

Outline

- Risk A Financial Markets View
- Relationship Between Risk and Return
- Managing Downside Risk: Lowering Equity Volatility
- Investment Mandates & Risk Levels



Risk A Financial Markets View

- Risk Relates to Variability of Asset Returns and Ability to Fund Investor Goals
 - Variability Over Time Termed Volatility
 - Variability At a Point in Time Often Called Dispersion or Spread

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- Risk Measures Are Usually Statistical Concepts; Risk Issues Are Broader in Scope
- Risk Can Be Viewed in Relative or Absolute Terms
- Risk Levels Have Investment Implications

Risk Does Matter The Mathematics of Compounding It's Tougher to Get It Back



Why Does Risk Matter? A Simple Example

		Investment A	Investment B	
	Year	Annual Return	Annual Return	
Two investment	1	-6.0	-20.0	
programe produce the	2	12.0	16.0	Average Annual Return
	3	10.0	12.0	is 8% for both
same annual average	4	-7.0	-22.0	Investments (A and B).
return but with	5	14.0	20.0	The Standard Deviation
different levels of risk	6	15.0	22.0	of B (20%) is twice the
	7	8.0	8.0	volatility of A (10%).
	8	13.0	18.0	<u> </u>
	9	18.0	28.0	
	10	3.0	-2.0	While the average
	11	10.0	12.0	annual return is the
	12	6.0	4.0	same for the two
	13	-12.0	-32.0	invostments the
	14	18.0	28.0	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-28.0		
	16	21.0	34.0	geometric) return is
	17	23.0	38.0	quite different.
	18	7.0	6.0	
	19	5.0	2.0	TWIN
	20	12.0	16.0	

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Standard Deviation Over Time (Volatility) is a Risk Measure; You Should Care About It



Volatility Matters Because It Reduces Wealth

		Percent (%)	
	Investment A	Investment B	Investment C
Year	Annual Return	Annual Return	Annual Return
1	-6.0	-20.0	-7.0
2	12.0	16.0	11.0
3	10.0	12.0	9.0
4	-7.0	-22.0	-8.0
5	14.0	20.0	13.0
6	15.0	22.0	14.0
7	8.0	8.0	7.0
8	13.0	18.0	12.0
9	18.0	28.0	17.0
10	3.0	-2.0	2.0
11	10.0	12.0	9.0
12	6.0	4.0	5.0
13	-12.0	-32.0	-13.0
14	18.0	28.0	17.0
15	-10.0	-28.0	-11.0
16	21.0	34.0	20.0
17	23.0	38.0	22.0
18	7.0	6.0	6.0
19	5.0	2.0	4.0
20	12.0	16.0	11.0
Average Annual Return	8.0	8.0	7.0
Standard Deviation of Annual Return	10.1	20.1	10.1
Geometric Annualized Return	7.5	6.0	6.5
Value of \$1 Million Invested at End of 20-Years	\$4,273,985	\$3,212,138	\$3,542,465

Average Annual Return is 8% for both Investments (A & B). The Standard Deviation of B (20%) is twice that of A (10%).

While the average annual return is the same for both investments, the annualized (or geometric) return is quite different.

While the Average Annual Return is lower for Investment C compared to B, the annualized return is actually greater due to Investment C's lower standard deviation.

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Relationship Between Risk & Return

Geometric Annualized Return = Average Annual Return - ½ (Standard Deviation of Return)²

Investment A: $0.075 = 0.08 - \frac{1}{2} (.1)^2$

Investment B: $0.06 = 0.08 - \frac{1}{2} (.2)^2$

Investment A: $0.065 = 0.07 - \frac{1}{2} (.1)^2$

Lower Annual Standard Deviation Means Higher Geometric or Compounded Annual Return and Ending Wealth Level

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Extreme Daily Changes Tend to Cluster

NYSE Composite Index - Daily Performance (Dividends Omitted)

