What's Ahead for Stocks and Bondsand How to Be Sure You Earn Your Fair Share

Remarks by John C. Bogle, Founder, The Vanguard Group<br>at

The Money Show
Las Vegas, Nevada
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## Annual Returns of the S\&P 500, 1906-2005




## Investment Return:

## Earnings Growth and Dividend Yield



## Speculative Return: <br> The Impact of Changes in the P/E Ratio

P/E Goes From:


## Investment Return Versus Market Return Growth of \$1: 1900-2005


*Impact of change in price-earnings ratio

## Investment Returns on Stocks, Past and Future

Dividends and Earnings Growth, annualized


## Speculative Returns on Stocks, Past and Future

Change in P/E Ratio


## Total Returns on Stocks, Past and Future

Investment Return plus Speculative Return


## Investment Returns on Bonds, Past and Future

## Yield at Start of Each Period



## Bonds: Current Yields and Future Returns Yield and Total Return of IT Gov't Bonds




## Total Returns on Bonds, Past and Future

Beginniing Yield, and Return for Following Period


## Return on a Balanced Portfolio, Past and Future



Average Fund versus 500 Index Fund, 11. 1980-2005

|  | 500 Index Fund <br> Rate Profit on $\mathbf{\$ 1 , 0 0 0}$ |  | Avg. <br> Rate Pr | Fund <br> fit on \$1,000 | Fund \% of Index Profit |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Gross Return | 12.5\% | \$17,920 | 12.5\% | \$17,920 | 100\% |
| Fund Lag | -0.2 |  | -2.5 |  |  |
| Pre-tax Return | 12.3\% | \$17,080 | 10.0\%* | \$9,820 | 57\% |

## The Selection Penalty: Net Flow into Equity Funds



Source: Strategic Insight

Average Fund versus 500 Index Fund, 1980-2005

|  | 500 Index Fund <br> Rate Profit on \$1,000 |  | Avg. <br> Rate Pr | Fund ofit on \$1,000 | Fund \% of Index Profit |
| :---: | :---: | :---: | :---: | :---: | :---: |
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| Fund Lag | -0.2 |  | -2.5 |  |  |
| Pre-tax Return | 12.3\% | \$17,080 | 10.0\%* | \$9,820 | 57\% |
| Time/Sel. Penal |  |  | -2.7 |  |  |
| Investor Return | 12.3\% | \$17,080 | 7.3\% | \$4,820 | 28\% |

Average Fund versus 500 Index Fund, 1980-2005

|  | $\begin{gathered} 500 \text { Index Fund } \\ \text { Rate } \\ \text { Profit on } \$ 1,000 \end{gathered}$ |  | Avg. <br> Rate Pr | Fund <br> ofit on \$1,000 | Fund \% of Index Profit |
| :---: | :---: | :---: | :---: | :---: | :---: |
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| Time/Sel. Penalt |  |  | -2.7 |  |  |
| Investor Return | 12.3\% | \$17,080 | 7.3\% | \$4,820 | 28\% |
| Inflation | -3.3 |  | -3.3 |  |  |
| Real Return | 9.0\% | \$7,620 | 4.0\% | \$1,670 | 22\% |

[^0]
## Growth Over Ten Years, Nominal Returns



## Growth Over Ten Years, Real Returns



## Picking the Short-Term Winners

Annual Returns
1996-1999

| Rank | Time-wtd. |
| :---: | :---: |
| 1. $65.8 \%$ |  |

2. 62.5
3. 59.5
4. 58.5
5. 54.8
6. 53.3
7. 51.5
8. 51.5
9. 50.0
10. 49.7

Avg. 55\%
Based on 851 funds with more than $\$ 100$ million of assets.

## Picking the Short-Term Winners 18.

 Annual Returns| 1996-1999 |  | 1999-2002 |  |
| :---: | :---: | :---: | :---: |
| Rank | Time-wtd. | Rank | Time-wtd. |
| 1. | 65.8\% | 841. | -37.1\% |
| 2. | 62.5 | 832. | -31.2 |
| 3. | 59.5 | 845. | -40.7 |
| 4. | 58.5 | 791. | -27.4 |
| 5. | 54.8 | 801. | -28.6 |
| 6. | 53.3 | 798. | -28.2 |
| 7. | 51.5 | 790. | -27.2 |
| 8. | 51.5 | 843. | -39.1 |
| 9. | 50.0 | 851. | -51.7 |
| 10. | 49.7 | 793. | -27.9 |
| Avg. | 55\% |  | -34\% |

Based on 851 funds with more than $\$ 100$ million of assets.

