses on the sale or exchange of fund shares are reported on Part I of Schedule D (Shortterm Capital Gains and Losses) if the shares were held for one year or less, and on Part II (Long-term Capital Gains and Losses) if held for more than one year. The amount of any redemption gain or loss on a " 28 percent rate gain" transaction is reported in the 28 percent rate column (column [g]) of Schedule D.

## TAX-EXEMPT FUNDS

Tax-exempt bond funds pay dividends earned from municipal bond interest. This income is exempt from federal income tax and, in some cases, state and local taxes as well. Tax-exempt money market funds invest in short-term municipal securities, and also pay exemptinterest dividends.

Even though income from these two types of funds is generally taxexempt, investors must still report it on their income tax returns. Taxexempt mutual funds provide investors with this information in a year-end statement, and typically explain how to handle tax-exempt dividends on a state-by-state basis. For some taxpayers, portions of

## How to Read Form 1099-B

A mutual fund sends Form 1099-B, typically after year-end, to each shareholder who sells fund shares during the year. Any taxpayer who sells or exchanges during the year must complete Schedule D (for capital gains and losses) as part of their year-end tax filing, based on information found on Form 1099-B and fund account statements.

Date of Sale-the
date on which the fund


Stocks, bonds, etc.-the proceeds in dollars delivered to the shareholder.

## Federal income tax withheld-

 shareholders not furnishing a taxpayer identification number are subject to backup withholding at a $31 \%$ rate on certain payments.Description-a brief description of the transaction or the fund.

Note: Funds often send "substitute" forms that contain the required information shown above, but in a different layout.
income earned by tax-exempt funds may also be subject to the federal alternative minimum tax, which can raise the need for an investor to consult a tax adviser.

Even though municipal bond dividends and interest may be taxfree, an investor who redeems taxexempt fund shares may realize a taxable capital gain. An investor may also realize a taxable gain from a tax-exempt fund if the fund manager sells securities during the year for a net gain.

## TAX-DEFERRED RETIREMENT ACCOUNTS

Mutual fund investments in certain retirement accounts are taxdeductible and, generally, dividend and capital gain distributions remaining in the accounts accrue tax-deferred until distributed to the investor.

In employer-sponsored $401(\mathrm{k})$ plans, for example, individuals typically contribute pre-tax dollars from their salary to an account in the plan. Similarly, IRA contributions may be tax-deductible depending upon a person's eligibility to participate in an employer-

## Year-end Distributions from Mutual Funds

Investors often hear suggestions, around November and December, to postpone large, lump-sum mutual fund share purchases until January. Mutual funds sometimes make large taxable distributions around this time, the argument goes, and an investor can avoid taxes by waiting the few weeks until the new tax year begins on January 1.

A "timing" strategy can ignore other important considerations. Before employing a timing strategy, investors should consider the type of fund and the amount of any expected distribution. The timing of investments in money market funds, for example, is irrelevant. These funds declare dividends daily, maintain a $\$ 1$ share price, and investors incur a tax liability on the dividends declared each day. Even with long-term funds-stock, bond and hybrid (which invest in both stocks and bonds) - the value of a timing strategy may prove less than clear-cut. For example, bond funds usually offer periodic (e.g., monthly) distributions, making year-end payouts typically small.

Generally, for investors considering funds that make relatively small dividend and capital gain distributions, the benefits of timed transactions may be outweighed by the market risks they entail. An increase in a share price while waiting to buy, for example, could cost more than the tax an investor is trying to avoid.

## Increased Eligibility for Deductible IRAs in Tax-year 1998 and Beyond <br> (thousands of dollars)


sponsored retirement plan and their adjusted gross income.

Taxes on mutual fund earnings are deferred when they remain in $401(\mathrm{k})$ plans, IRAs and other taxdeferred accounts, such as 403(b) accounts. Thus, no tax is incurred as a result of dividend and capital gain distributions, or from the sale of fund shares, until the investor takes distributions from the taxdeferred account. Distributions are treated as income, which is subject to the investor's federal income tax rate at the time of distribution.
(Non-deductible or after-tax contributions to these retirement
accounts are not subject to taxation at distribution, and distributions from the newly created Roth IRA also may not be subject to taxation at distribution.)

For most investors, distributions from tax-deferred accounts typically begin at or near retirement age, at which time the individual may be in a lower income tax bracket. Investors who receive proceeds from tax-deferred accounts prior to age $59^{1 / 2}$ may incur a tax penalty in addition to federal, state and local income taxes.

## About this Data Section

Keep in mind when reviewing the tables in this section that the mutual fund industry usually divides its statistics into two broad categories: long-term funds (stock and bond and income funds) and short-term funds (taxable and taxexempt money market funds).

The Industry Totals data section (pages 63-64) includes information on shareholder assets, accounts, and numbers of funds. Industry totals are broken down from the short- and long-term categories into four separate ones: equity funds, bond and income funds,
taxable money market funds, and tax-exempt money market funds.

The Industry Totals section does not provide total sales figures that combine long-term and short-term fund sales. Because of the special nature of short-term funds and the huge, continuous inflows and outflows of money they experience, it would be misleading to add their sales figures to those of long-term funds. Tracking periodic changes in total assets is usually the preferred method for following trends of short-term funds.

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Total Industry Net Assets
(billions of dollars)

| Year | Equity Funds | Bond 8 Income Funds | Taxable Money Market Funds | Tax-exempt Money Market Funds | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1970 | \$45.1 | \$2.5 | - | - | \$47.6 |
| 1971 | 51.6 | 3.4 | - | - | 55.0 |
| 1972 | 55.9 | 3.9 | - | - | 59.8 |
| 1973 | 43.0 | 3.5 | - | - | 46.5 |
| 1974 | 30.9 | 3.2 | \$1.7 | - | 35.8 |
| 1975 | 37.5 | 4.7 | 3.7 | - | 45.9 |
| 1976 | 39.2 | 8.4 | 3.7 | - | 51.3 |
| 1977 | 34.0 | 11.0 | 3.9 | - | 48.9 |
| 1978 | 32.7 | 12.3 | 10.9 | - | 55.9 |
| 1979 | 35.9 | 13.1 | 45.2 | \$0.3 | 94.5 |
| 1980 | 44.4 | 14.0 | 74.5 | 1.9 | 134.8 |
| 1981 | 41.2 | 14.0 | 181.9 | 4.3 | 241.4 |
| 1982 | 53.7 | 23.2 | 206.6 | 13.2 | 296.7 |
| 1983 | 77.0 | 36.6 | 162.5 | 16.8 | 292.9 |
| 1984 | 83.1 | 54.0 | 209.7 | 23.8 | 370.6 |
| 1985 | 116.9 | 134.8 | 207.5 | 36.3 | 495.5 |
| 1986 | 161.5 | 262.6 | 228.3 | 63.8 | 716.2 |
| 1987 | 180.7 | 273.1 | 254.7 | 61.4 | 769.9 |
| 1988 | 194.8 | 277.5 | 272.3 | 65.7 | 810.3 |
| 1989 | 249.1 | 304.8 | 358.7 | 69.4 | 982.0 |
| 1990 | 245.8 | 322.7 | 414.7 | 83.6 | 1,066.8 |
| 1991 | 411.6 | 441.4 | 452.6 | 89.9 | 1,395.5 |
| 1992 | 522.8 | 577.3 | 451.4 | 94.8 | 1,646.3 |
| 1993 | 749.0 | 761.1 | 461.9 | 103.4 | 2,075.4 |
| 1994 | 866.5 | 684.0 | 500.4 | 110.6 | 2,161.5 |
| 1995 | 1,269.0 | 798.3 | 629.7 | 123.3 | 2,820.3 |
| 1996 | 1,750.9 | 886.5 | 761.8 | 140.0 | 3,539.2 |
| 1997 | 2,399.3 | 1,031.5 | 898.1 | 160.8 | 4,489.7 |

Section One: U.S. Industry Totals

## Total Industry Shareholder Accounts (millions)

| Year | Equity Funds | Bond 8 Income Funds | Taxable <br> Money Market Funds | Tax-exempt Money Market Funds | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 1978 | 6.8 | 1.4 | 0.5 |  | 8.7 |
| 1979 | 6.1 | 1.4 | 2.3 |  | 9.8 |
| 1980 | 5.8 | 1.5 | 4.8 |  | 12.1 |
| 1981 | 5.7 | 1.5 | 10.3 | - | 17.5 |
| 1982 | 6.2 | 2.0 | 13.1 | 0.1 | 21.4 |
| 1983 | 9.2 | 2.8 | 12.3 | 0.3 | 24.6 |
| 1984 | 10.0 | 4.4 | 13.6 | 0.3 | 28.3 |
| 1985 | 11.5 | 8.3 | 14.4 | 0.5 | 34.7 |
| 1986 | 16.6 | 13.2 | 15.6 | 0.7 | 46.1 |
| 1987 | 21.4 | 15.5 | 16.8 | 0.8 | 54.5 |
| 1988 | 20.6 | 15.6 | 17.6 | 0.9 | 54.7 |
| 1989 | 21.5 | 15.4 | 20.2 | 1.1 | 58.2 |
| 1990 | 23.0 | 16.6 | 21.6 | 1.4 | 62.6 |
| 1991 | 26.1 | 18.9 | 21.9 | 1.7 | 68.6 |
| 1992 | 33.2 | 23.4 | 21.8 | 1.9 | 80.3 |
| 1993 | 42.5 | 27.5 | 21.6 | 2.0 | 93.6 |
| 1994 | 59.0 | 30.5 | 23.3 | 2.0 | 114.8 |
| 1995 | 70.7 | 30.9 | 27.9 | 2.3 | 131.8 |
| 1996 | 87.1R | 31.5 | 29.9 | 2.3 | 150.8R |
| 1997 | 103.6 | 32.0 | 33.0 | 2.7 | 171.3 |

Total Number of Funds

| Year | Funds |
| :---: | :---: |
| 1978 | 294 |
| 1979 | 289 |
| 1980 | 288 |
| 1981 | 306 |
| 1982 | 340 |
| 1983 | 396 |
| 1984 | 471 |
| 1985 | 579 |
| 1986 | 701 |
| 1987 | 846 |
| 1988 | 1,016 |
| 1989 | 1,080 |
| 1990 | 1,127 |
| 1991 | 1,217 |
| 1992 | 1,356 |
| 1993 | 1,615 |
| 1994 | 1,944 |
| 1995 | 2,211 |
| 1996 | 2,626 |
| 1997 | 3,014 |


| Bond $\boldsymbol{q}$ |
| :---: |
| Income |
| Funds |

150
159
170
180
199
257
349
492
654
930
1,094
1,173
1,235
1,389
1,629
2,023
2,450
2,553
2,679
2,751

| Taxable <br> Money <br> Market Funds | Tax-exempt <br> Money Market <br> Funds | Total |
| :---: | :---: | ---: |
| 61 | - | 505 |
| 76 | - | 524 |
| 96 | 10 | 564 |
| 159 | 20 | 665 |
| 281 | 37 | 857 |
| 307 | 66 | 1,026 |
| 326 | 95 | 1,241 |
| 346 | 111 | 1,528 |
| 359 | 126 | 1,840 |
| 388 | 153 | 2,317 |
| 431 | 174 | 2,715 |
| 463 | 201 | 2,917 |
| 508 | 235 | 3,105 |
| 554 | 267 | 3,427 |
| 586 | 279 | 3,850 |
| 628 | 292 | 4,558 |
| 644 | 319 | 5,357 |
| 672 | 325 | 5,761 |
| 665 | 323 | 6,293 |
| 682 | 331 | 6,778 |

## An Overview:

## Shareholder Accounts, Total Net Assets and Liquid Assets Equity and Bond \& Income Funds

| Year | Number of Reporting Funds | Number of Accounts (thousands) | Net Assets (billions of dollars) | Liquid Assets (billions of dollars) |
| :---: | :---: | :---: | :---: | :---: |
| 1970 | 361 | 10,690.3 | \$47.6 | \$3.1 |
| 1971 | 392 | 10,901.0 | 55.0 | 2.6 |
| 1972 | 410 | 10,635.3 | 59.8 | 2.6 |
| 1973 | 421 | 10,330.9 | 46.5 | 3.4 |
| 1974 | 416 | 9,970.4 | 34.1 | 3.4 |
| 1975 | 390 | 9,667.3 | 42.2 | 3.2 |
| 1976 | 404 | 8,879.4 | 47.6 | 2.4 |
| 1977 | 427 | 8,515.1 | 45.0 | 3.3 |
| 1978 | 444 | 8,190.6 | 45.0 | 4.5 |
| 1979 | 446 | 7,482.2 | 49.0 | 4.7 |
| 1980 | 458 | 7,325.5 | 58.4 | 5.3 |
| 1981 | 486 | 7,175.5 | 55.2 | 5.3 |
| 1982 | 539 | 8,190.3 | 76.9 | 6.0 |
| 1983 | 653 | 12,065.0 | 113.6 | 8.3 |
| 1984 | 820 | 14,423.6 | 137.1 | 12.2 |
| 1985 | 1,071 | 19,845.6 | 251.7 | 20.6 |
| 1986 | 1,355 | 29,790.2 | 424.1 | 30.7 |
| 1987 | 1,776 | 36,855.0 | 453.8 | 38.0 |
| 1988 | 2,110 | 36,212.0 | 472.3 | 45.1 |
| 1989 | 2,253 | 36,968.3 | 553.9 | 44.8 |
| 1990 | 2,362 | 39,614.0 | 568.5 | 48.6 |
| 1991 | 2,606 | 44,974.4 | 853.1 | 60.8 |
| 1992 | 2,985 | 56,567.8 | 1,100.1 | 74.4 |
| 1993 | 3,638 | 70,049.2 | 1,510.1 | 100.2 |
| 1994 | 4,394 | 89,484.2 | 1,550.5 | 121.3 |
| 1995 | 4,764 | 101,597.0 | 2,067.3 | 142.6 |
| 1996 | 5,305 | 118,591.5R | 2,637.4 | 139.4 |
| 1997 | 5,765 | 135,689.0 | 3,430.8 | 176.2 |

Note: Figures for shareholder accounts represent combined totals for member companies. Duplications have not been eliminated.
$R=$ Revised

## Type of Shareholder Account

 Equity and Bond \& Income Funds|  | Total <br> Shareholder <br> Accounts | Regular <br> Accounts | Contractual <br> Accumulation <br> Plans | Contractual <br> Single <br> Payment Plans | Withdrawal <br> Accounts |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Number (thousands) |  |  |  |  |  |
| 1980 | 7,326 | 6,598 | 554 | 45 | 129 |
| 1981 | 7,175 | 6,486 | 537 | 30 | 122 |
| 1982 | 8,190 | 7,573 | 471 | 28 | 118 |
| 1983 | 12,065 | 11,326 | 585 | 20 | 134 |
| 1984 | 14,424 | 13,666 | 615 | 17 | 126 |
| 1985 | 19,846 | 19,010 | 647 | 17 | 172 |
| 1986 | 29,790 | 28,919 | 624 | 16 | 231 |
| 1987 | 36,855 | 35,887 | 687 | 17 | 264 |
| 1988 | 36,212 | 35,331 | 605 | 16 | 260 |
| 1989 | 36,968 | 36,108 | 561 | 14 | 285 |
| 1990 | 39,614 | 38,769 | 463 | 4 | 378 |
| 1991 | 44,974 | 44,112 | 497 | 15 | 350 |
| 1992 | 56,568 | 56,218 | 107 | 1 | 242 |
| 1993 | 70,049 | 69,340 | 131 | 0 | 578 |
| 1994 | 89,484 | 88,554 | 300 | 0 | 630 |
| 1995 | 101,597 | 100,988 | 209 | 15 | 385 |
| 1996 | $118,591 R$ | $117,106 R$ | 293 | 111 | 1,081 |
| 1997 | 135,689 | 135,225 | 124 | 0 | 340 |

## Percent

| 1980 | $100.0 \%$ | $90.1 \%$ | $7.6 \%$ | $0.6 \%$ | $1.7 \%$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1981 | 100.0 | 90.4 | 7.5 | 0.4 | 1.7 |
| 1982 | 100.0 | 92.5 | 5.8 | 0.3 | 1.4 |
| 1983 | 100.0 | 93.8 | 4.9 | 0.2 | 1.1 |
| 1984 | 100.0 | 94.8 | 4.2 | 0.1 | 0.9 |
| 1985 | 100.0 | 95.8 | 3.2 | 0.1 | 0.9 |
| 1986 | 100.0 | 97.0 | 2.1 | 0.1 | 0.8 |
| 1987 | 100.0 | 97.4 | 1.8 | 0.1 | 0.7 |
| 1988 | 100.0 | 97.6 | 1.7 | 0.0 | 0.7 |
| 1989 | 100.0 | 97.7 | 1.5 | 0.0 | 0.8 |
| 1990 | 100.0 | 97.8 | 1.2 | 0.0 | 1.0 |
| 1991 | 100.0 | 98.1 | 1.1 | 0.0 | 0.8 |
| 1992 | 100.0 | 99.4 | 0.2 | 0.0 | 0.4 |
| 1993 | 100.0 | 99.0 | 0.2 | 0.0 | 0.8 |
| 1994 | 100.0 | 99.0 | 0.3 | 0.0 | 0.7 |
| 1995 | 100.0 | 99.4 | 0.2 | 0.0 | 0.4 |
| 1996 | 100.0 | 98.8 | 0.2 | 0.1 | 0.9 |
| 1997 | 100.0 | 99.7 | 0.1 | 0.0 | 0.2 |