	Bes	st Days			Wors	t Days		
Rank	Date	Level	Change (%)	Rank	Date	Level	Change (%)	
1	13-Oct-2008	6401.0	12.2	1	19-Oct-1987	1360.0	-19.2	la data francis
2	28-Oct-2008	5733.4	10.3	2	15-Oct-2008	5760.0	-9.7	In data from
3	21-Oct-1987	1533.4	9.0	3	1-Dec-2008	5092.7	-9.0	January 2, 1966 -
4	13-Nov-2008	5715.8	7.4	4	29-Sep-2008	7204.0	-8.7	July 31, 2013 29
5	23-Mar-2009	5185.9	7.3	5	26-Oct-1987	1352.2	-8.1	of 40 of the most
6	24-Nov-2008	5313.8	7.1	6	9-Oct-2008	5810.0	-7.9	extreme days
7	21-Nov-2008	4959.8	6.6	7	20-Nov-2008	4651.2	-7.2	(identified in red)
8	10-Mar-2009	4499.4	6.5	8	8-Aug-2011	6896.0	-7.1	(identified in red)
9	20-Oct-2008	6287.6	5.7	9	22-Oct-2008	5630.5	-7.0	have occurred
10	16-Dec-2008	5805.0	5.6	10	19-Nov-2008	5012.0	-6.6	since September
11	24-Jul-2002	4791.5	5.3	11	27-Oct-1997	4897.9	-6.6	<i>15, 2008.</i>
12	19-Sep-2008	8187.1	5.3	12	31-Aug-1998	5081.7	-6.2	
13	9-Aug-2011	7258.0	5.3	13	20-Jan-2009	5058.1	-6.1	
14	27-May-1970	419.3	5.2	14	8-Jan-1988	1448.9	-6.1	
15	29-Jul-2002	5125.2	5.2	15	13-Oct-1989	1962.1	-5.8	
16	10-May-2010	7257.6	4.9	16	6-Nov-2008	5667.4	-5.7	
17	16-Mar-2000	6708.4	4.9	17	12-Nov-2008	5320.7	-5.6	
18	4-Nov-2008	6345.1	4.8	18	2-Mar-2009	4361.0	-5.5	
19	30-Nov-2011	7484.5	4.7	19	7-Oct-2008	6388.4	-5.4	
20	11-Δug-2011	7257 6	46	20	4-Δuα-2011	7428 4	-54	

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TWIN

Ending Investment Value Greatly Influenced By A Few Days





Long History Shows Substantial Intra-Year Draw-downs

Annual Returns & Intra-Year Declines: Dow 30 Industrials 1897 - 2012



Intra-Year decline is defined as the maximum decline for up to a six-month period within a calendar year. The average such decline is 12.4% for the Dow 30 during the 116 years between 1897 & 2012, even though the average yearly return is positive (7.4%).



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Substantial Draw-downs Also Evident in Broader Market Indices

Annual Returns & Intra-Year Declines: NYSE Composite 1966 - 2012



Intra-Year decline using daily data is defined as the maximum decline for up to a 126-day period within a calendar year. The average such decline is 14.8% for the NYSE Composite between 1966 & 2012, even though the average yearly return is positive (6.1%).



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Negative Equity Premia Evident For Shorter-Term Periods

U.S. HISTORICAL NOMINAL EQUITY PREMIUMS (Rolling Annualized Stock-Bond Returns Gaps)





Investment Implications of Extremes

- Recent Extreme Ups and Downs Dramatically Raise Measured Risk
- Significant Changes to Ending Wealth Associated with Extreme
 Market Moves
- Difficult to Forecast Onset of Extreme Moves, Although
 Clustering Evident
- Use of Tranches when Making Allocation Changes Can Reduce Adverse Timing Effects
- Lowering Equity Volatility Exposure Offers Chance to Exploit Low-Volatility Anomaly and Reduce Risk



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Low-Volatility Anomaly Facts

- Modern portfolio theory (CAP-M) states that investors who take on greater risk can expect to earn greater rewards
- An ever-growing collection of research disputes this fundamental relationship between expected risk and reward
 - Least-volatile stocks in the US and other global markets have produced higher average returns (+17%) historically compared to the highest-risk stocks (Baker & Haugen 2012)
 - Advantage of lower-volatility stocks exists using different measures of risk, sub-periods and capitalization tiers (Baker, Bradley & Wurgler 2011)

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 Evidence suggests effect is stronger in more recent periods



Low-Volatility Anomaly Facts



Low-Volatility Anomaly Implementation

- Managed volatility strategies
 - Minimum-variance
 - Blended equity & fixed income approach (i.e., Risk Parity)
- Passive exposure via ETFs
 - LGLV (SPDR Russell 1000)
 - SPLV (PowerShares S&P 500)
- Low-volatility active equity strategies

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Isolating Less Volatile Stocks

- Goal is to provide exposure to large-cap US stocks with a moderately long history of dividend *payment and growth*.
 - Stocks capable of *growing* dividends provide a potential inflation hedge, especially when compared to fixed-coupon bonds.
 - Large, well-known companies with a rising dividend profile tend to be less risky, offering the potential to reduce volatility.
- Investable portfolio derived from regularly applying a series of dividend screening rules to large-cap equity market index constituents.
- Successful dividend investing is about more than chasing high yield!

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Dividend Select Club

- Stocks in the S&P 500 with at least 10 years of history are screened to insure the latest indicated annual dividend is at least as large as the level one year ago, and strictly progressively increasing over intervals of prior 10, 5, 3 and 1 years.
- The indicated annual dividend must be less than recent reported trailing 12-month operating earnings and the 12-month forward consensus analyst earnings estimate.
- Stocks in the *Dividend Select Club* are reconstituted at each quarter-end based on current dividend & earnings trends.

The Dividend Select Club is a custom collection of companies with a rising dividend stream thought to be less at-risk than the stream from typical dividend-paying stocks.



