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

Remarks by John C. Bogle, Founder, The Vanguard Group at The Money Show Las Vegas, Nevada

May 15, 2006

## Annual Returns of the S&P 500, 1906 - 2005



## **Investment Return: Earnings Growth and Dividend Yield**



## **Speculative Return: The Impact of Changes in the P/E Ratio**

**2a.** 

#### **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

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#### **Yield at Start of Each Period**



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



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#### **Total** Returns on Bonds, Past and Future

#### **Beginning Yield, and Return for Following Period**



### Return on a Balanced Portfolio, Past and Future



60% stocks, 40% bonds

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

	500	Index Fund	Avg. Fund	of Index
	Rate	Profit on \$1,000	Rate Profit on \$1,000	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 Timing and Selection Penalties: <sup>12.</sup> Net Flow into Equity Funds



## Average Fund versus 500 Index Fund, 13. 1980 - 2005

	500 Rate	Index Fund Profit on \$1,000	Avg. Rate Pr	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%
Time/Sel. Penalt	ies		-2.7		
<b>Investor Return</b>	12.3%	\$17,080	7.3%	\$4,820	28%

## Average Fund versus 500 Index Fund, 14. 1980 - 2005

	500 Rate	Index Fund Profit on \$1,000	Avg. Rate Pr	Fund ofit on \$1,000	of Index Profit
Gross Return	12.5%	\$17,920	12.5%	\$17,920	100%
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Time/Sel. Penalt	ies		-2.7		
<b>Investor Return</b>	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%

\*Lipper reported return reduced by 0.6% for estimated survivor bias and 0.3% for sales charges.

## Growth Over Ten Years, Nominal Returns



## Growth Over Ten Years, Real Returns



## Picking the Short-Term Winners <sup>17.</sup>

Annual Return					
199 Rank	0 - 1999 Time-wtd.				
1.	65.8%				
2.	62.5				
3.	<b>59.5</b>				
4.	58.5				
5.	54.8				
6.	53.3				
7.	51.5				
8.	51.5				
9.	50.0				
10.	<b>49.7</b>				
Avg.	55%				

<b>Picking the Short-Term Winners</b>							
Annual Returns							
	199	6 - 1999	<b>199</b>				
	Rank	Time-wtd.	Rank	Time-wtd.			
	1.	65.8%	841.	-37.1%			
	2.	62.5	832.	-31.2			
	3.	<b>59.5</b>	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.	<b>49.7</b>	793.	-27.9			
	Avg.	55%		-34%			

<b>Picking the Short-Term Winners</b> <sup>1</sup>							
Annual Returns Cum. Returns							
1996 - 1999		199	9 - 2002	<b>96 - 02</b>			
Rank	Time-wtd.	Rank	Time-wtd.	Time-wtd.			
1.	65.8%	841.	-37.1%	13%			
2.	62.5	832.	-31.2	39			
3.	<b>59.5</b>	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%			

Dialing the Short Term Winners

Picking the Short-Term Winners <sup>20.</sup>						
Annu	Annual Returns Cumulative Returns					
<b>1996 - 1999</b>	1999 - 2002	<b>96 - 02</b>	<b>96 – 02</b>			
Rank Time-wtd	. Rank Time-wtd.	Time-wtd.	Dollar-wtd.			
1. 65.8%	<b>841.</b> -37.1%	13%	-62%			
2. 62.5	<b>832. -31.2</b>	39	-80			
3. 59.5	<b>845. -40.7</b>	-16	-85			
4. 58.5	<b>791. -27.4</b>	52	-57			
5. 54.8	80128.6	35	-18			
6. 53.3	<b>798. -28.2</b>	33	-60			
7. 51.5	79027.2	34	-56			
8. 51.5	<b>843. -39.1</b>	-21	-87			
9. 50.0	<b>851. -51.7</b>	-62	-66			
10. 49.7	<b>793. -27.9</b>	26	-3			
Avg. 55%	-34%	7%	-57%			

## Winners, Losers, and Failures 21. Long-Term Returns of Mutual Funds 1970 - 2005



## Now, About Those Nine Winners



### Equity Mutual Funds: Returns vs. Costs (10 Years Ended February 2005)

Cost Quartile	Gross Return	Costs	Net Return	Risk	Risk-adj Return	Cum. Gain
One (lowest)	12.6%	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 (highest)	12.0	3.0	9.0	21.4	8.1	118
Low Cost Enhancement	+5%	-70%	+30%	-34%	+47%	+75%

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

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## Odds of Actively Managed Fund Portfolio Outperforming Index Fund



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