$R=$ Revised

## Total Net Assets of Equity and Bond E Income Funds by Investment Objective <br> (millions of dollars)

|  | $\mathbf{1 9 9 6}$ |  |  | $\mathbf{1 9 9 7}$ |  |
| :--- | ---: | ---: | ---: | ---: | :---: |
|  | Dollars |  | Percent |  | Dollars |
|  | Percent |  |  |  |  |
| Total Net Assets | $\mathbf{\$ 2 , 6 3 7 , 3 9 8 . 0}$ | $\mathbf{1 0 0 . 0 \%}$ |  | $\mathbf{\$ 3 , 4 3 0 , 7 9 4 . 9}$ | $\mathbf{1 0 0 . 0 \%}$ |
| Aggressive Growth | $274,802.1$ | 10.4 |  | $370,208.7$ | 10.8 |
| Growth | $482,082.2$ | 18.3 |  | $675,507.6$ | 19.7 |
| Growth \& Income | $589,104.2$ | 22.3 |  | $843,284.3$ | 24.6 |
| Precious Metals | $4,949.1$ | 0.2 |  | $3,090.3$ | 0.1 |
| International | $177,414.4$ | 6.7 |  | $209,966.7$ | 6.1 |
| Global Equity | $106,554.1$ | 4.0 |  | $137,207.3$ | 4.0 |
| Income-Equity | $116,022.8$ | 4.4 |  | $160,057.2$ | 4.7 |
| Flexible Portfolio | $63,360.2$ | 2.4 |  | $80,416.5$ | 2.3 |
| Balanced | $99,202.0$ | 3.8 |  | $131,133.9$ | 3.7 |
| Income-Mixed | $88,324.6$ | 3.4 |  | $105,272.6$ | 3.1 |
| Income-Bond | $100,889.4$ | 3.8 |  | $128,986.1$ | 3.8 |
| U.S. Government Income | $79,507.9$ | 3.0 |  | $74,683.2$ | 2.2 |
| Ginnie Mae | $51,331.6$ | 2.0 |  | $53,833.2$ | 1.6 |
| Global Bond | $37,458.4$ | 1.4 |  | $41,338.3$ | 1.2 |
| Corporate Bond | $35,573.7$ | 1.4 |  | $40,430.2$ | 1.2 |
| High-yield Bond | $78,260.3$ | 3.0 |  | $104,420.8$ | 3.0 |
| National Municipal Bond-Long-term | $135,631.4$ | 5.1 |  | $144,423.2$ | 4.2 |
| State Municipal Bond-Long-term | $116,929.6$ | 4.4 |  | $126,534.8$ | 3.7 |

## Liquid Assets of Equity and Bond \& Income Funds by Investment Objective <br> (millions of dollars)

|  | 1996 |  | 1997 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Dollars | Percent | Dollars | Percent |
| Total Liquid Assets | \$139,395.8 | 100.0\% | \$176,231.1 | 100.0\% |
| Aggressive Growth | 12,687.7 | 9.1 | 16,247.0 | 9.2 |
| Growth | 29,074.6 | 20.9 | 35,472.3 | 20.1 |
| Growth \& Income | 29,234.1 | 21.0 | 40,922.3 | 23.2 |
| Precious Metals | 104.5 | 0.1 | 228.1 | 0.1 |
| International | 10,922.7 | 7.8 | 13,628.9 | 7.7 |
| Global Equity | 9,007.5 | 6.5 | 13,380.1 | 7.6 |
| Income-Equity | 5,993.9 | 4.3 | 6,540.8 | 3.7 |
| Flexible Portfolio | 4,138.5 | 3.0 | 5,554.5 | 3.2 |
| Balanced | 6,413.8 | 4.6 | 8,121.9 | 4.6 |
| Income-Mixed | 4,639.6 | 3.3 | 7,514.2 | 4.3 |
| Income-Bond | 8,607.1 | 6.2 | 10,163.9 | 5.8 |
| U.S. Government Income | (422.3) | (0.3) | 1,467.0 | 0.8 |
| Ginnie Mae | (355.0) | (0.3) | (462.0) | (0.3) |
| Global Bond | 5,446.3 | 3.9 | 4,229.7 | 2.4 |
| Corporate Bond | 1,384.3 | 1.0 | 1,548.6 | 0.9 |
| High-yield Bond | 5,229.4 | 3.7 | 5,580.8 | 3.2 |
| National Municipal Bond-Long-term | 4,517.1 | 3.2 | 3,489.6 | 2.0 |
| State Municipal Bond-Long-term | 2,772.0 | 2.0 | 2,603.4 | 1.5 |

Liquid Asset Ratio-Equity Funds

| Year | January | February | March | April | May | June | July | August | September | October | November | December |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1970 | 7.6 | 7.5 | 7.3 | 7.9 | 8.8 | 9.9 | 10.3 | 9.8 | 9.0 | 8.6 | 7.9 | 6.6 |
| 1971 | 6.3 | 6.1 | 5.4 | 4.8 | 4.2 | 4.6 | 4.9 | 4.8 | 4.0 | 4.7 | 5.3 | 4.7 |
| 1972 | 4.7 | 5.1 | 4.7 | 4.1 | 3.9 | 4.4 | 4.8 | 4.9 | 5.0 | 5.5 | 5.0 | 4.2 |
| 1973 | 4.6 | 5.5 | 6.2 | 6.7 | 7.5 | 7.6 | 7.9 | 8.0 | 7.7 | 7.0 | 7.8 | 7.5 |
| 1974 | 8.0 | 8.4 | 8.6 | 8.9 | 9.1 | 9.3 | 9.8 | 10.9 | 11.8 | 10.7 | 10.7 | 10.1 |
| 1975 | 8.8 | 9.7 | 8.2 | 7.8 | 7.5 | 6.8 | 7.1 | 7.5 | 7.8 | 7.4 | 7.6 | 7.6 |
| 1976 | 6.0 | 5.5 | 5.1 | 4.8 | 5.2 | 4.8 | 4.6 | 4.7 | 4.5 | 4.5 | 5.0 | 4.9 |
| 1977 | 5.3 | 6.0 | 6.5 | 6.1 | 6.6 | 6.2 | 6.8 | 7.5 | 7.9 | 8.2 | 8.0 | 7.5 |
| 1978 | 8.5 | 10.2 | 10.3 | 10.1 | 9.5 | 9.2 | 8.0 | 6.9 | 6.5 | 6.7 | 7.9 | 8.2 |
| 1979 | 8.1 | 8.9 | 8.3 | 8.5 | 8.8 | 8.7 | 8.7 | 8.5 | 8.2 | 7.9 | 8.2 | 7.9 |
| 1980 | 8.5 | 9.0 | 9.2 | 9.5 | 10.4 | 10.1 | 10.4 | 10.3 | 9.8 | 9.7 | 9.3 | 9.1 |
| 1981 | 8.1 | 8.4 | 8.3 | 8.5 | 9.0 | 9.0 | 8.7 | 9.4 | 10.4 | 10.8 | 11.4 | 10.5 |
| 1982 | 10.5 | 10.4 | 10.8 | 10.5 | 11.4 | 12.2 | 11.0 | 10.1 | 9.2 | 8.9 | 8.4 | 8.6 |
| 1983 | 9.7 | 9.5 | 9.9 | 9.9 | 9.5 | 9.4 | 9.0 | 7.7 | 8.6 | 7.9 | 8.7 | 7.8 |
| 1984 | 8.0 | 8.5 | 9.1 | 9.4 | 9.3 | 9.7 | 10.1 | 9.5 | 9.3 | 8.8 | 9.1 | 9.2 |
| 1985 | 8.6 | 9.3 | 8.3 | 9.1 | 8.9 | 8.8 | 9.2 | 9.8 | 9.9 | 10.7 | 9.7 | 9.4 |
| 1986 | 9.6 | 8.6 | 9.1 | 9.9 | 9.5 | 9.2 | 9.8 | 9.6 | 10.1 | 9.7 | 9.5 | 9.6 |
| 1987 | 9.4 | 9.4 | 9.0 | 10.3 | 9.3 | 9.3 | 9.3 | 8.8 | 9.2 | 10.4 | 11.2 | 9.2 |
| 1988 | 10.1 | 9.9 | 10.3 | 10.8 | 10.5 | 10.1 | 10.6 | 10.6 | 10.6 | 10.0 | 9.7 | 9.4 |
| 1989 | 9.4 | 9.0 | 8.7 | 9.8 | 9.2 | 9.8 | 9.9 | 10.2 | 10.2 | 10.6 | 11.1 | 10.4 |
| 1990 | 11.5 | 11.6 | 11.9 | 12.5 | 11.3 | 10.8 | 10.7 | 11.9 | 12.7 | 12.9 | 12.4 | 11.5 |
| 1991 | 9.6 | 9.5 | 8.8 | 8.5 | 8.5 | 8.0 | 7.7 | 7.2 | 7.4 | 7.9 | 8.4 | 7.5 |
| 1992 | 7.2 | 7.3 | 7.8 | 8.3 | 8.1 | 8.8 | 8.8 | 9.1 | 8.5 | 8.5 | 8.7 | 8.2 |
| 1993 | 8.2 | 8.8 | 9.1 | 9.5 | 8.6 | 8.4 | 8.6 | 8.1 | 8.0 | 8.3 | 8.3 | 8.0 |
| 1994 | 8.3 | 8.9 | 8.1 | 8.2 | 8.6 | 8.4 | 8.8 | 8.4 | 8.4 | 8.5 | 9.0 | 8.5 |
| 1995 | 8.6 | 8.3 | 7.6 | 7.5 | 7.5 | 7.2 | 7.1 | 7.2 | 7.0 | 7.5 | 7.9 | 7.9 |
| 1996 | 8.1 | 7.4 | 7.0 | 7.0 | 6.7 | 6.6 | 7.0 | 7.2 | 6.7 | 6.4 | 5.8 | 5.5 |
| 1997 | 5.7 | 5.7 | 6.0 | 6.3 | 6.1 | 5.6 | 5.3 | 5.4 | 5.4 | 5.5 | 5.7 | 5.3 |

Liquid Asset Ratio-Bond \& Income Funds

| Year | January | February | March | April | May | June | July | August | September | October | November | December |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1970 | 7.1 | 6.8 | 6.1 | 6.2 | 6.2 | 7.4 | 6.8 | 7.2 | 6.5 | 8.9 | 6.8 | 5.5 |
| 1971 | 4.4 | 3.5 | 3.3 | 2.4 | 3.0 | 2.9 | 2.6 | 4.1 | 4.7 | 6.5 | 5.6 | 5.7 |
| 1972 | 5.2 | 5.2 | 5.3 | 4.4 | 4.6 | 5.2 | 5.9 | 6.0 | 6.8 | 6.1 | 5.8 | 5.9 |
| 1973 | 3.3 | 3.9 | 3.9 | 4.0 | 4.6 | 4.8 | 5.8 | 6.2 | 6.3 | 5.2 | 6.3 | 6.2 |
| 1974 | 6.0 | 6.3 | 6.7 | 7.0 | 7.4 | 7.5 | 8.2 | 9.4 | 9.9 | 8.5 | 8.3 | 7.8 |
| 1975 | 9.4 | 8.5 | 7.9 | 7.8 | 8.3 | 7.4 | 7.7 | 7.8 | 7.8 | 6.9 | 7.2 | 7.7 |
| 1976 | 6.4 | 6.4 | 6.1 | 6.0 | 5.7 | 5.4 | 5.5 | 5.6 | 5.7 | 5.2 | 4.8 | 5.0 |
| 1977 | 6.5 | 6.9 | 7.2 | 6.5 | 5.9 | 6.5 | 6.5 | 5.1 | 6.4 | 7.4 | 7.4 | 6.6 |
| 1978 | 8.7 | 8.9 | 8.3 | 8.6 | 10.4 | 11.6 | 11.5 | 10.6 | 10.8 | 13.4 | 14.4 | 14.8 |
| 1979 | 14.6 | 15.3 | 14.4 | 14.7 | 14.1 | 14.0 | 13.3 | 11.3 | 13.2 | 12.8 | 13.5 | 14.2 |
| 1980 | 16.0 | 16.7 | 17.3 | 15.4 | 11.5 | 8.9 | 10.1 | 9.6 | 9.9 | 9.7 | 8.4 | 9.3 |
| 1981 | 8.6 | 9.3 | 9.1 | 9.4 | 9.4 | 8.4 | 9.6 | 9.2 | 10.8 | 10.1 | 9.4 | 6.8 |
| 1982 | 8.5 | 10.7 | 10.9 | 11.8 | 9.8 | 10.3 | 10.8 | 8.8 | 7.7 | 7.2 | 6.9 | 6.2 |
| 1983 | 6.3 | 7.0 | 6.3 | 5.8 | 6.0 | 5.8 | 7.3 | 7.9 | 7.0 | 7.2 | 7.4 | 6.5 |
| 1984 | 7.5 | 7.9 | 9.0 | 9.2 | 10.6 | 11.5 | 10.1 | 10.6 | 11.8 | 8.5 | 8.0 | 8.5 |
| 1985 | 8.5 | 9.0 | 7.7 | 9.8 | 7.8 | 7.8 | 8.0 | 8.0 | 8.6 | 9.6 | 8.8 | 7.2 |
| 1986 | 7.5 | 7.7 | 7.9 | 7.6 | 7.1 | 6.8 | 6.3 | 5.8 | 6.2 | 6.2 | 5.5 | 5.8 |
| 1987 | 6.0 | 5.6 | 6.2 | 7.3 | 6.7 | 7.0 | 6.7 | 6.6 | 7.3 | 8.0 | 8.1 | 7.8 |
| 1988 | 7.5 | 7.7 | 8.5 | 8.7 | 9.0 | 8.2 | 8.3 | 9.1 | 9.3 | 9.2 | 9.0 | 9.6 |
| 1989 | 10.8 | 10.6 | 10.2 | 10.6 | 10.0 | 9.1 | 8.2 | 7.5 | 7.6 | 7.0 | 6.8 | 6.2 |
| 1990 | 7.3 | 7.7 | 6.9 | 8.2 | 7.4 | 5.8 | 6.4 | 7.1 | 7.2 | 7.2 | 7.3 | 6.3 |
| 1991 | 7.8 | 7.2 | 7.2 | 7.1 | 7.3 | 7.7 | 7.5 | 6.9 | 6.7 | 7.3 | 6.9 | 6.7 |
| 1992 | 7.2 | 7.2 | 6.7 | 6.7 | 6.4 | 6.1 | 6.1 | 6.7 | 6.8 | 6.5 | 6.5 | 5.4 |
| 1993 | 5.6 | 5.2 | 4.7 | 4.8 | 4.9 | 4.5 | 5.3 | 5.3 | 5.8 | 6.0 | 6.0 | 5.3 |
| 1994 | 5.6 | 5.7 | 6.8 | 7.4 | 7.0 | 6.7 | 6.6 | 6.3 | 6.8 | 7.2 | 7.0 | 7.0 |
| 1995 | 7.2 | 7.1 | 6.9 | 6.9 | 7.0 | 6.2 | 6.1 | 5.9 | 5.7 | 5.7 | 5.4 | 5.4 |
| 1996 | 5.5 | 5.3 | 5.5 | 5.5 | 5.3 | 5.2 | 5.5 | 5.3 | 5.6 | 5.2 | 4.8 | 4.8 |
| 1997 | 5.1 | 5.2 | 5.9 | 6.6 | 6.2 | 5.9 | 5.4 | 5.6 | 5.2 | 5.5 | 5.4 | 4.8 |

## Distribution of Mutual Fund Assets in Equity and Bond \& Income Funds



## Net New Cash Flow* by Investment Objective (millions of dollars)

|  | 1996 | 1997 |
| :--- | ---: | ---: |
| Aggressive Growth | $\$ 55,823.4$ | $\$ 36,550.5$ |
| Growth | $46,183.2$ | $57,416.6$ |
| Growth \& Income | $64,990.7$ | $87,464.2$ |
| Precious Metals | $(330.2)$ | 9.1 |
| International | $29,780.2$ | $22,147.4$ |
| Global Equity | $16,557.9$ | $15,579.8$ |
| Income-Equity | $8,597.5$ | $11,896.3$ |
| Total Equity Funds | $\mathbf{\$ 2 2 1 , 6 0 2 . 7}$ | $\mathbf{\$ 2 3 1 , 0 6 3 . 9}$ |
| Flexible Portfolio | $\$ 1,165.1$ | $\$ 3,448.3$ |
| Balanced | $4,972.5$ | $8,819.0$ |
| Income-Mixed | $4,223.8$ | $7,741.0$ |
| Income-Bond | $8,584.4$ | $17,133.2$ |
| U.S. Government Income | $(9,007.4)$ | $(6,086.0)$ |
| Ginnie Mae | $(4,803.4)$ | $(3,723.5)$ |
| Global Bond | $(931.9)$ | $(1,143.7)$ |
| Corporate Bond | $2,449.4$ | $1,029.3$ |
| High-yield Bond | $12,319.7$ | $16,797.7$ |
| National Municipal Bond-Long-term | $(4,352.0)$ | 128.1 |
| State Municipal Bond-Long-term | $(1,984.9)$ | 352.1 |
| Total Bond \& Income Funds | $\mathbf{\$ 1 2 , 6 3 5 . 3}$ | $\$ 44,495.5$ |

*Net new cash flow is the dollar value of new sales minus redemptions, combined with net exchanges.


[^3]
## Net New Cash Flow* and Total Net Assets of Bond \& Income Funds <br> (millions of dollars)

## Year <br> 1984 <br> 1985 <br> 1986 <br> 1987 <br> 1988 <br> 1989 <br> 1990 <br> 1991 <br> 1992 <br> 1993 <br> 1994 <br> 1995

## 1996

January
February
March
April
May
June
July
August
September
October
November
December
Total
1997
January
February
March
April
May
June
July
August
September
October
November
December

## Total

Net New
Cash Flow

| Cash Flow | Net Assets |
| ---: | ---: |
| $\$ 13,320.4$ | $\$ 54,042.4$ |
| $65,196.3$ | $134,756.5$ |
| $108,606.1$ | $262,617.5$ |
| $10,904.3$ | $273,151.5$ |
| $(7,004.8)$ | $277,476.2$ |
| $3,112.3$ | $304,816.8$ |
| $8,549.2$ | $322,728.7$ |
| $67,239.2$ | $441,437.5$ |
| $93,652.0$ | $577,288.0$ |
| $113,725.9$ | $761,094.1$ |
| $(43,440.5)$ | $684,042.1$ |
| $(4,807.5)$ | $798,297.8$ |

\$4,284.4
\$810,456.9
1,933.2
1,764.5
508.5
252.1
(218.3)
(1,007.1)
(56.6)

1,917.2
(515.3)

1,426.6
2,346.1
\$12,635.3

| $\$ 3,591.9$ | $\$ 897,407.5$ |
| ---: | ---: |
| $2,280.8$ | $907,168.9$ |
| $(2,021.7)$ | $890,270.2$ |
| $1,363.7$ | $903,516.3$ |
| $2,418.2$ | $924,525.9$ |
| $2,125.8$ | $941,787.6$ |
| $4,207.4$ | $976,486.2$ |
| $7,138.8$ | $971,201.7$ |
| $3,857.6$ | $994,288.0$ |
| $3,672.0$ | $996,208.0$ |
| $10,297.8$ | $1,014,349.4$ |
| $5,563.2$ | $1,031,472.8$ |
| $\mathbf{\$ 4 4 , 4 9 5 . 5}$ | $\mathbf{\$ 1 , 0 3 1 , 4 7 2 . 8}$ |

*Net new cash flow is the dollar value of new sales minus redemptions, combined with net exchanges.