## Picking the Short-Term Winners

| 1996-1999 |  | 1999-2002 |  | $96-02$ <br> Time-wtd. |
| :---: | :---: | :---: | :---: | :---: |
| Rank | Time-wtd. | Rank | Time-wtd. |  |
| 1. | 65.8\% | 841. | -37.1\% | 13\% |
| 2. | 62.5 | 832. | -31.2 | 39 |
| 3. | 59.5 | 845. | -40.7 | -16 |
| 4. | 58.5 | 791. | -27.4 | 52 |
| 5. | 54.8 | 801. | -28.6 | 35 |
| 6. | 53.3 | 798. | -28.2 | 33 |
| 7. | 51.5 | 790. | -27.2 | 34 |
| 8. | 51.5 | 843. | -39.1 | -21 |
| 9. | 50.0 | 851. | -51.7 | -62 |
| 10. | 49.7 | 793. | -27.9 | 26 |
| Avg. | 55\% |  | -34\% | 7\% |

Based on 851 funds with more than $\$ 100$ million of assets.

## Picking the Short-Term Winners ${ }^{20}$.

 Annual Returns1996-1999
1999-2002
Rank Time-wtd. Rank Time-wtd. Cumulative Returns

$$
96-02 \quad 96-02
$$

Time-wtd. Dollar-wtd.

| 1. | $65.8 \%$ | 841. | $-37.1 \%$ | $13 \%$ | $-62 \%$ |
| :---: | :--- | :---: | :--- | :---: | :---: |
| 2. | 62.5 | 832. | -31.2 | 39 | -80 |
| 3. | 59.5 | 845. | -40.7 | -16 | -85 |
| 4. | 58.5 | 791. | -27.4 | 52 | -57 |
| 5. | 54.8 | 801. | -28.6 | 35 | -18 |
| 6. | 53.3 | 798. | -28.2 | 33 | -60 |
| 7. | 51.5 | 790. | -27.2 | 34 | -56 |
| 8. | 51.5 | 843. | -39.1 | -21 | -87 |
| 9. | 50.0 | 851. | -51.7 | -62 | -66 |
| 10. | 49.7 | 793. | -27.9 | 26 | -3 |
| Avg. | $55 \%$ |  | $-34 \%$ | $7 \%$ | $-57 \%$ |

Based on 851 funds with more than $\$ 100$ million of assets.

# Winners, Losers, and Failures <br> Long-Term Returns of Mutual Funds 1970-2005 



Now, About Those Nine Winners
Annual Performance vs. S\&P 500 Since Fund's Peak


Year of
Fund Fund Fund Fund Fund Fund Fund Fund Fund $\begin{array}{lllllllllll}\text { Peak } & 1991 & 1983 & 1993 & 2005 & 1993 & 2005 & 1983 & 2005 & 1982\end{array}$

## Equity Mutual Funds: Returns vs. Costs

(10 Years Ended February 2005)

| Cost <br> Quartile | Gross <br> Return | Costs | Net <br> Return | Risk | Risk-adj <br> Return | Cum. <br> Gain |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| One <br> (lowest) | $\mathbf{1 2 . 6 \%}$ | $0.9 \%$ | $11.7 \%$ | $16.0 \%$ | $11.9 \%$ | $207 \%$ |
| Two | 12.5 | 1.5 | 11.0 | 17.0 | 10.9 | 181 |
| Three | 12.8 | 2.0 | 10.8 | 18.5 | 10.1 | 163 |
| Four <br> (highest) | $\mathbf{1 2 . 0}$ | $\mathbf{3 . 0}$ | $\mathbf{9 . 0}$ | 21.4 | $\mathbf{8 . 1}$ | 118 |
| Low Cost <br> Enhancement | $\mathbf{+ 5 \%}$ | $-70 \%$ | $\mathbf{+ 3 0 \%}$ | $-34 \%$ | $\mathbf{+ 4 7 \%}$ | $+75 \%$ |

Gross return was calculated by adding costs back into each group's net return.

## Odds of Actively Managed Fund Portfolio Outperforming Index Fund



## www.johncbogle.com


[^0]:    *Lipper reported return reduced by $0.6 \%$ for estimated survivor bias and $0.3 \%$ for sales charges.