An Overview:
Sales, Redemptions and Net Sales of Equity and Bond \& Income Funds
(millions of dollars)

| Year | Sales | Redemptions | Net Sales |
| :--- | ---: | :---: | ---: |
| 1970 | $\$ 4,625.8$ | $\$ 2,987.6$ | $\$ 1,638.2$ |
| 1971 | $5,147.2$ | $4,750.2$ | 397.0 |
| 1972 | $4,892.5$ | $6,562.9$ | $(1,670.4)$ |
| 1973 | $4,359.3$ | $5,651.1$ | $(1,291.8)$ |
| 1974 | $3,091.5$ | $3,380.9$ | $(289.4)$ |
| 1975 | $3,307.2$ | $3,686.3$ | $(379.1)$ |
| 1976 | $4,360.5$ | $6,801.2$ | $(2,440.7)$ |
| 1977 | $6,399.6$ | $6,026.0$ | 373.6 |
| 1978 | $6,705.3$ | $7,232.4$ | $(527.1)$ |
| 1979 | $6,826.1$ | $8,005.0$ | $(1,178.9)$ |
| 1980 | $9,993.7$ | $8,200.0$ | $1,793.7$ |
| 1981 | $9,710.4$ | $7,470.4$ | $2,240.0$ |
| 1982 | $15,738.3$ | $7,571.8$ | $8,166.5$ |
| 1983 | $40,325.1$ | $14,677.6$ | $25,647.5$ |
| 1984 | $45,856.9$ | $20,030.2$ | $25,826.7$ |
| 1985 | $114,313.5$ | $33,763.4$ | $80,550.1$ |
| 1986 | $215,847.9$ | $67,012.7$ | $148,835.2$ |
| 1987 | $190,628.0$ | $116,224.3$ | $74,403.7$ |
| 1988 | $95,292.9$ | $92,474.1$ | $2,818.8$ |
| 1989 | $125,711.0$ | $91,655.5$ | $34,055.5$ |
| 1990 | $149,512.5$ | $98,250.9$ | $51,261.6$ |
| 1991 | $236,633.3$ | $116,325.3$ | $120,308.0$ |
| 1992 | $364,402.2$ | $165,506.6$ | $198,895.6$ |
| 1993 | $511,578.5$ | $231,356.2$ | $280,222.3$ |
| 1994 | $473,975.6$ | $329,735.6$ | $144,240.0$ |
| 1995 | $477,233.8$ | $313,582.7$ | $163,651.1$ |
| 1996 | $684,813.2$ | $398,719.1$ | $286,094.1$ |
| 1997 | $874,263.1$ | $342,762.6$ |  |

## Sales of Equity and Bond $\mathcal{E}$ Income Funds by Investment Objective <br> (millions of dollars)

|  | 1996 |  | 1997 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Dollars | Percent | Dollars | Percent |
| Total Sales | \$684,813.2 | 100.0\% | \$874,263.1 | 100.0\% |
| Aggressive Growth | 95,308.6 | 13.9 | 109,011.7 | 12.5 |
| Growth | 127,831.8 | 18.7 | 163,907.7 | 18.7 |
| Growth \& Income | 130,213.3 | 19.0 | 179,453.5 | 20.5 |
| Precious Metals | 3,289.6 | 0.5 | 2,352.3 | 0.3 |
| International | 61,869.4 | 9.0 | 86,648.5 | 9.9 |
| Global Equity | 28,812.1 | 4.2 | 37,175.2 | 4.3 |
| Income-Equity | 24,028.9 | 3.5 | 30,577.9 | 3.5 |
| Flexible Portfolio | 12,201.2 | 1.8 | 14,594.2 | 1.7 |
| Balanced | 23,513.8 | 3.4 | 29,820.2 | 3.4 |
| Income-Mixed | 25,818.9 | 3.8 | 25,285.2 | 2.9 |
| Income-Bond | 38,129.5 | 5.6 | 55,914.1 | 6.4 |
| U.S. Government Income | 18,130.6 | 2.7 | 19,379.9 | 2.2 |
| Ginnie Mae | 7,754.8 | 1.1 | 9,529.0 | 1.1 |
| Global Bond | 10,043.7 | 1.5 | 12,007.7 | 1.4 |
| Corporate Bond | 10,373.2 | 1.5 | 11,447.4 | 1.3 |
| High-yield Bond | 26,278.8 | 3.8 | 37,677.8 | 4.3 |
| National Municipal Bond-Long-term | 22,439.3 | 3.3 | 27,187.2 | 3.1 |
| State Municipal Bond-Long-term | 18,775.7 | 2.7 | 22,293.6 | 2.5 |

## Sales and Reinvested Dividends by Investment Objective (millions of dollars)

|  | Total Sales | Total Reinvested Dividends | Sales Less Reinvested Dividends |
| :---: | :---: | :---: | :---: |
| Total | \$684,813.2 | \$53,593.3 | \$631,219.9 |
| Aggressive Growth | 95,308.6 | 1,909.5 | 93,399.1 |
| Growth | 127,831.8 | 4,790.4 | 123,041.3 |
| Growth \& Income | 130,213.3 | 8,724.7 | 121,488.7 |
| Precious Metals | 3,289.6 | 139.2 | 3,150.3 |
| International | 61,869.4 | 2,266.2 | 59,603.2 |
| Global Equity | 28,812.1 | 1,472.4 | 27,339.6 |
| Income-Equity | 24,028.9 | 2,724.1 | 21,304.8 |
| Flexible Portfolio | 12,201.2 | 1,833.9 | 10,367.3 |
| Balanced | 23,513.8 | 2,921.1 | 20,592.8 |
| Income-Mixed | 25,818.9 | 3,232.2 | 22,586.6 |
| Income-Bond | 38,129.5 | 4,217.5 | 33,912.1 |
| U.S. Government Income | 18,130.6 | 3,209.9 | 14,920.7 |
| Ginnie Mae | 7,754.8 | 2,018.9 | 5,735.9 |
| Global Bond | 10,043.7 | 1,599.7 | 8,444.0 |
| Corporate Bond | 10,373.2 | 1,525.3 | 8,847.9 |
| High-yield Bond | 26,278.8 | 3,631.7 | 22,647.2 |
| National Municipal Bond-Long-term | 22,439.3 | 4,142.7 | 18,296.6 |
| State Municipal Bond-Long-term | 18,775.7 | 3,233.9 | 15,541.8 |

1997

## Total

| Aggressive Growth | $109,011.7$ |
| :--- | ---: |
| Growth | $163,907.7$ |
| Growth \& Income | $179,453.5$ |
| Precious Metals | $2,352.3$ |
| International | $86,648.5$ |
| Global Equity | $37,175.2$ |
| Income-Equity | $30,577.9$ |
| Flexible Portfolio | $14,594.2$ |
| Balanced | $29,820.2$ |
| Income-Mixed | $25,285.2$ |
| Income-Bond | $55,914.1$ |
| U.S. Government Income | $19,379.9$ |
| Ginnie Mae | $9,529.0$ |
| Global Bond | $12,007.7$ |
| Corporate Bond | $11,447.4$ |
| High-yield Bond | $37,677.8$ |
| National Municipal Bond-Long-term | $27,187.2$ |
| State Municipal Bond-Long-term | $22,293.6$ |


| Total <br> Reinvested Dividends <br> $\mathbf{\$ 5 8 , 9 4 7 . 5}$ | Sales Less <br> Reinvested Dividends <br> $\mathbf{\$ 8 1 5 , 3 1 5 . 6}$ |
| :---: | :---: |
| $1,258.1$ | $107,753.6$ |
| $4,636.1$ | $159,271.6$ |
| $10,507.8$ | $168,945.8$ |
| 26.4 | $2,325.9$ |
| $2,829.9$ | $83,818.6$ |
| $1,673.6$ | $35,501.6$ |
| $3,146.9$ | $27,431.0$ |
| $2,164.9$ | $12,429.3$ |
| $3,561.1$ | $26,259.1$ |
| $3,471.6$ | $21,813.6$ |
| $5,187.2$ | $50,726.9$ |
| $2,865.9$ | $16,514.0$ |
| $2,100.8$ | $7,428.2$ |
| $1,610.5$ | $10,397.2$ |
| $1,704.2$ | $9,743.2$ |
| $4,787.9$ | $32,889.8$ |
| $4,141.1$ | $23,046.1$ |
| $3,273.5$ | $19,020.1$ |

## Equity and Bond \& Income Funds' Distributions to Shareholders

(millions of dollars)

Distributions from
Net Investment Income

## \$1,414.1

Net Realized<br>Capital Gains

\$922.1
775.5

1,402.6
943.3
484.3
219.2
470.9
634.8
710.6
929.9

1,774.2
2,697.2
2,350.1
4,391.6
6,019.2
4,984.6
17,463.8
22,975.6
31,978.3 6,345.3
$34,096.1 \quad 14,802.8$
32,917.7 8,054.6
35,322.2 14,116.1
59,177.0 22,335.6
73,302.4 36,105.3
$61,558.3 R \quad 29,969.6$
$67,536.2 \quad 54,572.6$
73,683.1 101,073.5
80,021.1 184,147.4
$R=$ Revised

## Annual Redemption Rate for Equity and Bond \& Income Funds <br> (millions of dollars)

| Year | Average <br> Total Net Assets | Redemptions | Redemption Rate |
| :--- | :---: | :---: | :---: |
| 1970 | $\$ 47,954$ | $\$ 2,988$ | $6.2 \%$ |
| 1971 | 51,332 | 4,750 | 9.3 |
| 1972 | 57,438 | 6,563 | 11.4 |
| 1973 | 53,175 | 5,651 | 10.6 |
| 1974 | 40,290 | 3,381 | 8.4 |
| 1975 | 38,120 | 3,686 | 9.7 |
| 1976 | 44,880 | 6,801 | 15.2 |
| 1977 | 46,316 | 6,026 | 13.0 |
| 1978 | 45,014 | 7,232 | 16.1 |
| 1979 | 46,980 | 8,005 | 17.0 |
| 1980 | 53,690 | 8,200 | 15.3 |
| 1981 | 56,803 | 7,470 | 13.2 |
| 1982 | 66,024 | 7,572 | 11.5 |
| 1983 | 95,220 | 14,678 | 15.4 |
| 1984 | 125,362 | 20,030 | 16.0 |
| 1985 | 194,411 | 33,763 | 17.4 |
| 1986 | 337,926 | 67,013 | 19.8 |
| 1987 | 438,999 | 116,224 | 26.5 |
| 1988 | 463,070 | 92,474 | 20.0 |
| 1989 | 513,079 | 91,656 | 17.9 |
| 1990 | 561,189 | 98,251 | 17.5 |
| 1991 | 710,787 | 116,325 | 16.4 |
| 1992 | 976,561 | 165,507 | 16.9 |
| 1993 | $1,30,056$ | 231,356 | 17.7 |
| 1994 | $1,530,269$ | 329,736 | 21.5 |
| 1995 | $1,808,914$ | 313,583 | 17.3 |
| 1996 | $2,352,368$ | 598,719 | 17.9 |
| 1997 | $3,034,096$ |  |  |

Note: "Average Total Net Assets" are an average of values at the beginning of the year and at the end of the year. The redemption rate is the dollar redemption volume as a percent of average assets.

## Redemptions of Equity and Bond $\mathcal{E}$ Income Funds by Investment Objective <br> (millions of dollars)

|  | 1996 |  | 1997 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Dollars | Percent | Dollars | Percent |
| Total Redemptions | \$398,719.1 | 100.0\% | \$542,762.6 | 100.0\% |
| Aggressive Growth | 45,522.9 | 11.4 | 72,000.9 | 13.3 |
| Growth | 73,894.1 | 18.5 | 104,029.6 | 19.2 |
| Growth \& Income | 61,907.8 | 15.5 | 90,416.9 | 16.7 |
| Precious Metals | 3,152.9 | 0.8 | 2,369.9 | 0.4 |
| International | 31,927.0 | 8.0 | 58,737.9 | 10.8 |
| Global Equity | 12,508.0 | 3.1 | 20,062.5 | 3.7 |
| Income-Equity | 14,129.4 | 3.6 | 16,862.6 | 3.1 |
| Flexible Portfolio | 7,432.1 | 1.9 | 8,586.8 | 1.6 |
| Balanced | 14,238.0 | 3.6 | 17,455.8 | 3.2 |
| Income-Mixed | 16,801.0 | 4.2 | 13,122.4 | 2.4 |
| Income-Bond | 24,429.5 | 6.1 | 33,329.8 | 6.1 |
| U.S. Government Income | 20,521.0 | 5.2 | 20,180.4 | 3.7 |
| Ginnie Mae | 9,328.1 | 2.3 | 10,233.4 | 1.9 |
| Global Bond | 9,095.1 | 2.3 | 10,626.1 | 2.0 |
| Corporate Bond | 6,154.2 | 1.5 | 8,424.6 | 1.5 |
| High-yield Bond | 11,882.6 | 3.0 | 17,640.3 | 3.3 |
| National Municipal Bond-Long-term | 19,663.4 | 4.9 | 21,726.4 | 4.0 |
| State Municipal Bond-Long-term | 16,132.0 | 4.1 | 16,956.3 | 3.1 |

Total Purchases, Total Sales and Net Purchases of Portfolio Securities by Mutual Funds
(millions of dollars)

| Year | Total Purchases | Total Sales | Net Purchases |
| :--- | :---: | :---: | :---: |
| 1970 | $\$ 20,405.0$ | $\$ 18,588.5$ | $\$ 1,816.5$ |
| 1971 | $25,360.2$ | $24,793.8$ | 566.4 |
| 1972 | $24,467.6$ | $25,823.6$ | $(1,356.0)$ |
| 1973 | $19,706.6$ | $21,903.0$ | $(2,196.4)$ |
| 1974 | $12,299.7$ | $12,213.5$ | 86.2 |
| 1975 | $15,396.9$ | $15,511.4$ | $(114.5)$ |
| 1976 | $15,348.2$ | $16,881.2$ | $(1,533.0)$ |
| 1977 | $18,168.0$ | $19,420.7$ | $(1,252.7)$ |
| 1978 | $20,945.6$ | $23,069.7$ | $12,124.1)$ |
| 1979 | $22,412.1$ | $23,702.5$ | $(1,290.4)$ |
| 1980 | $32,987.2$ | $32,080.6$ | 906.6 |
| 1981 | $36,161.7$ | $33,709.2$ | $2,452.5$ |
| 1982 | $55,682.0$ | $47,920.7$ | $7,761.3$ |
| 1983 | $93,009.5$ | $71,466.5$ | $21,543.0$ |
| 1984 | $119,272.4$ | $98,929.6$ | $20,342.8$ |
| 1985 | $259,578.5$ | $186,974.6$ | $72,603.9$ |
| 1986 | $501,058.5$ | $365,167.6$ | $135,890.9$ |
| 1987 | $531,075.8$ | $485,640.1$ | $45,435.7$ |
| 1988 | $410,714.2$ | $421,449.7$ | $(10,735.5)$ |
| 1989 | $472,218.6$ | $445,730.4$ | $26,488.2$ |
| 1990 | $555,699.8$ | $506,547.9$ | $49,151.9$ |
| 1991 | $736,771.8$ | $608,908.4$ | $127,863.4$ |
| 1992 | $950,632.5$ | $758,972.1$ | $191,660.4$ |
| 1993 | $1,337,057.0$ | $1,061,038.5$ | $276,018.5$ |
| 1994 | $1,435,130.6$ | $1,330,271.9$ | $104,858.7$ |
| 1995 | $1,553,663.1$ | $1,402,986.1$ | $150,677.0$ |
| 1996 | $2,023,712.7$ | $1,740,366.7$ | $283,346.0$ |
| 1997 | $2,390,469.3$ | $2,112,108.4$ | $278,360.9$ |

Total Purchases, Total Sales and Net Purchases of Common Stocks by Mutual Funds
(millions of dollars)

| Year | Total Purchases | Total Sales | Net Purchases |
| :--- | :---: | :---: | :---: |
| 1970 | $\$ 17,127.6$ | $\$ 15,900.8$ | $\$ 1,226.8$ |
| 1971 | $21,557.7$ | $21,175.1$ | 382.6 |
| 1972 | $20,943.5$ | $22,552.8$ | $(1,609.3)$ |
| 1973 | $15,560.7$ | $17,504.4$ | $(1,943.7)$ |
| 1974 | $9,085.3$ | $9,372.1$ | $(286.8)$ |
| 1975 | $10,948.7$ | $11,902.3$ | $(953.6)$ |
| 1976 | $10,729.1$ | $13,278.3$ | $(2,549.2)$ |
| 1977 | $8,704.7$ | $12,211.3$ | $(3,506.6)$ |
| 1978 | $12,832.9$ | $14,454.7$ | $(1,621.8)$ |
| 1979 | $13,089.0$ | $15,923.0$ | $(2,834.0)$ |
| 1980 | $19,893.8$ | $21,799.9$ | $(1,906.1)$ |
| 1981 | $20,859.7$ | $21,278.3$ | $(418.6)$ |
| 1982 | $27,397.2$ | $24,939.6$ | $2,457.6$ |
| 1983 | $54,581.7$ | $40,813.9$ | $13,767.8$ |
| 1984 | $56,587.9$ | $50,895.0$ | $5,692.9$ |
| 1985 | $80,783.1$ | $72,577.3$ | $8,205.8$ |
| 1986 | $134,711.0$ | $118,091.9$ | $16,619.1$ |
| 1987 | $199,042.0$ | $176,084.9$ | $22,957.1$ |
| 1988 | $112,831.8$ | $128,896.2$ | $(16,064.4)$ |
| 1989 | $142,965.5$ | $141,748.3$ | $1,217.2$ |
| 1990 | $166,753.5$ | $146,743.9$ | $20,009.6$ |
| 1991 | $250,734.7$ | $209,536.1$ | $41,198.6$ |
| 1992 | $328,330.0$ | $262,121.7$ | $66,208.3$ |
| 1993 | $507,808.7$ | $381,334.1$ | $126,474.6$ |
| 1994 | $629,628.8$ | $512,992.1$ | $116,636.7$ |
| 1995 | $792,330.5$ | $688,771.4$ | $103,559.1$ |
| 1996 | $1,154,990.8$ | $929,870.5$ | $225,120.3$ |
| 1997 | $1,460,757.8$ | $1,270,418.4$ | $190,339.4$ |

Total Purchases, Total Sales and Net Purchases of Securities Other Than Common Stocks by Mutual Funds (millions of dollars)

| Year | Total Purchases | Total Sales | Net Purchases |
| :--- | :---: | :---: | :---: |
| 1970 | $\$ 3,277.4$ | $\$ 2,687.7$ | $\$ 589.7$ |
| 1971 | $3,802.5$ | $3,618.6$ | 183.9 |
| 1972 | $3,524.1$ | $3,270.9$ | 253.2 |
| 1973 | $4,145.9$ | $4,398.7$ | $(252.8)$ |
| 1974 | $3,214.4$ | $2,841.4$ | 373.0 |
| 1975 | $4,448.2$ | $3,609.1$ | 839.1 |
| 1976 | $4,619.1$ | $3,602.9$ | $1,016.2$ |
| 1977 | $9,463.3$ | $7,209.4$ | $2,253.9$ |
| 1978 | $8,112.7$ | $8,615.0$ | 1502.31 |
| 1979 | $9,323.1$ | $7,779.5$ | $1,543.6$ |
| 1980 | $13,093.4$ | $10,280.7$ | $2,812.7$ |
| 1981 | $15,302.0$ | $12,430.9$ | $2,871.1$ |
| 1982 | $28,284.8$ | $22,981.1$ | $5,303.7$ |
| 1983 | $38,427.7$ | $30,652.6$ | $7,775.1$ |
| 1984 | $62,684.6$ | $48,034.6$ | $14,650.0$ |
| 1985 | $178,795.3$ | $114,397.3$ | $64,398.0$ |
| 1986 | $366,347.5$ | $247,075.7$ | $119,271.8$ |
| 1987 | $332,033.8$ | $309,555.2$ | $22,478.6$ |
| 1988 | $297,882.5$ | $292,553.5$ | $5,329.0$ |
| 1989 | $329,253.2$ | $303,982.1$ | $25,271.1$ |
| 1990 | $388,946.3$ | $359,804.0$ | $29,142.3$ |
| 1991 | $486,037.1$ | $399,372.3$ | $86,664.8$ |
| 1992 | $622,302.5$ | $496,850.4$ | $125,452.1$ |
| 1993 | $829,248.3$ | $679,704.4$ | $149,543.9$ |
| 1994 | $805,501.8$ | $817,279.8$ | $11,778.0$ |
| 1995 | $761,332.6$ | $714,214.7$ | $47,117.9$ |
| 1996 | $868,721.9$ | $810,496.2$ | $88,225.7$ |
| 1997 | $929,711.5$ | $841,690.0$ |  |
|  |  |  | 81.5 |

## Portfolio Purchases by Investment Objective (millions of dollars)

|  | All Securities |  | Common Stock Only |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1996 | 1997 | 1996 | 1997 |
| Total | \$2,023,712.7 | \$2,390,469.3 | \$1,154,990.8 | \$1,460,757.8 |
| Aggressive Growth | 275,026.0 | 327,676.4 | 270,313.8 | 322,197.9 |
| Growth | 371,324.6 | 444,529.7 | 356,178.0 | 434,142.6 |
| Growth \& Income | 269,570.5 | 378,084.7 | 240,068.8 | 345,867.9 |
| Precious Metals | 3,817.0 | 2,410.8 | 3,709.9 | 2,366.3 |
| International | 89,222.4 | 128,401.4 | 81,277.3 | 119,056.6 |
| Global Equity | 58,740.8 | 85,664.4 | 54,135.4 | 77,348.7 |
| Income-Equity | 77,643.1 | 76,054.9 | 58,102.2 | 57,651.5 |
| Flexible Portfolio | 69,951.1 | 76,344.9 | 28,872.3 | 34,022.3 |
| Balanced | 74,134.7 | 93,801.6 | 37,415.8 | 46,800.7 |
| Income-Mixed | 87,992.4 | 100,908.0 | 14,618.7 | 10,656.5 |
| Income-Bond | 139,383.5 | 173,618.3 | 1,148.0 | 1,322.7 |
| U.S. Government Income | 156,844.8 | 129,818.9 | 11.7 | 0.0 |
| Ginnie Mae | 73,685.4 | 65,471.7 | 0.0 | 0.0 |
| Global Bond | 54,441.4 | 53,347.5 | 5,670.1 | 5,505.4 |
| Corporate Bond | 36,254.3 | 36,394.0 | 255.7 | 924.7 |
| High-yield Bond | 71,878.3 | 107,520.8 | 3,213.1 | 2,889.7 |
| National Municipal Bond-Long-term | 67,769.7 | 66,316.8 | 0.0 | 4.3 |
| State Municipal Bond-Long-term | 46,032.7 | 44,104.5 | 0.0 | 0.0 |

## Portfolio Sales by Investment Objective (millions of dollars)

|  | All Securities |  | Common Stock Only |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1996 | 1997 | 1996 | 1997 |
| Total | \$1,740,366.7 | \$2,112,108.4 | \$929,870.5 | \$1,270,418.4 |
| Aggressive Growth | 226,613.6 | 299,059.0 | 221,438.6 | 294,011.2 |
| Growth | 320,536.9 | 398,439.4 | 299,913.2 | 387,280.2 |
| Growth \& Income | 199,900.1 | 300,300.3 | 173,913.5 | 272,103.4 |
| Precious Metals | 4,174.5 | 2,596.8 | 4,074.0 | 2,552.2 |
| International | 60,911.4 | 107,171.7 | 55,416.4 | 100,554.5 |
| Global Equity | 40,653.4 | 68,719.4 | 37,796.8 | 65,116.0 |
| Income-Equity | 67,408.2 | 64,574.0 | 51,441.2 | 49,411.6 |
| Flexible Portfolio | 64,255.6 | 72,558.2 | 30,317.0 | 31,649.9 |
| Balanced | 65,211.5 | 83,336.1 | 34,345.5 | 44,636.2 |
| Income-Mixed | 78,102.0 | 91,596.1 | 12,740.3 | 12,267.9 |
| Income-Bond | 124,223.6 | 154,288.3 | 1,039.1 | 1,205.8 |
| U.S. Government Income | 157,358.4 | 129,707.3 | 11.9 | 0.2 |
| Ginnie Mae | 73,526.4 | 63,940.3 | 0.0 | 0.0 |
| Global Bond | 54,158.5 | 50,741.8 | 4,666.3 | 5,828.1 |
| Corporate Bond | 33,101.0 | 33,728.7 | 177.1 | 755.7 |
| High-yield Bond | 57,404.7 | 86,627.8 | 2,577.7 | 3,035.1 |
| National Municipal Bond-Long-term | 67,445.6 | 63,278.2 | 1.9 | 4.7 |
| State Municipal Bond-Long-term | 45,381.3 | 41,445.0 | 0.0 | 5.7 |

## Total Short-term Funds

(millions of dollars)

| Year | Total Sales | Total Redemptions | Net Sales | Net New Cash Flow* | Number of Funds | Total Accounts Outstanding | Total Net Assets |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1980 | \$237,427.7 | \$207,877.7 | \$29,550.0 | \$24,022.7 | 106 | 4,762,103 | \$76,361.3 |
| 1981 | 462,422.6 | 354,972.1 | 107,450.5 | 91,143.7 | 179 | 10,323,466 | 186,158.2 |
| 1982 | 611,202.9 | 580,778.4 | 30,424.5 | 9,184.1 | 318 | 13,258,143 | 219,837.5 |
| 1983 | 507,447.0 | 551,151.3 | $(43,704.3)$ | $(55,664.9)$ | 373 | 12,539,688 | 179,386.5 |
| 1984 | 634,226.7 | 586,992.4 | 47,234.3 | 35,062.4 | 421 | 13,844,697 | 233,553.8 |
| 1985 | 839,498.8 | 831,121.2 | 8,377.6 | (5,381.8) | 457 | 14,934,631 | 243,802.4 |
| 1986 | 989,816.0 | 948,641.3 | 41,174.7 | 33,861.8 | 485 | 16,313,148 | 292,151.6 |
| 1987 | 1,060,949.2 | 1,062,519.7 | $(1,570.5)$ | 10,191.2 | 541 | 17,674,790 | 316,096.1 |
| 1988 | 1,081,702.0 | 1,074,373.5 | 7,328.5 | 74.7 | 605 | 18,569,817 | 337,956.5 |
| 1989 | 1,319,492.6 | 1,235,643.0 | 83,849.6 | 64,053.4 | 664 | 21,314,228 | 428,093.2 |
| 1990 | 1,415,711.8 | 1,372,713.4 | 42,998.4 | 23,221.5 | 743 | 22,970,493 | 498,374.9 |
| 1991 | 1,800,744.7 | 1,763,094.9 | 37,649.8 | 5,484.4 | 821 | 23,556,000 | 542,441.7 |
| 1992 | 2,386,288.0 | 2,382,893.3 | 3,394.7 | $(16,299.6)$ | 865 | 23,647,198 | 546,194.5 |
| 1993 | 2,677,539.5 | 2,673,456.9 | 4,082.6 | $(14,109.7)$ | 920 | 23,585,346 | 565,319.1 |
| 1994 | 2,603,330.5 | 2,598,992.9 | 4,337.6 | 8,767.0 | 963 | 25,382,690 | 611,004.5 |
| 1995 | 3,125,209.0 | 3,001,928.0 | 123,281.0 | 89,411.1 | 997 | 30,144,344 | 753,017.8 |
| 1996 | 3,990,534.2 | 3,868,773.6 | 121,760.6 | 89,423.6 | 988 | 32,199,937 | 901,806.9 |
| 1997 | 4,930,566.0 | 4,782,897.7 | 147,668.3 | 102,043.1 | 1,013 | 35,624,076 | 1,058,885.7 |

*Net new cash flow is the dollar value of new sales minus redemptions, combined with net exchanges.

## An Overview: Taxable Money Market Funds

(millions of dollars)

| Year | Total Sales | Total Redemptions | Net Sales | Net New Cash Flow | Number of Funds | Total Accounts Outstanding | Average Maturity (days) | Total Net Assets |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1975 | \$6,748.7 | \$5,883.9 | \$864.8 | - | 36 | 208,777 | 93 | \$3,695.7 |
| 1976 | 9,360.9 | 9,609.2 | (248.3) | (\$1,128.5) | 48 | 180,676 | 110 | 3,685.8 |
| 1977 | 10,673.0 | 10,662.7 | 10.3 | $(1,124.5)$ | 50 | 177,522 | 76 | 3,887.7 |
| 1978 | 30,452.2 | 24,294.5 | 6,157.7 | 6,382.2 | 61 | 467,803 | 42 | 10,858.0 |
| 1979 | 111,855.1 | 78,363.4 | 33,491.7 | 31,778.2 | 76 | 2,307,852 | 34 | 45,214.2 |
| 1980 | 232,172.8 | 204,068.5 | 28,104.3 | 22,527.6 | 96 | 4,745,572 | 24 | 74,447.7 |
| 1981 | 451,889.5 | 346,701.5 | 105,188.0 | 88,939.7 | 159 | 10,282,095 | 34 | 181,910.4 |
| 1982 | 581,758.9 | 559,581.1 | 22,177.8 | 1,704.2 | 281 | 13,101,347 | 37 | 206,607.5 |
| 1983 | 462,978.7 | 508,729.9 | $(45,751.2)$ | $(57,437.5)$ | 307 | 12,276,639 | 37 | 162,549.5 |
| 1984 | 571,959.3 | 531,050.9 | 40,908.4 | 29,163.5 | 329 | 13,556,180 | 43 | 209,731.9 |
| 1985 | 730,073.8 | 732,343.0 | $(2,269.2)$ | 15,884.1 | 346 | 14,435,386 | 42 | 207,535.3 |
| 1986 | 792,349.1 | 776,303.2 | 16,045.9 | 9,028.8 | 359 | 15,653,595 | 40 | 228,345.8 |
| 1987 | 869,099.1 | 865,668.4 | 3,430.7 | 13,054.6 | 388 | 16,832,666 | 31 | 254,676.4 |
| 1988 | 903,425.9 | 899,397.3 | 4,028.6 | $(1,512.4)$ | 431 | 17,630,528 | 28 | 272,293.3 |
| 1989 | 1,134,647.8 | 1,055,142.4 | 79,505.4 | 62,537.5 | 463 | 20,173,265 | 38 | 358,719.2 |
| 1990 | 1,218,936.0 | 1,183,065.7 | 35,870.3 | 17,433.2 | 508 | 21,577,559 | 41 | 414,733.3 |
| 1991 | 1,569,852.0 | 1,536,499.7 | 33,352.3 | 4,420.8 | 554 | 21,863,352 | 50 | 452,559.2 |
| 1992 | 2,099,796.8 | 2,101,327.8 | $(1,531.0)$ | $(20,468.2)$ | 586 | 21,770,693 | 51 | 451,353.4 |
| 1993 | 2,335,653.0 | 2,336,932.2 | (1,279.2) | $(19,122.3)$ | 628 | 21,586,862 | 49 | 461,903.9 |
| 1994 | 2,233,904.8 | 2,228,905.6 | 4,999.2 | 7,890.5 | 644 | 23,338,196 | 34 | 500,427.8 |
| 1995 | 2,727,886.4 | 2,616,013.5 | 111,872.9 | 82,080.4 | 672 | 27,852,374 | 52 | 629,729.2 |
| 1996 | 3,522,304.7 | 3,414,032.4 | 108,272.3 | 79,185.4 | 665 | 29,901,153 | 49 | 761,754.8 |
| 1997 | 4,393,219.9 | 4,263,918.7 | 129,301.2 | 86,707.6 | 682 | 32,960,623 | 46 | 898,083.1 |

## An Overview: Tax-exempt Money Market Funds

(millions of dollars)

| Year |  | Total Sales | Total Redemptions | Net Sales | Net New Cash Flow* | Number of Funds | Total Accounts Outstanding | Total Net Assets |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1982 |  | \$29,444.0 | \$22,197.3 | \$7,246.7 | \$7,480.0 | 37 | 156,796 | \$13,230.0 |
| 1983 |  | 44,468.3 | 42,421.4 | 2,046.9 | 1,772.6 | 66 | 263,049 | 16,837.0 |
| 1984 |  | 62,267.4 | 55,941.5 | 6,325.9 | 5,898.9 | 95 | 288,517 | 23,821.9 |
| 1985 |  | 109,425.0 | 98,778.2 | 10,646.8 | 10,502.3 | 111 | 499,245 | 36,267.1 |
| 1986 | National | 188,017.3 | 165,329.1 | 22,688.2 | 22,240.1 | 100 | 604,055 | 59,367.5 |
|  | State | 9,449.7 | 7,009.1 | 2,440.6 | 2,592.8 | 26 | 55,498 | 4,438.2 |
| 1987 | National | 179,215.0 | 185,031.1 | $(5,816.1)$ | $(4,926.4)$ | 111 | 731,265 | 54,555.8 |
|  | State | 12,635.1 | 11,820.2 | 814.9 | 2,063.0 | 42 | 110,859 | 6,863.9 |
| 1988 | National | 158,085.8 | 158,120.8 | (35.0) | $(2,214.3)$ | 120 | 754,068 | 54,541.7 |
|  | State | 20,190.4 | 16,855.5 | 3,334.9 | 3,801.4 | 54 | 185,221 | 11,118.5 |
| 1989 | National | 152,713.4 | 151,851.4 | 862.0 | $(2,053.4)$ | 129 | 875,626 | 52,824.7 |
|  | State | 32,131.3 | 28,649.2 | 3,482.1 | 3,569.4 | 72 | 265,337 | 16,549.4 |
| 1990 | National | 155,956.9 | 153,363.8 | 2,593.1 | 1,162.5 | 132 | 984,301 | 59,200.5 |
|  | State | 40,818.9 | 36,283.9 | 4,535.0 | 4,625.8 | 103 | 408,633 | 24,441.1 |
| 1991 | National | 181,137.9 | 178,927.1 | 2,210.8 | 474.1 | 141 | 1,139,741 | 62,338.0 |
|  | State | 49,754.8 | 47,668.1 | 2,086.7 | 589.4 | 126 | 552,907 | 27,544.5 |
| 1992 | National | 223,414.2 | 220,832.0 | 2,582.2 | 2,659.5 | 139 | 1,120,747 | 64,863.3 |
|  | State | 63,077.0 | 60,733.5 | 2,343.5 | 1,509.1 | 140 | 755,758 | 29,977.8 |
| 1993 | National | 264,920.5 | 261,742.8 | 3,177.7 | 2,773.4 | 146 | 1,237,691 | 70,501.3 |
|  | State | 76,966.0 | 74,781.9 | 2,184.1 | 2,239.2 | 146 | 760,793 | 32,913.9 |
| 1994 | National | 282,293.5 | 284,070.6 | $(1,777.1)$ | (855.6) | 157 | 1,273,384 | 73,417.8 |
|  | State | 87,132.2 | 86,016.7 | 1,115.5 | 1,732.1 | 162 | 771,110 | 37,158.9 |
| 1995 | National | 293,120.5 | 288,032.3 | 5,088.2 | 2,508.8 | 158 | 1,384,887 | 79,639.1 |
|  | State | 104,202.1 | 97,882.2 | 6,319.9 | 4,821.9 | 167 | 907,083 | 43,649.5 |
| 1996 | National | 342,838.4 | 336,204.2 | 6,634.1R | 4,451.8 | 158 | 1,353,979 | 89,328.4 |
|  | State | 125,391.1 | 118,537.0 | 6,854.1 | 5,786.4 | 165 | 944,805 | 50,723.7 |
| 1997 | National | 385,283.0 | 374,784.7 | 10,498.3 | 8,802.1 | 156 | 1,557,399 | 100,911.3 |
|  | State | 152,063.1 | 144,194.3 | 7,868.8 | 6,533.4 | 175 | 1,106,054 | 59,891.3 |

# Taxable Money Market Fund Monthly Total Net Assets by Type of Fund <br> (thousands of dollars) 

|  | Individual | Institutional | Total |
| :---: | :---: | :---: | :---: |
| 1995 |  |  |  |
| January | \$357,382,640 | \$166,568,603 | \$523,951,243 |
| February | 358,212,078 | 164,298,299 | 522,510,377 |
| March | 361,081,603 | 164,329,410 | 525,411,013 |
| April | 366,154,066 | 169,245,990 | 535,400,056 |
| May | 378,902,997 | 174,854,321 | 553,757,318 |
| June | 389,832,858 | 179,114,476 | 568,947,334 |
| July | 403,114,016 | 185,871,885 | 588,985,901 |
| August | 409,685,271 | 185,439,485 | 595,124,756 |
| September | 409,666,331 | 181,371,778 | 591,038,109 |
| October | 421,734,184 | 188,573,572 | 610,307,756 |
| November | 429,808,093 | 195,590,256 | 625,398,349 |
| December | 428,563,762 | 201,165,388 | 629,729,150 |
| 1996 |  |  |  |
| January | \$435,556,931 | \$214,660,865 | \$650,217,796 |
| February | 453,346,889 | 235,565,899 | 688,912,788 |
| March | 458,882,381 | 228,768,048 | 687,650,429 |
| April | 453,380,107 | 228,012,833 | 681,392,940 |
| May | 454,965,114 | 231,060,292 | 686,025,406 |
| June | 457,718,067 | 227,992,523 | 685,710,590 |
| July | 474,876,778 | 232,407,957 | 707,284,735 |
| August | 478,434,103 | 241,709,224 | 720,143,327 |
| September | 475,528,200 | 241,749,023 | 717,277,223 |
| October | 481,824,413 | 257,070,511 | 738,894,924 |
| November | 489,426,047 | 265,526,216 | 754,952,263 |
| December | 497,522,278 | 264,232,562 | 761,754,840 |
| 1997 |  |  |  |
| January | \$506,709,297 | \$281,817,039 | \$788,526,336 |
| February | 517,100,488 | 294,684,796 | 811,785,284 |
| March | 527,692,049 | 286,975,708 | 814,667,757 |
| April | 520,686,747 | 283,835,300 | 804,522,047 |
| May | 525,993,431 | 287,895,976 | 813,889,407 |
| June | 525,820,781 | 291,451,736 | 817,272,517 |
| July | 536,047,833 | 297,268,702 | 833,316,535 |
| August | 556,151,852 | 308,537,263 | 864,689,115 |
| September | 553,686,696 | 308,591,102 | 862,277,798 |
| October | 564,748,097 | 318,841,203 | 883,589,300 |
| November | 570,783,408 | 325,492,770 | 896,276,178 |
| December | 568,878,613 | 329,204,508 | 898,083,121 |

## Taxable Money Market Fund Shareholder Accounts by Type of Fund

|  | Individual | Institutional | Total |
| :---: | :---: | :---: | :---: |
| 1995 |  |  |  |
| January | 23,571,930 | 267,969 | 23,839,899 |
| February | 23,703,905 | 262,683 | 23,966,588 |
| March | 24,260,028 | 1,905,168 | 26,165,196 |
| April | 24,618,734 | 1,861,850 | 26,480,584 |
| May | 24,849,872 | 1,868,446 | 26,718,318 |
| June | 24,882,418 | 1,890,559 | 26,772,977 |
| July | 25,229,823 | 1,910,666 | 27,140,489 |
| August | 25,289,492 | 1,943,138 | 27,232,630 |
| September | 25,335,138 | 1,942,867 | 27,278,005 |
| October | 25,663,759 | 1,959,085 | 27,622,844 |
| November | 25,946,042 | 2,022,049 | 27,968,091 |
| December | 25,841,223 | 2,011,151 | 27,852,374 |
| 1996 |  |  |  |
| January | 26,167,616 | 2,030,701 | 28,198,317 |
| February | 26,589,134 | 2,078,542 | 28,667,676 |
| March | 27,121,479 | 2,138,847 | 29,260,326 |
| April | 27,211,629 | 2,197,920 | 29,409,549 |
| May | 27,104,828 | 2,370,413 | 29,475,241 |
| June | 27,155,990 | 2,330,777 | 29,486,767 |
| July | 27,642,944 | 2,419,802 | 30,062,746 |
| August | 27,740,476 | 2,386,004 | 30,126,480 |
| September | 27,234,441 | 2,415,111 | 29,649,552 |
| October | 27,542,132 | 2,482,649 | 30,024,781 |
| November | 27,273,829 | 2,492,744 | 29,766,573 |
| December | 27,343,926 | 2,557,227 | 29,901,153 |

1997

| January | $27,437,864$ | $2,522,327$ | $29,960,191$ |
| :--- | :--- | :--- | :--- |
| February | $27,786,010$ | $30,312,579$ |  |
| March | $28,069,150$ | $30,672,123$ |  |
| April | $28,300,077$ | $30,960,569$ | $31,179,078$ |
| May | $28,459,943$ | $2,660,321$ | $31,228,666$ |
| June | $28,544,175$ | $31,617,388$ |  |
| July | $28,791,017$ | $2,684,491$ | $32,021,932$ |
| August | $29,162,371$ | $2,826,371$ | $32,243,719$ |
| September | $29,393,783$ | $2,859,561$ | $32,462,483$ |
| October | $29,621,602$ | $2,849,936$ | $32,916,151$ |
| November | $30,026,046$ | $2,840,881$ | $32,960,623$ |

## Taxable Money Market Fund Asset Composition <br> (millions of dollars)

|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total Net Assets | \$452,559.1 | \$451,353.4 | \$461,903.9 | \$500,427.8 | \$629,729.1 | \$761,754.8 | \$898,083.1 |
| U.S. Treasury Bills | 47,645.5 | 47,284.4 | 53,188.7 | 44,348.2 | 42,280.8 | 41,960.6 | 40,955.2 |
| Other Treasury Securities | 32,077.5 | 32,544.6 | 28,582.7 | 23,257.9 | 29,174.7 | 49,644.1 | 47,934.1 |
| U.S. Securities | 41,387.8 | 55,254.1 | 67,985.0 | 78,863.6 | 92,689.9 | 104,189.2 | 97,804.1 |
| Repurchase Agreements | 68,205.7 | 67,118.3 | 67,522.4 | 70,316.2 | 89,316.2 | 105,710.6 | 128,901.5 |
| Commercial Bank CDs | 6,281.1 | 5,313.3 | 4,339.7 | 6,712.9 | 8,144.8 | 16,539.1 | 25,666.4 |
| Other Domestic CDs | 27,056.8 | 25,987.2 | 20,709.4 | 15,807.8 | 31,753.8 | 52,777.7 | 69,899.3 |
| Eurodollar CDs | 21,841.0 | 20,610.6 | 10,130.7 | 16,020.3 | 20,066.1 | 23,569.3 | 23,951.9 |
| Commercial Paper | 189,482.0 | 173,978.1 | 164,932.4 | 188,885.5 | 237,121.9 | 276,801.4 | 339,501.0 |
| Bankers' Acceptances | 4,611.0 | 2,664.8 | 2,320.9 | 2,431.8 | 3,059.6 | 2,619.9 | 3,472.6 |
| Cash Reserves | (211.6) | $(2,699.9)$ | $(1,224.7)$ | $(2,575.5)$ | $(3,596.9)$ | $(1,159.0)$ | 1,479.5 |
| Other Assets | 14,182.3 | 23,297.9 | 43,416.7 | 56,359.1 | 79,718.2 | 89,101.9 | 118,517.5 |
| Average Maturity | 50 | 51 | 49 | 34 | 52 | 49 | 46 |
| Number of Funds | 554 | 586 | 628 | 644 | 672 | 665 | 682 |

## Section Four: Exchanges for All Funds in the U.S. Industry

## Sales Due to Exchanges by Investment Objective (millions of dollars)

| Investment Objective | 1996 | 1997 |
| :--- | ---: | ---: |
| Aggressive Growth | $\$ 72,065.7$ | $\$ 87,148.8$ |
| Growth | $49,955.9$ | $70,005.4$ |
| Growth \& Income | $35,933.3$ | $55,772.7$ |
| Precious Metals | $13,025.9$ | $11,487.7$ |
| International | $34,124.0$ | $47,282.9$ |
| Global Equity | $17,945.7$ | $18,451.3$ |
| Income-Equity | $10,915.3$ | $13,208.8$ |
| Flexible Portfolio | $2,501.8$ | $3,089.0$ |
| Balanced | $3,626.3$ | $5,757.3$ |
| Income-Mixed | $2,646.6$ | $3,424.0$ |
| Income-Bond | $6,107.5$ | $7,977.5$ |
| U.S. Government Income | $5,417.0$ | $6,389.4$ |
| Ginnie Mae | $2,292.1$ | $3,409.8$ |
| Global Bond | $3,498.0$ | $4,574.7$ |
| Corporate Bond | $2,784.2$ | $3,405.7$ |
| High-yield Bond | $9,793.2$ | $12,594.1$ |
| National Municipal Bond-Long-term | $24,425.7$ | $19,616.6$ |
| State Municipal Bond-Long-term | $10,598.6$ | $8,308.8$ |
| Tax-exempt Money Market-National | $11,359.3$ | $10,008.6$ |
| Tax-exempt Money Market-State | $4,772.5$ | $4,605.6$ |
| Taxable Money Market | $181,839.0$ | $218,472.0$ |

## Redemptions Due to Exchanges by Investment Objective (millions of dollars)

| Investment Objective | 1996 | $\mathbf{1 9 9 7}$ |
| :--- | ---: | ---: |
| Aggressive Growth | $\$ 64,118.5$ | $\$ 86,351.0$ |
| Growth | $52,919.9$ | $67,830.7$ |
| Growth \& Income | $30,523.5$ | $46,837.4$ |
| Precious Metals | $13,353.5$ | $11,434.7$ |
| International | $32,020.0$ | $50,216.2$ |
| Global Equity | $16,219.4$ | $18,310.6$ |
| Income-Equity | $9,493.2$ | $11,880.8$ |
| Flexible Portfolio | $4,271.8$ | $3,483.2$ |
| Balanced | $5,008.5$ | $5,741.5$ |
| Income-Mixed | $4,208.5$ | $4,374.2$ |
| Income-Bond | $7,005.7$ | $8,241.4$ |
| U.S. Government Income | $8,824.0$ | $8,808.9$ |
| Ginnie Mae | $3,503.3$ | $4,328.0$ |
| Global Bond | $3,778.8$ | $5,489.5$ |
| Corporate Bond | $3,028.6$ | $3,695.1$ |
| High-yield Bond | $8,238.0$ | $11,046.0$ |
| National Municipal Bond-Long-term | $27,411.0$ | $20,808.1$ |
| State Municipal Bond-Long-term | $11,993.3$ | $10,020.5$ |
| Tax-exempt Money Market-National | $11,516.5$ | $9,426.9$ |
| Tax-exempt Money Market-State | $4,741.2$ | $4,599.4$ |
| Taxable Money Market | $182,533.7$ | $226,740.5$ |

## Net Sales Due to Exchanges by Investment Objective (millions of dollars)

| Investment Objective | $\mathbf{1 9 9 6}$ | $\mathbf{1 9 9 7}$ |
| :--- | :---: | ---: |
| Aggressive Growth | $\$ 7,947.1$ | $\$ 797.8$ |
| Growth | $(2,964.0)$ | $2,174.6$ |
| Growth \& Income | $5,409.8$ | $8,935.3$ |
| Precious Metals | $(327.6)$ | 53.0 |
| International | $2,104.0$ | $(2,933.3)$ |
| Global Equity | $1,726.2$ | 140.7 |
| Income-Equity | $1,422.1$ | $1,328.0$ |
| Flexible Porffolio | $(1,770.0)$ | $(394.2)$ |
| Balanced | $(1,382.2)$ | 15.7 |
| Income-Mixed | $(1,561.8)$ | $1950.2)$ |
| Income-Bond | $(898.2)$ | $(264.0)$ |
| U.S. Government Income | $(3,407.1)$ | $(2,419.5)$ |
| Ginnie Mae | $(1,211.2)$ | $1918.3)$ |
| Global Bond | $(280.8)$ | $(914.8)$ |
| Corporate Bond | $(244.3)$ | $(289.3)$ |
| High-yield Bond | $1,555.2$ | $1,548.2$ |
| National Municipal Bond-Long-term | $(2,985.3)$ | $(1,191.6)$ |
| State Municipal Bond-Long-term | $(1,394.7)$ | $(1,711.7)$ |
| Tax-exempt Money Market-National | $(157.2)$ | 581.7 |
| Tax-exempt Money Market-State | 31.3 | 6.2 |
| Taxable Money Market | $(694.7)$ | $(8,268.5)$ |

## Assets of Major Institutions and Financial Intermediaries <br> (millions of dollars)

## Depository Institutions

Commercial Banks ${ }^{\text {a }}$
1990
1991
1992
1993
1994
1995
1996
1997

| $\$ 3,315,520.0 R$ | $\$ 3,414,410.0 R$ | $\$ 3,629,530.0 R$ | $\$ 3,875,920.0 R$ | $\$ 4,150,120.0 R$ | $\$ 4,487,580.0 R$ | $\$ 4,705,350.0 R$ | $\$ 5,179,180.0$ |
| :---: | :---: | :---: | :---: | :---: | :---: | ---: | ---: |
| $217,240.0$ | $239,970.0$ | $264,700.0$ | $281,710.0$ | $293,600.0$ | $310,660.0$ | $330,110.0 R$ | $354,880.0$ |
| $1,323,030.0 R$ | $1,144,870.0 R$ | $1,060,440.0 R$ | $1,020,170.0 R$ | $1,008,650.0 R$ | $1,012,760.0 R$ | $1,031,680.0 R$ | $1,025,370.0$ |
|  |  |  |  |  |  |  |  |
| $\mathbf{\$ 1 , 3 6 7 , 3 7 0 . 0}$ | $\mathbf{\$ 1 , 4 9 9 , 5 4 0 . 0 R}$ | $\mathbf{\$ 1 , 6 0 9 , 6 3 0 . 0 R}$ | $\mathbf{\$ 1 , 7 8 0 , 1 9 0 . 0 R}$ | $\mathbf{\$ 1 , 8 8 4 , 1 2 0 . 0 R}$ | $\mathbf{\$ 2 , 0 8 6 , 7 6 0 . 0 R}$ | $\mathbf{\$ 2 , 2 7 1 , 6 7 0 . 0 R}$ | $\mathbf{\$ 2 , 5 8 1 , 3 6 0 . 0}$ |

## Investment Institutions

Bank-administered Trusts ${ }^{\text {d }}$
Closed-end Investment Companies
Mutual Funds ${ }^{e}$

| $\$ 1,368,666.0$ | $\$ 1,585,406.0$ | $\$ 1,791,526.0$ | $\$ 2,050,122.0$ | $\$ 2,043,197.0$ | $\$ 2,043,197.0 R$ | $\$ 2,684,453.0$ | $N / A$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $52,453.7 R$ | $72,433.4 R$ | $92,645.4 R$ | $118,793.4 R$ | $113,285.1 R$ | $135,668.7 R$ | $142,299.6 R$ | $148,981.7$ |
| $1,066,892.0$ | $1,395,498.0$ | $1,646,259.0$ | $2,075,366.0$ | $2,161,495.0$ | $2,820,355.0$ | $3,539,205.0$ | $4,489,681.0$ |

a/ncludes U.S.-chartered commercial banks, foreign banking offices in the U.S., bank holding companies, and banks in affiliated areas.
${ }^{\text {b/Includes only federal or federally insured state credit unions serving natural persons. }}$
${ }^{c}$ Includes mutual savings banks, federal savings banks, and savings $\&$ loan associations.
${ }^{\text {dReflects only discretionary trusts and agencies. }}$
e/ncludes short-term funds.
$N / A=$ Not available
$R=$ Revised
Source: Federal Reserve Board, Federal Financial Institutions Examination Council, Investment Company Institute

# Assets of Fiduciary, Business and Other Institutional Investors in Equity and Bond \& Income Funds <br> (millions of dollars) 

|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiduciaries (Banks and Individuals Serving as Trustees, Guardians and Administrators) | \$93,635.2 | \$127,530.6 | \$183,471.4 | \$200,383.6 | \$253,524.9 | \$293,617.7R | \$342,172.4 |
| Business Organizations | 125,127.1 | 222,006.2 | 342,385.0 | 359,891.3 | 550,422.0 | 769,306.9R | 1,107,316.6 |
| Business Corporations | 14,828.0 | 21,148.1 | 29,776.2 | 31,061.0 | 47,440.5 | 59,852.6R | 69,082.9 |
| Retirement Plans | 64,420.7 | 130,148.1 | 200,350.3 | 213,014.2 | 305,154.0 | 431,290.1R | 659,890.7 |
| Insurance Companies and Other Financial Institutions | 45,878.4 | 70,710.0 | 112,258.5 | 115,816.1 | 197,827.5 | 278,164.2R | 378,343.0 |
| Non-profit Organizations | 5,805.0 | 6,688.0 | 10,632.8 | 12,498.3 | 24,009.1 | 38,704.8R | 36,128.7 |
| Other Institutional Investors Not Classified ${ }^{\text {a }}$ | 14,923.6 | 24,398.3 | 27,515.8 | 33,599.7 | 36,814.5 | 39,744.0R | 42,011.6 |
| Total | \$239,490.9 | \$380,623.1 | \$564,005.1 | \$606,372.9 | \$864,770.5 | \$1,141,373.4R | \$1,527,629.3 |

alncludes institutional assets for which no determination of classification can be made.
Note: Reporters of institutional data represented $80.9 \%$ of total net assets in $1991,85.8 \%$ in $1992,85.0 \%$ in $1993,79.7 \%$ in $1994,79.4 \%$ in $1995,82.1 \%$ in 1996 and 86.0\% in 1997
$R=$ Revised

# Assets of Fiduciary, Business and Other Institutional Investors in Taxable Money Market Funds <br> (millions of dollars) 

|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiduciaries (Banks and Individuals Serving as Trustees, Guardians and Administrators) | \$101,878.9 | \$104,973.1 | \$118,920.6 | \$125,535.5 | \$136,394.2 | \$157,612.0R | \$169,175.5 |
| Business Organizations | 72,511.0 | 93,466.6 | 103,025.9 | 103,625.5 | 141,606.4 | 198,797.1R | 269,377.2 |
| Business Corporations | 27,559.1 | 41,498.1 | 37,954.0 | 45,789.9 | 70,159.4 | 78,156.9R | 100,148.5 |
| Retirement Plans | 21,312.1 | 22,852.9 | 30,132.8 | 35,189.6 | 41,423.1 | 53,064.4R | 75,374.9 |
| Insurance Companies and Other Financial Institutions | 23,639.8 | 29,115.6 | 34,939.1 | 22,646.0 | 30,023.9 | 67,575.8 | 93,853.8 |
| Non-profit Organizations | 3,506.3 | 4,045.1 | 4,193.2 | 5,175.6 | 7,104.7 | 10,720.8R | 10,500.4 |
| Other Institutional Investors Not Classified ${ }^{\text {a }}$ | 12,405.9 | 14,828.5 | 17,932.7 | 19,034.6 | 26,151.0 | 16,771.1R | 11,081.0 |
| Total | \$190,302.1 | \$217,313.3 | \$244,072.4 | \$253,371.2 | \$311,256.3 | \$383,901.0R | \$460,134.1 |

a/ncludes institutional assets for which no determination of classification can be made.
Note: Reporters of institutional data represented $70.5 \%$ of total net assets in $1991,64.4 \%$ in $1992,60.2 \%$ in $1993,58.2 \%$ in $1994,52.0 \%$ in 1995 , 50.8\% in 1996 and 58.1\% in 1997.
$R=$ Revised

## Assets of Fiduciary, Business, and Other Institutional Investors in Taxable Money Market Funds by Type of Fund

|  | Individual |  | Institutional |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1996 | 1997 | 1996 | 1997 |
| Fiduciaries (Banks and Individuals Serving as Trustees, Guardians and Administrators) | \$56,265.2R | \$57,825.7 | \$101,346.8R | \$111,349.8 |
| Business Organizations | 78,766.7R | 105,426.0 | 120,030.4R | 163,951.2 |
| Business Corporations | 34,026.8R | 43,729.7 | 44,130.1R | 56,418.8 |
| Retirement Plans | 27,469.0R | 39,715.7 | 25,595.4R | 35,659.2 |
| Insurance Companies and Other Financial Institutions | 17,270.9 | 21,980.6 | 50,304.9 | 71,873.2 |
| Non-profit Organizations | 5,659.7R | 3,622.8 | 5,061.1R | 6,877.6 |
| Other Institutional Investors Not Classified ${ }^{\text {a }}$ | 7,727.4R | 6,699.9 | 9,043.7R | 4,381.1 |
| Total | \$148,419.0R | \$173,574.4 | \$235,482.0R | \$286,559.7 |

a/ncludes institutional accounts for which no determination of classification can be made.
$R=$ Revised

Assets of Fiduciary, Business and Other Institutional Investors in Tax-exempt Money Market Funds
(millions of dollars)

|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiduciaries (Banks and Individuals Serving as Trustees, Guardians and Administrators) | \$22,713.4 | \$23,729.6 | \$22,830.2 | \$25,236.6 | \$29,689.0 | \$33,432.7R | \$30,537.3 |
| Business Organizations | 6,772.4 | 7,083.8 | 8,945.3 | 8,610.3 | 9,431.9 | 14,678.2R | 21,778.3 |
| Business Corporations | 4,755.5 | 5,848.2 | 6,858.2 | 6,418.6 | 6,838.5 | 8,717.3R | 10,578.4 |
| Retirement Plans | 672.1 | 67.2 | 309.3 | 708.9 | 886.8 | 198.6R | 2,990.8 |
| Insurance Companies and Other Financial Institutions | 1,344.8 | 1,168.4 | 1,777.8 | 1,482.8 | 1,706.6 | 5,762.3 | 8,209.1 |
| Non-profit Organizations | 38.7 | 31.0 | 39.0 | 74.9 | 137.8 | 191.9R | 550.2 |
| Other Institutional Investors Not Classified ${ }^{\text {a }}$ | 2,638.3 | 1,910.9 | 1,124.8 | 3,161.7 | 3,467.1 | 919.9R | 1,014.6 |
| Total | \$32,162.8 | \$32,755.3 | \$32,939.3 | \$37,083.5 | \$42,725.8 | \$49,222.7R | \$53,880.4 |

alncludes institutional assets for which no determination can be made.
Note: Tax-exempt money market fund reporters represented $63.2 \%$ of total net assets in $1991,68.9 \%$ in $1992,60.3 \%$ in $1993,54.4 \%$ in $1994,52.3 \%$ in $1995,50.1 \%$ in 1996 and 55.6\% in 1997.
$R=$ Revised

## Number of Accounts of Fiduciary, Business and Other Institutional Investors in Equity and Bond \& Income Funds

|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiduciaries (Banks and Individuals Serving as |  |  |  |  |  |  |  |
| Trustees, Guardians and Administrators) | 3,706,706 | 4,991,566 | 6,498,972 | 7,972,672 | 8,168,461 | 10,168,735R | 11,030,316 |
| Business Organizations | 2,507,813 | 3,345,117 | 4,678,300 | 5,549,662 | 17,098,665 | 21,956,315R | 29,021,948 |
| Business Corporations | 145,135 | 193,906 | 234,412 | 296,970 | 423,761 | 489,467R | 685,566 |
| Retirement Plans | 2,332,763 | 3,108,029 | 4,373,959 | 5,161,769 | 16,565,287 | 21,072,174R | 27,405,084 |
| Insurance Companies and Other Financial Institutions | 29,915 | 43,182 | 69,929 | 90,923 | 109,617 | 394,674R | 931,298 |
| Non-profit Organizations | 57,157 | 62,297 | 107,899 | 94,606 | 250,138 | 621,381R | 235,197 |
| Institutional Investors Not Classified ${ }^{\text {a }}$ | 335,288 | 490,800 | 701,804 | 1,188,925 | 892,619 | 542,414R | 656,158 |
| Total | 6,606,964 | 8,889,780 | 11,986,975 | 14,805,865 | 26,409,883 | 33,288,845R | 40,943,619 |

a/ncludes institutional accounts for which no determination of classification can be made.
Note: Reporters of institutional data represented $82.4 \%$ of total accounts in 1991, $83.5 \%$ in 1992, $84.0 \%$ in $1993,78.4 \%$ in 1994,
$79.4 \%$ in 1995, 86.0\% in 1996 and 88.1\% in 1997.
$R=$ Revised

|  | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Fiduciaries (Banks and Individuals Serving as Trustees, Guardians and Administrators) | 950,781 | 1,021,682 | 984,959 | 1,641,291 | 1,740,108 | 1,509,326R | 1,049,972 |
| Business Organizations | 1,068,958 | 947,393 | 974,016 | 1,222,001 | 2,809,456 | 3,346,473R | 3,688,342 |
| Business Corporations | 213,283 | 280,480 | 219,491 | 272,250 | 356,728 | 424,344R | 379,943 |
| Retirement Plans | 828,714 | 635,911 | 704,337 | 851,991 | 2,327,604 | 2,754,962R | 3,089,977 |
| Insurance Companies and Other Financial Institutions | 26,961 | 31,002 | 50,188 | 97,760 | 125,124 | 167,167R | 218,422 |
| Non-profit Organizations | 48,138 | 52,776 | 47,622 | 62,882 | 77,427 | 283,478R | 78,397 |
| Other Institutional Investors Not Classified ${ }^{\text {a }}$ | 71,464 | 85,103 | 140,417 | 249,784 | 461,680 | 335,834R | 166,404 |
| Total | 2,139,341 | 2,106,954 | 2,147,014 | 3,175,958 | 5,088,671 | 5,475,111R | 4,983,115 |

a/ncludes institutional accounts for which no determination of classification can be made.
Note: Reporters of institutional data represented $64.4 \%$ of total taxable money market fund accounts in 1991, $62.8 \%$ in $1992,58.2 \%$ in 1993, $61.5 \%$ in 1994, 45.8\% in 1995, 49.8\% in 1996, and 60.6\% in 1997.
$R=$ Revised

Number of Accounts of Fiduciary, Business and Other Institutional Investors in Taxable Money Market Funds by Type of Fund

|  | Individual |  | Institutional |  |
| :---: | :---: | :---: | :---: | :---: |
|  | 1996 | 1997 | 1996 | 1997 |
| Fiduciaries (Banks and Individuals Serving as Trustees, Guardians and Administrators) | 1,371,947R | 965,852 | 137,379 | 84,120 |
| Business Organizations | 1,512,626R | 1,814,614 | 1,833,847R | 1,873,728 |
| Business Corporations | 342,814R | 323,859 | 81,530 | 56,084 |
| Retirement Plans | 1,061,997R | 1,373,766 | 1,692,965R | 1,716,211 |
| Insurance Companies and Other Financial Institutions | 107,815R | 116,989 | 59,352 | 101,433 |
| Non-profit Organizations | 275,234R | 73,554 | 8,244R | 4,843 |
| Other Institutional Investors Not Classified ${ }^{\text {a }}$ | 312,907R | 151,880 | 22,927 | 14,524 |
| Total | 3,472,714R | 3,005,900 | 2,002,397 | 1,977,215 |

a/ncludes institutional accounts for which no determination of classification can be made.
$R=$ Revised

a/ncludes institutional accounts for which no determination of classification can be made.
Note: Tax-exempt money market fund reporters represented $62.8 \%$ of total shareholder accounts in $1991,66.2 \%$ in $1992,59.7 \%$ in $1993,53.3 \%$ in 1994, 49.5\% in 1995, 48.9\% in 1996, and 57.8\% in 1997.
$R=$ Revised

# Worldwide Assets of Open-end Investment Companies <br> (millions of U.S. dollars) 

| NON-USA COUNTRIES | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Argentina | \$184 | \$235 | \$389 | \$631 | \$1,869 | \$5,247 |
| Australia | 19,280 | 24,556 | 44,036 | 36,505 | 47,761 | 50,627 |
| Austria ${ }^{\text {a }}$ | 15,029 | 18,174 | 23,492 | 33,452 | 39,543 | 44,930 |
| Belgium | 8,954 | 15,149 | 18,877 | 25,553 | 29,247 | 35,748 |
| Brazil | 18,862 | 24,007 | 54,426 | 63,637 | 103,786 | 108,606 |
| Canada ${ }^{\text {a }}$ | 52,921 | 86,567 | 90,349 | 107,812 | 154,529 | 197,984 |
| Chile | N/A | 1,592 | 2,503 | 2,843 | 2,934 | 4,549 |
| Denmark | 3,658 | 4,401 | 5,448 | 6,455 | 9,338 | 13,037 |
| Finland | 110 | 618 | 1,089 | 1,211 | 2,510 | 3,534 |
| France | 447,338 | 483,327 | 496,743 | 519,376 | 534,145 | 499,881 |
| Germany Public | 70,196 | 78,552 | 112,697 | 134,543 | 137,860 | 146,889 |
| Special | 101,405 | 133,734 | 160,335 | 213,047 | 241,642 ${ }^{\text {d }}$ | N/A |
| Greece | 1,018 | 3,465 | 6,111 | 10,303 | 15,788 | 25,759 |
| Hong Kong | 16,351 | 31,135 | 29,522 | 33,695 | 41,017 | 58,456 |
| India | 5,835 | 7,925 | 11,669 | 10,107 | 9,717 ${ }^{\text {f }}$ | 9,353 |
| Ireland ${ }^{\text {b }}$ | 5,905 | 5,244 | 7,806 | 8,461 | 7,735 | N/A |
| Italy | 41,036 | 64,272 | 79,402 | 79,878 | 129,755 | 209,410 |
| Japan | 346,924 | 454,608 | 435,603 | 469,980 | 420,103 | 311,335 |
| Korea | 49,183 | 69,988 | 81,304 | 92,405 | N/A | N/A |
| Luxembourg | 182,244 | 247,804 | 283,020 | 285,448 | 338,236 | 377,0879 |
| Mexico | N/A | N/A | N/A | 9,025 | N/A | N/A |
| Netherlands ${ }^{\text {a }}$ | 34,797 | 48,530 | 62,100 | 62,128 | 67,147 | N/A |
| New Zealand ${ }^{\text {a }}$ | 1,062 | 1,833 | 2,471 | 6,868 | 7,686 | 7,519 |
| Norway | 2,722 | 4,737 | 5,119 | 6,834 | 9,930 | 13,058 |
| Portugal | 7,925 | 9,319 | 12,854 | 14,233 | 17,087 | 21,392 |
| South Africa | 4,524 | 4,647 | 7,421 | 9,226 | 9,354 | 12,688 |
| Spain | 54,699 | 72,058 | 84,877 | 99,923 | 144,134 | 177,192 |
| Sweden | 18,108 | 24,356 | 20,208 | 27,388 | 34,981 | 45,452 |
| Switzerland | 24,304 | 34,094 | 38,864 | 44,638 | 48,166 | 53,444 |
| Taiwan | N/A | N/A | 3,616 | 4,388 | 8,351 ${ }^{\text {e }}$ | 523 |
| United Kingdom ${ }^{\text {c }}$ | 91,153 | 131,455 | 133,092 | 154,452 | 201,304 | 235,683 |
| TOTAL NON-USA | 1,625,543 | 2,086,147 | 2,315,054 | 2,573,814 | 2,813,786 | 2,669,383 |
| USA (long-term) | 1,100,065 | 1,510,047 | 1,550,490 | 2,067,337 | 2,637,398 | 3,430,795 |
| (short-term) | 546,195 | 565,319 | 611,005 | 753,018 | 901,807 | 1,058,886 |
| TOTAL USA | 1,646,259 | 2,075,366 | 2,161,495 | 2,820,355 | 3,539,205 | 4,489,681 |
| TOTAL WORLD | \$3,271,802 | \$4,161,513 | \$4,476,549 | \$5,394,169 | \$6,352,991 | \$7,159,064 |
| ${ }^{a}=$ Includes real estate funds. |  |  |  |  |  |  |
| ${ }^{b}=$ Approximately 95 percent relates to life assurance-linked funds; the other 5 percent are unit investment trusts. International Financial Service Center funds are not included. |  |  |  |  |  |  |
| ${ }^{\text {c }}=$ Fund-of-fund assets not included. |  |  |  |  |  |  |
| ${ }^{d}=$ As of September 30, 1996. |  |  |  |  |  |  |
| ${ }^{e}=$ As of June 30, 1996. |  |  |  |  |  |  |
| ${ }^{f}=$ As of March 31, 1996. |  |  |  |  |  |  |
| ${ }^{g}=$ As of September 30, 1997. |  |  |  |  |  |  |
| Note: Comparison of annual total assets across countries is not recommended because reporting coverage, dates and definitions are not consistent. |  |  |  |  |  |  |
| Source: European Federation of Investment Funds and Companies, Investment Company Institute |  |  |  |  |  |  |


| NON-USA COUNTRIES | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Argentina | 40 | 48 | 86 | 109 | 149 | 195 |
| Australia | 404 | 366 | 698 | 752 | 1,117 | 571 |
| Austria ${ }^{\text {a }}$ | 313 | 337 | 387 | 452 | 517 | 625 |
| Belgium | 126 | 161 | 211 | 277 | 340 | 472 |
| Brazil | 526 | 667 | 830 | 1,172 | 1,727R | 2,254 |
| Canada ${ }^{\text {a }}$ | 549 | 633 | 813 | 916 | 954 | 1,023 |
| Chile | 38 | 49 | 55 | 64 | 77 | 92 |
| Denmark | 119 | 161 | 158 | 168 | 189 | 222 |
| Finland | 16 | 24 | 39 | 44 | 62 | 81 |
| France | 4,538 | 4,577 | 4,826 | 4,878 | 5,379 | 5,836 |
| Germany Public | 412 | 463 | 528 | 583 | 641 | 717 |
| Special | N/A | N/A | N/A | 2,609 | 2,839 ${ }^{\text {d }}$ | N/A |
| Greece | 39 | 68 | 93 | 119 | 148 | 162 |
| Hong Kong | 539 | 566 | 630 | 670 | 708 | 772 |
| India | N/A | 20 | 33 | 42 | $42^{\text {f }}$ | 64 |
| Ireland ${ }^{\text {b }}$ | 148 | 145 | 293 | 285 | 260 | N/A |
| Italy | 255 | 292 | 354 | 459 | 531 | 626 |
| Japan | 5,701 | 6,086 | 6,306 | 6,408 | 5,879 | 5,203 |
| Korea | 705 | 1,149 | 1,404 | 1,943 | N/A | N/A |
| Luxembourg | 860 | 945 | 1,007 | 3,081 | 3,234 | 3,8819 |
| Mexico | N/A | N/A | N/A | 252 | N/A | N/A |
| Netherlands ${ }^{\text {a }}$ | 136 | 175 | 136 | 159 | 179 | N/A |
| New Zealand ${ }^{\text {a }}$ | 90 | 120 | 162 | 475 | 551 | 629 |
| Norway | 100 | 117 | 159 | 185 | 188 | 233 |
| Portugal | 98 | 109 | 129 | 150 | 182 | 204 |
| South Africa | N/A | N/A | 69 | 91 | 107 | 149 |
| Spain | 477 | 571 | 656 | 743 | 985 | 1,456 |
| Sweden | 435 | 467 | 314 | 298 | 316 | 344 |
| Switzerland | 186 | 201 | 216 | 218 | 251 | 296 |
| Taiwan | N/A | N/A | 43 | 67 | $82^{\text {e }}$ | 156 |
| United Kingdom ${ }^{\text {c }}$ | 1,373 | 1,420 | 1,452 | 1,490 | 1,532 | 1,550 |
| TOTAL NON-USA | 18,183 | 19,889 | 22,001 | 29,050 | 29,017 | 27,813 |
| USA (long-term) | 2,985 | 3,638 | 4,394 | 4,764 | 5,305 | 5,765 |
| (short-term) | 865 | 920 | 963 | 997 | 988 | 1,013 |
| TOTAL USA | 3,850 | 4,558 | 5,357 | 5,761 | 6,293 | 6,778 |
| TOTAL WORLD | 22,033 | 24,447 | 27,358 | 34,811 | 35,310 | 34,591 |
| ${ }^{a}=$ Includes real estate funds. |  |  |  |  |  |  |
| ${ }^{b}=$ Approximately 95 percent relates to life assurance-linked funds; the other 5 percent are unit investment trusts. International Financia Service Center funds are not included. |  |  |  |  |  |  |
| ${ }^{c}=$ Fund-of-fund assets not included. |  |  |  |  |  |  |
| ${ }^{d}=$ As of September 30, 1996. |  |  |  |  |  |  |
| ${ }^{e}=$ As of June 30, 1996. |  |  |  |  |  |  |
| ${ }^{f}=$ As of March 31, 1996. |  |  |  |  |  |  |
| $g=$ As of September 30, 1997. |  |  |  |  |  |  |
| $R=$ Revised |  |  |  |  |  |  |
| Note: Comparison of annual total assets across countries is not recommended because reporting coverage, dates and definitions are not consistent. |  |  |  |  |  |  |
| Source: European Federation of Investment Funds and Companies, Investment Company Institute |  |  |  |  |  |  |

## Data Points

Page 2-Components of Mutual Fund Asset Growth (trillions of dollars)

|  | Net New <br> Cash Flow | Performance <br> Component | Newly <br> Reporting Funds |
| :--- | :---: | :---: | :---: |
| 1991 | 1.1292 | 0.1617 | 0.1046 |
| 1992 | 1.2784 | 0.2333 | 0.1346 |
| 1993 | 1.5011 | 0.3907 | 0.1836 |
| 1994 | 1.5896 | 0.3326 | 0.2393 |
| 1995 | 1.7999 | 0.7423 | 0.2782 |
| 1996 | 2.1123 | 1.076 | 0.3509 |
| 1997 | 2.4765 | 1.609 | 0.4033 |

Page 6-Yield on the 30 -year Bond and Net New Cash Flow to Bond Funds, 1997

|  | Mid-month <br> Bond Fund Inflows <br> (billions of dollars) | 30-Year Bond Yield <br> (percent) |
| :--- | :---: | :---: |
| Jan-97 | 1.73 | 6.79 |
| Feb-97 | 0.61 | 6.52 |
| Mar-97 | -3.38 | 6.94 |
| Apr-97 | 0.33 | 7.09 |
| May-97 | 0.89 | 6.87 |
| Jun-97 | 0.49 | 6.70 |
| Jul-97 | 2.55 | 6.54 |
| Aug-97 | 5.31 | 6.55 |
| Sep-97 | 2.07 | 6.57 |
| Oct-97 | 2.52 | 6.40 |
| Nov-97 | 7.94 | 6.11 |
| Dec-97 | 3.34 | 5.97 |

Page 9—Interest Rate Changes and Net New Cash Flow to Bond Funds
(percent)

|  |  | Change in Interest Rates | Net New Cas |
| :---: | :---: | :---: | :---: |
| 1985 | 1 | -0.50 | 6.81 |
|  | 2 | -0.50 | 3.91 |
|  | 3 | -0.54 | 5.03 |
|  | 4 | -1.49 | 8.88 |
|  | 5 | -3.00 | 7.92 |
|  | 6 | -4.13 | 7.42 |
|  | 7 | -3.90 | 8.10 |
|  | 8 | -3.19 | 7.42 |
|  | 9 | -2.97 | 6.54 |
|  | 10 | -2.60 | 8.97 |
|  | 11 | -2.02 | 7.24 |
|  | 12 | -2.16 | 6.21 |
| 1986 | 1 | -2.02 | 6.54 |
|  | 2 | -2.45 | 6.41 |
|  | 3 | -3.75 | 6.44 |
|  | 4 | -3.63 | 6.23 |
|  | 5 | -2.48 | 4.19 |
|  | 6 | -1.64 | 3.52 |
|  | 7 | -2.32 | 5.45 |
|  | 8 | -2.82 | 5.10 |
|  | 9 | -2.75 | 3.33 |
|  | 10 | -2.69 | 4.86 |
|  | 11 | -2.42 | 3.96 |
|  | 12 | -1.97 | 3.45 |
| 1987 | 1 | -2.00 | 4.91 |
|  | 2 | -1.54 | 3.53 |
|  | 3 | -0.72 | 3.25 |
|  | 4 | 0.46 | -0.75 |
|  | 5 | 0.75 | -0.78 |
|  | 6 | 0.41 | 0.75 |
|  | 7 | 0.88 | 0.19 |
|  | 8 | 1.54 | -0.66 |
|  | 9 | 2.05 | -3.27 |
|  | 10 | 2.19 | -3.28 |
|  | 11 | 1.53 | 0.04 |
|  | 12 | 1.70 | -1.06 |
| 1988 | 1 | 1.46 | 0.82 |
|  | 2 | 0.82 | 0.52 |
|  | 3 | 0.92 | -0.65 |
|  | 4 | 0.51 | -0.20 |
|  | 5 | 0.22 | -0.55 |


|  | 6 | 0.40 | 0.34 |
| :---: | :---: | :---: | :---: |
|  | 7 | 0.70 | -0.29 |
|  | 8 | 0.74 | -0.92 |
|  | 9 | -0.10 | 0.06 |
|  | 10 | -0.32 | 0.40 |
|  | 11 | 0.73 | -0.80 |
|  | 12 | 0.98 | -0.40 |
| 1989 | 1 | 1.33 | 0.41 |
|  | 2 | 1.94 | -0.62 |
|  | 3 | 2.11 | -0.45 |
|  | 4 | 1.57 | -0.12 |
|  | 5 | 0.74 | 0.14 |
|  | 6 | 0.15 | 0.44 |
|  | 7 | -0.61 | 0.35 |
|  | 8 | -0.64 | -0.18 |
|  | 9 | -0.31 | -0.41 |
|  | 10 | -0.41 | 0.01 |
|  | 11 | -0.92 | 0.25 |
|  | 12 | -1.34 | -0.26 |
| 1990 | 1 | -1.07 | -0.26 |
|  | 2 | -0.93 | 0.23 |
|  | 3 | -0.98 | 0.15 |
|  | 4 | -0.62 | -0.14 |
|  | 5 | -0.29 | 0.66 |
|  | 6 | 0.03 | 0.36 |
|  | 7 | 0.43 | 0.52 |
|  | 8 | 0.09 | -0.06 |
|  | 9 | 0.01 | 0.07 |
|  | 10 | 0.05 | 0.13 |
|  | 11 | -0.06 | 0.45 |
|  | 12 | -0.30 | 0.18 |
| 1991 | 1 | -0.75 | 1.11 |
|  | 2 | -1.31 | 0.93 |
|  | 3 | -1.28 | 1.12 |
|  | 4 | -1.55 | 1.67 |
|  | 5 | -1.57 | 1.39 |
|  | 6 | -1.01 | 1.25 |
|  | 7 | -0.88 | 1.89 |
|  | 8 | -1.42 | 1.93 |
|  | 9 | -1.77 | 2.08 |
|  | 10 | -1.84 | 2.08 |
|  | 11 | -1.84 | 1.48 |
|  | 12 | -2.08 | 1.15 |
| 1992 | 1 | -1.98 | 1.85 |
|  | 2 | -1.36 | 1.66 |
|  | 3 | -1.17 | 1.33 |


|  | 4 | -1.30 | 1.31 |
| :---: | :---: | :---: | :---: |
|  | 5 | -1.31 | 1.77 |
|  | 6 | -1.79 | 1.74 |
|  | 7 | -2.47 | 2.14 |
|  | 8 | -2.08 | 1.57 |
|  | 9 | -2.08 | 1.29 |
|  | 10 | -1.59 | 0.09 |
|  | 11 | -0.76 | 1.24 |
|  | 12 | -0.18 | 0.60 |
| 1993 | 1 | -0.47 | 1.56 |
|  | 2 | -1.14 | 1.62 |
|  | 3 | -1.78 | 1.07 |
|  | 4 | -1.63 | 1.25 |
|  | 5 | -1.41 | 1.29 |
|  | 6 | -1.07 | 1.44 |
|  | 7 | -0.48 | 1.58 |
|  | 8 | -0.36 | 1.50 |
|  | 9 | -0.25 | 0.59 |
|  | 10 | -0.46 | 1.08 |
|  | 11 | -0.64 | 0.16 |
|  | 12 | -0.67 | 0.30 |
| 1994 | 1 | -0.45 | 0.94 |
|  | 2 | 0.25 | -0.43 |
|  | 3 | 1.00 | -1.79 |
|  | 4 | 1.69 | -1.29 |
|  | 5 | 1.94 | -0.68 |
|  | 6 | 1.74 | -0.52 |
|  | 7 | 2.05 | -0.66 |
|  | 8 | 2.14 | -0.71 |
|  | 9 | 2.52 | -1.02 |
|  | 10 | 2.86 | -1.52 |
|  | 11 | 2.94 | -1.96 |
|  | 12 | 3.17 | -1.85 |
| 1995 | 1 | 3.18 | -0.62 |
|  | 2 | 2.42 | 0.19 |
|  | 3 | 1.49 | -0.70 |
|  | 4 | 0.69 | -0.31 |
|  | 5 | -0.07 | 0.11 |
|  | 6 | -0.47 | -0.61 |
|  | 7 | -0.59 | -0.04 |
|  | 8 | -0.40 | -0.04 |
|  | 9 | -0.80 | -0.08 |
|  | 10 | -1.27 | 0.15 |
|  | 11 | -1.87 | 0.16 |
|  | 12 | -2.32 | -0.14 |
| 1996 | 1 | -2.46 | 0.38 |


| 2 | -2.11 | 0.01 |
| ---: | ---: | ---: |
| 3 | -1.10 | 0.04 |
| 4 | -0.57 | -0.09 |
| 5 | 0.00 | -0.04 |
| 6 | 0.69 | -0.13 |
| 7 | 0.56 | -0.14 |
| 8 | 0.11 | -0.11 |
| 9 | 0.52 | 0.23 |
| 10 | 0.31 | -0.15 |
| 11 | 0.25 | 0.12 |
| 12 | 0.52 | 0.25 |
| 1997 | 0.96 | 0.27 |
| 1 | 0.89 | 0.10 |
| 2 | 0.59 | -0.52 |
| 3 | 0.50 | 0.05 |
| 4 | 0.15 | 0.14 |
| 5 | -0.25 | 0.08 |
| 6 | -0.45 | 0.39 |
| 7 | -0.15 | 0.79 |
| 8 | -0.43 | 0.31 |
| 9 | -0.24 | 0.37 |
| 10 | -0.06 | 1.14 |
| 11 | -0.17 | 0.47 |

Page 11 -Interest Rate Spread and Net New Cash Flow to Retail Money Market Funds (percent)

|  | Net New |
| :---: | :---: |
| Interest Rate Spread | Cash Flow |

19841
2
3

4
5

6
2.19
0.43

7
8
9
10
11
12
19851
2
3
4
5
6
7
8
9
10
11
12
$1986 \quad 1$
2
3
4
5
6
7
8
9
10
11
12
$1987 \quad 1$
2
3
4

|  | 5 | 0.14 | 0.10 |
| :---: | :---: | :---: | :---: |
|  | 6 | 0.23 | -0.12 |
|  | 7 | 0.06 | 0.01 |
|  | 8 | 0.13 | 0.11 |
|  | 9 | 0.24 | 0.24 |
|  | 10 | 0.48 | 0.55 |
|  | 11 | 0.69 | 0.46 |
|  | 12 | 0.68 | 0.52 |
| 1988 | 1 | 0.65 | 0.82 |
|  | 2 | 0.79 | 0.65 |
|  | 3 | 1.07 | 0.80 |
|  | 4 | 0.98 | 0.25 |
|  | 5 | 1.11 | 0.16 |
|  | 6 | 1.03 | 0.05 |
|  | 7 | 0.74 | -0.34 |
|  | 8 | 0.63 | -0.33 |
|  | 9 | 0.67 | -0.71 |
|  | 10 | 0.80 | -0.34 |
|  | 11 | 1.05 | 0.07 |
|  | 12 | 1.27 | 0.20 |
| 1989 | 1 | 1.55 | 0.56 |
|  | 2 | 1.81 | 1.11 |
|  | 3 | 1.85 | 1.42 |
|  | 4 | 1.92 | 1.23 |
|  | 5 | 2.25 | 1.15 |
|  | 6 | 2.46 | 1.51 |
|  | 7 | 2.53 | 1.53 |
|  | 8 | 2.78 | 1.35 |
|  | 9 | 2.94 | 1.44 |
|  | 10 | 2.92 | 1.82 |
|  | 11 | 2.78 | 1.63 |
|  | 12 | 2.49 | 1.14 |
| 1990 | 1 | 2.16 | 1.21 |
|  | 2 | 2.10 | 1.02 |
|  | 3 | 2.05 | 0.71 |
|  | 4 | 1.87 | -0.04 |
|  | 5 | 1.85 | -0.49 |
|  | 6 | 1.71 | -0.34 |
|  | 7 | 1.63 | -0.53 |
|  | 8 | 1.65 | -0.20 |
|  | 9 | 1.67 | -0.14 |
|  | 10 | 1.67 | 0.27 |
|  | 11 | 1.67 | 0.74 |
|  | 12 | 1.63 | 0.55 |
| 1991 | 1 | 1.55 | 0.95 |
|  | 2 | 1.54 | 0.80 |


|  | 3 | 1.52 | 0.89 |
| :---: | :---: | :---: | :---: |
|  | 4 | 1.42 | 0.52 |
|  | 5 | 1.39 | 0.13 |
|  | 6 | 1.17 | 0.13 |
|  | 7 | 0.85 | -0.59 |
|  | 8 | 0.59 | -1.03 |
|  | 9 | 0.45 | -1.36 |
|  | 10 | 0.30 | -1.17 |
|  | 11 | 0.26 | -0.93 |
|  | 12 | 0.28 | -1.26 |
| 1992 | 1 | 0.25 | -0.50 |
|  | 2 | 0.19 | -0.37 |
|  | 3 | 0.16 | -0.38 |
|  | 4 | 0.14 | -0.61 |
|  | 5 | 0.28 | -0.88 |
|  | 6 | 0.20 | -0.75 |
|  | 7 | 0.03 | -1.40 |
|  | 8 | -0.01 | -1.47 |
|  | 9 | 0.02 | -1.46 |
|  | 10 | -0.06 | -0.91 |
|  | 11 | -0.09 | -0.76 |
|  | 12 | 0.00 | -0.68 |
| 1993 | 1 | -0.08 | -0.62 |
|  | 2 | -0.08 | -0.46 |
|  | 3 | -0.15 | -0.40 |
|  | 4 | -0.15 | -0.75 |
|  | 5 | -0.04 | -0.66 |
|  | 6 | -0.04 | -0.58 |
|  | 7 | -0.08 | -0.49 |
|  | 8 | -0.05 | -0.83 |
|  | 9 | -0.03 | -0.70 |
|  | 10 | -0.04 | -0.64 |
|  | 11 | 0.02 | -0.19 |
|  | 12 | 0.05 | -0.24 |
| 1994 | 1 | 0.10 | -0.35 |
|  | 2 | 0.15 | 0.10 |
|  | 3 | 0.16 | 0.53 |
|  | 4 | 0.19 | 0.90 |
|  | 5 | 0.26 | 0.31 |
|  | 6 | 0.24 | 0.44 |
|  | 7 | 0.32 | 0.61 |
|  | 8 | 0.44 | 0.23 |
|  | 9 | 0.61 | 0.05 |
|  | 10 | 0.86 | -0.10 |
|  | 11 | 1.08 | 0.57 |
|  | 12 | 1.20 | 0.70 |


| 1995 | 1 | 1.33 | 0.90 |
| :---: | :---: | :---: | :---: |
|  | 2 | 1.50 | 1.02 |
|  | 3 | 1.61 | 0.92 |
|  | 4 | 1.82 | 0.86 |
|  | 5 | 2.12 | 0.95 |
|  | 6 | 2.22 | 1.49 |
|  | 7 | 2.37 | 1.49 |
|  | 8 | 2.39 | 1.72 |
|  | 9 | 2.40 | 1.55 |
|  | 10 | 2.34 | 1.73 |
|  | 11 | 2.32 | 1.53 |
|  | 12 | 2.24 | 0.94 |
| 1996 | 1 | 2.15 | 0.77 |
|  | 2 | 2.13 | 1.11 |
|  | 3 | 2.11 | 1.25 |
|  | 4 | 2.10 | 0.68 |
|  | 5 | 2.10 | 0.40 |
|  | 6 | 2.05 | 0.47 |
|  | 7 | 1.85 | 0.74 |
|  | 8 | 1.85 | 0.35 |
|  | 9 | 1.84 | 0.17 |
|  | 10 | 1.85 | 0.73 |
|  | 11 | 1.90 | 1.00 |
|  | 12 | 1.93 | 1.26 |
| 1997 | 1 | 1.96 | 0.97 |
|  | 2 | 1.99 | 1.12 |
|  | 3 | 1.98 | 1.50 |
|  | 4 | 1.99 | 0.88 |
|  | 5 | 2.22 | 0.67 |
|  | 6 | 2.21 | 0.51 |
|  | 7 | 2.20 | 0.57 |
|  | 8 | 2.09 | 0.80 |
|  | 9 | 2.23 | 0.38 |
|  | 10 | 2.33 | 0.89 |
|  | 11 | 2.36 | 1.01 |
|  | 12 | 2.38 | 0.88 |

Page 12-Average Annual Redemption Rate for Long-term Mutual Funds
(percent of average assets)

|  | Long-term Funds | Equity Funds | Bond \& Income Funds |
| :--- | :---: | :---: | :---: |
| 1982 | 11.5 | 11.0 | 12.8 |
| 1983 | 15.4 | 14.2 | 18.1 |
| 1984 | 16.0 | 13.7 | 20.0 |
| 1985 | 17.4 | 18.2 | 16.5 |
| 1986 | 19.8 | 19.5 | 20.0 |
| 1987 | 26.5 | 23.5 | 28.4 |
| 1988 | 20.0 | 18.5 | 20.9 |
| 1989 | 17.9 | 17.3 | 18.3 |
| 1990 | 17.5 | 18.4 | 16.8 |
| 1991 | 16.4 | 16.5 | 16.3 |
| 1992 | 16.9 | 13.4 | 20.2 |
| 1993 | 17.7 | 14.6 | 20.7 |
| 1994 | 21.5 | 17.6 | 26.0 |
| 1995 | 17.3 | 16.1 | 19.1 |
| 1996 | 16.9 | 16.1 | 18.5 |
| 1997 | 17.9 | 17.7 | 18.6 |

Page 31-Assets of Mutual Funds
(billions of dollars)

| Year |  <br> Income Funds | Money <br> Market Funds |  |
| :--- | :---: | :---: | ---: |
| 1940 | 0.4 |  | Total |
| 1950 | 2.5 |  | 0.4 |
| 1960 | 17.0 |  | 2.5 |
| 1970 | 47.6 |  | 17.0 |
| 1971 | 55.0 | 3.7 | 47.6 |
| 1973 | 46.5 | 3.9 | 55.0 |
| 1975 | 42.2 | 45.5 | 46.5 |
| 1977 | 45.0 | 186.1 | 45.9 |
| 1979 | 49.0 | 243.3 | 48.9 |
| 1981 | 55.3 | 316.2 | 94.5 |
| 1983 | 113.6 | 428.1 | 241.4 |
| 1985 | 251.7 | 542.5 | 292.9 |
| 1987 | 453.8 | 565.3 | 495.5 |
| 1989 | 553.8 | 753.0 | 770.0 |
| 1991 | 853.0 | $1,058.9$ | 981.9 |
| 1993 | $1,510.1$ |  | $1,395.5$ |
| 1995 | $2,067.3$ | $2,075.4$ |  |
| 1997 | $3,430.8$ |  | $2,820.3$ |
|  |  |  | $4,489.7$ |

Page 33-Mutual Fund Shareholder Accounts (millions)

|  |  <br> Income Funds | Money Market <br> Funds |
| :--- | :---: | :---: |
| 1940 | 0.3 |  |
| 1950 | 0.9 |  |
| 1960 | 4.9 |  |
| 1970 | 10.7 |  |
| 1971 | 10.9 | 0.2 |
| 1973 | 10.3 | 0.2 |
| 1975 | 9.7 | 2.3 |
| 1977 | 8.5 | 10.3 |
| 1979 | 7.5 | 12.5 |
| 1981 | 7.2 | 14.9 |
| 1983 | 12.1 | 17.7 |
| 1985 | 19.8 | 21.3 |
| 1987 | 36.9 | 23.6 |
| 1989 | 37.0 | 23.6 |
| 1991 | 45.0 | 30.1 |
| 1993 | 70.0 | 35.6 |

Page 37-Household Net Purchases of Financial Assets, 1984-1997
(billions of dollars)

|  | Net Purchases of <br> Financial Assets | Equity <br> Purchases Made <br> Through Mutual Funds |
| :--- | :---: | :---: |
| 1984 | 419 | 5 |
| 1985 | 497 | 10 |
| 1986 | 417 | 20 |
| 1987 | 409 | 32 |
| 1988 | 397 | $142)$ |
| 1989 | 428 | 3 |
| 1990 | 442 | 13 |
| 1991 | 439 | 50 |
| 1992 | 423 | 62 |
| 1993 | 428 | 125 |
| 1994 | 452 | 126 |
| 1995 | 534 | 91 |
| 1996 | 551 | 218 |
| 1997 | 549 | 190 |

Page 38-Purchases of Equities by Households (billions of dollars)

| Net Purchases | Purchases Made <br> Through Mutual Funds | Purchases Made <br> Outside of Mutual Funds |  |
| :--- | :---: | :---: | :---: |
| 1984 | $(67.8)$ | 5.0 | $(72.8)$ |
| 1985 | $(111.4)$ | 10.3 | $(121.8)$ |
| 1986 | $(112.2)$ | 20.2 | $(132.4)$ |
| 1987 | $(108.8)$ | 32.1 | $(140.9)$ |
| 1988 | $(176.4)$ | $(41.7)$ | $(134.7)$ |
| 1989 | $(108.2)$ | 2.7 | $(110.9)$ |
| 1990 | $(17.9)$ | 13.1 | $(31.0)$ |
| 1991 | $11.0)$ | 49.9 | $(50.9)$ |
| 1992 | 47.3 | 61.7 | $(14.4)$ |
| 1993 | $(1.9)$ | 125.2 | $(127.1)$ |
| 1994 | $(49.7)$ | 125.8 | $(175.4)$ |
| 1995 | $(116.1)$ | 91.3 | $(207.4)$ |
| 1996 | $(101.9)$ | 218.4 | $(320.3)$ |
| 1997 | $(179.0)$ | 190.2 | $(369.2)$ |

Page 39—Total Holdings of Equities by Households
(percent of total financial assets of household and the real value of the S\&P 500 Index)

1957
1958
1959
1960
1961
1962
1963
1964
1965
1966
1967
1968
1969
1970
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
1983
1984
1985
1986
1987
1988
1989
1990
1991
1992
1993
1994
1995
1996
1997

| U.S. Households' | S\&P |
| :---: | :---: |
| Equity Holdings | 500 Index |

## Equity Holdings

22.96
27.26
28.53
27.71
30.99
29.19
30.02
31.71
32.94
29.01
32.20
34.35
28.97
27.24
28.11
30.14
22.71
14.66
17.69
19.51
15.90
14.56
15.21
17.32
$14.75 \quad 95.08$
$14.85 \quad 101.15$
15.55
14.00
15.70
17.03
16.17
16.76
18.55
16.51
20.93
22.42
23.94
22.94
27.24
29.54
32.40
117.67
111.74
127.79
152.20
152.87
157.45
189.44
165.13
193.05
204.21
217.09
209.27
263.89
312.73
407.73

Page 45-Mutual Fund Retirement Plan Assets (percent of total mutual fund assets)

| Year | Total Retirement | Employer-sponsored | IRA |
| :--- | :---: | :---: | :---: |
| 1981 | 5.9 | 4.9 | 1.1 |
| 1982 | 6.7 | 4.8 | 1.9 |
| 1983 | 9.9 | 6.2 | 3.7 |
| 1984 | 10.8 | 6.3 | 4.6 |
| 1985 | 13.6 | 7.3 | 6.4 |
| 1986 | 14.4 | 6.9 | 7.5 |
| 1987 | 15.9 | 6.6 | 9.4 |
| 1988 | 17.4 | 6.8 | 10.6 |
| 1989 | 18.7 | 7.3 | 11.4 |
| 1990 | 19.6 | 7.7 | 11.9 |
| 1991 | 23.0 | 10.9 | 12.1 |
| 1992 | 25.0 | 11.3 | 13.7 |
| 1993 | 28.8 | 13.0 | 15.8 |
| 1994 | 35.5 | 17.8 | 17.7 |
| 1995 | 35.4 | 17.8 | 17.6 |
| 1996 | 35.1 | 17.2 | 17.9 |

## Glossary of Mutual Fund Terms

For an explanation of fund types, see pages 18-19.

Adviser-An organization employed by a mutual fund to give professional advice on the fund's investments and asset management practices (also called the investment adviser).

## Annual and Semiannual

Reports-Summaries that a mutual fund sends to its shareholders that discuss the fund's performance over a certain time period and identify the securities in the fund's portfolio on a specific date.

Appreciation-An increase in an investment's value.

## Asked or Offering Price-(As seen

 in some mutual fund newspaper listings, see page 22.) The price at which a mutual fund's shares can be purchased. The asked or offering price includes the current net asset value per share plus any sales charge.Assets-The current dollar value of the pool of money shareholders have invested in a fund.

Automatic Reinvestment-A fund service giving shareholders the option to purchase additional shares using dividend and capital gain distributions.

Average Portfolio Maturity-The average maturity of all the bonds in a bond fund's portfolio.

Bear Market-A period during which security prices in a particular market (such as the stock market) are generally falling.

Bid or Sell Price-The price at which a mutual fund's shares are redeemed, or bought back, by the fund. The bid or redemption price is usually the current net asset value per share.

Bond-A debt security, or IOU, issued by a company, municipality or government agency. A bond investor lends money to the issuer and, in exchange, the issuer promises to repay the loan amount on a specified maturity date; the issuer usually pays the bondholder periodic interest payments over the life of the loan.

Broker/Dealer (or Dealer)-A firm that buys and sells mutual fund shares and other securities from and to investors.

Bull Market-A period during which security prices in a particular market (such as the stock market) are generally rising.

Capital Gain Distribution-Profits distributed to shareholders resulting from the sale of securities held in the fund's portfolio for more than one year.

Closed-end Fund-A type of investment company that has a fixed number of shares which are publicly traded. The price of a closedend fund share fluctuates based on investor supply and demand. Closed-end funds are not required to redeem shares and have managed portfolios.

Commission-A fee paid by an investor to a broker or other sales agent for investment advice and assistance.

Compounding-Earnings on an investment's earnings. Over time, compounding can produce significant growth in the value of an investment.

## Contingent Deferred Sales Charge

 (CDSC)-A fee imposed when shares are redeemed (sold back to the fund) during the first few years of ownership.Credit Risk-The possibility that a bond issuer may not be able to pay interest and repay its debt.

Custodian-An organization, usually a bank, that holds the securities and other assets of a mutual fund.

Depreciation-A decline in an investment's value.

Distribution-1) The payment of dividends and capital gains, or 2) a term used to describe a method of selling to the public.

Diversification-The practice of investing broadly across a number of securities to reduce risk.

Dollar-cost Averaging-The practice of investing a fixed amount of money at regular intervals, regardless of whether the securities markets are declining or rising.

Exchange Privilege-A fund option enabling shareholders to transfer their investments from one fund to another within the same fund family as their needs or objectives change. Typically, fund companies allow exchanges several times a year for a low or no fee.

Ex-dividend Date-With regard to mutual funds, this is the day on which declared distributions (dividends or capital gains) are deducted from the fund's assets before it calculates its net asset value (NAV). The NAV per share will
drop by the amount of the distribution per share.

Expense Ratio-A fund's cost of doing business-disclosed in the prospectus-expressed as a percentage of its assets.

Face Value-The amount that a bond's issuer must repay at the maturity date.

Family of Funds-A group of mutual funds, each typically with its own investment objective, managed and distributed by the same company.

401(k) Plan-An employer-sponsored retirement plan that enables employees to make tax-deferred contributions from their salaries to the plan.

403(b) Plan-An employer-sponsored retirement plan that enables employees of universities, public schools and non-profit organizations to make tax-deferred contributions from their salaries to the plan.

457 Plan-An employer-sponsored retirement plan that enables employees of state and local governments and other tax-exempt employers to make tax-deferred contributions from their salaries to the plan.

Hedge Fund-A private investment pool for wealthy investors that, unlike a mutual fund, is exempt from SEC regulation.

Income-Dividends, interest and/or short-term capital gains paid to a mutual fund's shareholders. Income is earned on a fund's investment portfolio after deducting operating expenses.

## Individual Retirement Account

 (IRA)-An investor-established, taxdeferred account set up to hold and invest funds until retirement.Inflation Risk-The risk that a portion of an investment's return may be eliminated by inflation.

Interest Rate Risk-The possibility that a bond's or bond mutual fund's value will decrease due to rising interest rates.

Investment Adviser-An organization employed by a mutual fund to give professional advice on the fund's investments and asset management practices.

Investment Company-A corporation, trust or partnership that invests pooled shareholder dollars in securities appropriate to the organization's objective. Mutual funds, closed-end funds and unit investment trusts are the three types of investment companies.

Investment Objective-The goal that an investor and mutual fund pursue together, e.g., current income, long-term capital growth, etc.

Issuer-The company, municipality or government agency that issues a security, such as a stock, bond or money market security.

Large-cap Stocks-Stocks of largecapitalization companies, which are generally considered to be companies whose total outstanding shares are valued at $\$ 2$ billion or more.

Liquidity-The ability to have ready access to invested money. Mutual funds are liquid because their shares can be redeemed for current value (which may be more or less than the original cost) on any business day.

Long-term Funds-A mutual fund industry designation for all funds other than money market funds. Long-term funds are broadly divided into equity (stock) and bond and income funds.

Management Fee-The amount paid by a mutual fund to the investment adviser for its services.

Maturity-The date by which an issuer promises to repay the bond's face value.

Mutual Fund-An investment company that stands ready to buy back its shares at their current net asset value, which is the total market value of the fund's investment portfolio divided by the number of shares outstanding. Most mutual funds continuously offer new shares to investors.

National Association of Securities Dealers, Inc. (NASD)-A self-regulatory organization with authority over firms that distribute mutual fund shares as well as other securities.

Net Asset Value (NAV)-The pershare value of a mutual fund, found by subtracting the fund's liabilities from its assets and dividing by the number of shares outstanding. Mutual funds calculate their NAVs at least once daily.

No-load Fund-A mutual fund whose shares are sold without a sales commission and without a 12b-1 fee of more than .25 percent per year.

## Open-end Investment

Company-The legal name for a mutual fund, indicating that it stands ready to redeem (buy back) its shares from investors.

Operating Expenses-Business costs paid from a fund's assets before earnings are distributed to shareholders. These include management fees and 12b-1 fees and other expenses.

## Payroll Deduction Plan-An

 arrangement that some employers offer employees to accumulate mutual fund shares. Employees authorize their employer to deduct a specified amount from their salary at stated times and transfer the proceeds to the fund.Pooling-The basic concept behind mutual funds in which a fund aggregates the assets of investors who share common financial goals. A fund uses the investment pool to buy a diversified portfolio of investments, and each mutual fund share purchased represents ownership in all the fund's underlying securities.

Portfolio-A collection of securities owned by an individual or an institution (such as a mutual fund) that may include stocks, bonds and money market securities.

Portfolio Manager-A specialist employed by a mutual fund's adviser to invest the fund's assets in accordance with predetermined investment objectives.

Portfolio Turnover-A measure of the trading activity in a fund's investment portfolio-how often securities are bought and sold by a fund.

Prepayment Risk-The possibility that a bond owner will receive his or her principal investment back from the issuer prior to the bond's maturity date.

Principal-See Face Value.
Professional Management-The full-time, experienced team of professionals that decides which securities to buy, hold and sell for a mutual fund portfolio.

Prospectus-The official document that describes a mutual fund to prospective investors. The prospectus contains information required by the SEC, such as investment objectives and policies, risks, services and fees.

Quality-The creditworthiness of a bond issuer, which indicates the likelihood that it will be able to repay its debt.

Redeem-To cash in mutual fund shares by selling them back to the fund. Mutual fund shares may be redeemed on any business day. You will receive the current share price, called net asset value, minus any deferred sales charge or redemption fee.

Redemption Price-The amount per share (shown as the "bid" in newspaper tables) that mutual fund shareholders receive when they cash in shares. The value of a fund's shares on any given day depends on the current market value of its underlying investment portfolio at that time.

## Reinvestment Privilege-An

 option whereby mutual fund dividend and capital gain distributions automatically buy new fund shares.Risk/Reward Tradeoff-The principle that an investment must offer higher potential returns as compensation for the likelihood of increased volatility.

Rollover-The shifting of an investor's assets from one qualified retirement plan to another-due to changing jobs, for instancewithout a tax penalty.

Sales Charge or Load-An amount charged for the sale of some fund shares, usually those sold by brokers or other sales professionals. By regulation, a mutual fund sales charge may not exceed 8.5 percent of an investment purchase. The charge may vary depending on the amount invested and the fund chosen. A sales charge or load is reflected in the asked or offering price (see Asked Price).

Securities and Exchange Commission (SEC)-The primary U.S. government agency responsible for the regulation of the day-to-day operations and disclosure obligations of mutual funds.

Series Fund-A group of different mutual funds, each with its own investment objective and policies, that is structured as a single corporation or business trust.

Share Classes (e.g., Class A, Class B, etc.)-Represent ownership in the same fund, but charge different fees. This can enable shareholders to choose the type of fee structure that best suits their particular needs.

Shareholder-An investor who owns shares of a mutual fund or other company.

Short-term Funds-Another term for money market funds.

Small-cap Stocks-Stock of smallcapitalization companies, which are generally considered to be companies whose total outstanding shares are valued at less than $\$ 1$ billion.

Statement of Additional Information (SAI)-The supplementary document to a prospectus that contains more detailed information about a mutual fund; also known as "Part B" of the prospectus.

Stock-A share of ownership or equity in a corporation.

Total Return-A measure of a fund's performance that encompasses all elements of return: dividends, capital gain distributions and changes in net asset value. Total return is the change in value of an investment over a given period, assuming reinvestment of any dividends and capital gain distributions, expressed as a percentage of the initial investment.

Transfer Agent-The organization employed by a mutual fund to prepare and maintain records relating to shareholder accounts.

12b-1 Fee-A mutual fund fee, named for the SEC rule that permits it, used to pay for distribution costs, such as advertising and commissions paid to dealers. If a fund has a $12 \mathrm{~b}-1$ fee, it will be disclosed in the fee table of a fund's prospectus.

Underwriter-The organization that sells a mutual fund's shares to broker/dealers and investors.

Unit Investment Trust (UIT)-An investment company that buys and holds a fixed number of shares until the trust's termination date. When the trust is dissolved, proceeds are paid to shareholders. A UIT has an unmanaged portfolio. Like a mutual fund, shares of a UIT can be redeemed on any business day.

Variable Annuity-An investment contract sold by an insurance company; capital is accumulated, often through mutual fund investments, and converted to an income stream later, often at an investor's retirement.

Withdrawal Plan-A fund service allowing shareholders to receive income or principal payments from their fund account at regular intervals.

Yield-A measure of net income (dividends and interest) earned by the securities in the fund's portfolio less the fund's expenses during a specified period. A fund's yield is expressed as a percentage of the maximum offering price per share on a specified date.


[^0]:    *Many mutual funds offer lower investment minimums for Individual Retirement Accounts and automatic investment plans.

[^1]:    *Other investors include U.S. households, pension funds and insurance companies.

[^2]:    *Other investors include U.S. households, insurance companies and bank personal trusts.
    Source: Federal Reserve Board

[^3]:    *Net new cash flow is the dollar value of new sales minus redemptions, combined with net exchanges.