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Dividend Select Club Portfolio Characteristics July 2013

	Dividend Select		S&P 500	Russell
Characteristic	Club	S&P 500	Value	3000
Holdings (#)	146	500	356	2923
Weighted Avg MCAP (\$ Mil)	127,467.7	103,989.8	96,672.4	85,848.7
Dividend Yield (%)	2.9%	2.3%	2.7%	2.2%
Price-to-Earnings (Trail 12 mo) Ratio	16.4	18.1	12.6	16.2
Price-to-Book Ratio	5.2	4.4	3.3	4.3
Earnings Growth (%, Next 5 yrs)	9.6%	15.1%	13.9%	16.2%
MSCI-BARRA Predicted Beta (Relative to S&P 500)	0.863	1.000	1.039	1.031

The Dividend Select Club is currently less volatile (lower Beta), higher-yielding, and has higher average capitalization relative to other market benchmarks. Moreover, the TWIN Dividend Select Club has a higher Price-to-Book multiple than a Value index; it is not a "cheap" portfolio in that sense.



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Stock Dividends Research Analysis

- Beginning in December 1980, assign every S&P 500 Index constituent into one of three groups:
 - 1. The *Dividend Select Club* members
 - Companies that currently pay dividends but are not members of the "*Club*" (Weak Dividend Payers)
 - 3. Companies that do not currently pay dividends (Non-Dividend Payers)
- Reconstitute each group on a quarterly basis
- Calculate monthly returns for the three portfolio groups

Key Result - While excess returns (relative to the S&P 500) vary, the **Dividend** Select Club members have consistently been the lowest-risk group.

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Dividend Select Club Up and Down Market Capture -- Jan 1981: June 2013



Top Holdings Comparison Alternative Dividend Groups v. S&P 500

TOP 10 STOCKS

EXXON MOBIL MICROSOFT WAL-MARTAPPLE GENERAL ELECTRIC WELLS FARGOGOOGLE BERKSHIRE HATHAWAY AMAZON.COMEXXON MOBIL APPLE GOOGLEJOHNSON & JOHNSON CHEVRONJ P MORGAN CHASE PFIZERGILEAD SCIENCES EBAYMICROSOFT BERKSHIRE HATHAWAY BERKSHIRE HATHAWAYIBMCITIGROUPAMER INTL GROUPWAL-MART BIOGEN IDECPROCTER & GAMBLEVISABIOGEN IDECJOHNSON & JOHNSON	Dividend Select Club	Weak Dividend Payers	Non-Dividend Payers	S&P 500
AT&T ORACLE EXPRESS SCRIPTS GENERAL ELECTRIC COCA-COLA PHILIP MORRIS CELGENE CHEVRON VERIZON MERCK GENERAL MOTORS WELLS FARGO	EXXON MOBIL MICROSOFT WAL-MART JOHNSON & JOHNSON CHEVRON IBM PROCTER & GAMBLE AT&T COCA-COLA VERIZON	APPLE GENERAL ELECTRIC WELLS FARGO J P MORGAN CHASE PFIZER CITIGROUP VISA ORACLE PHILIP MORRIS MERCK	GOOGLE BERKSHIRE HATHAWAY AMAZON.COM GILEAD SCIENCES EBAY AMER INTL GROUP BIOGEN IDEC EXPRESS SCRIPTS CELGENE GENERAL MOTORS	EXXON MOBIL APPLE GOOGLE MICROSOFT BERKSHIRE HATHAWAY WAL-MART JOHNSON & JOHNSON GENERAL ELECTRIC CHEVRON WELLS FARGO

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As of June 28, 2013, the Dividend Select Club includes 5 of the largest 10 stocks as ranked by market capitalization in the S&P 500.



Relative Excess Returns (%)

			Other	Non-	
		Dividend	Dividend-	Dividend-	
		Select Club	Paying	Paying	
Y	EAR	Stocks	Stocks	Stocks	
	1981	-3.3	5.5	-7.3	
	1982	-2.6	0.6	10.9	
	1983	-0.7	1.3	7.4	
	1984	2.3	-0.7	-17.0	
	1985	1.1	0.1	-10.0	
	1986	3.7	1.4	-18.8	
	1987	-2.0	1.0	7.0	
	1988	-0.3	-0.2	-0.6	
	1989	5.2	-2.7	-7.4	
	1990	4.1	-1.4	-19.2	
	1991	7.8	-9.2	1.4	
	1992	-4.0	4.7	9.4	
	1993	-7.2	7.6	7.1	
	1994	0.9	-1.0	1.0	
	1995	3.7	-3.4	-5.1	
	1996	-0.6	1.7	-5.9	
	1997	5.0	-7.1	-4.0	
	1998	-3.8	-6.0	30.4	
	1999	-11.4	-9.9	57.1	
-	2000	21.6	1.2	-26.4	
2	2001	4.6	1.6	-12.9	
2	2002	5.4	0.8	-13.8	
-	2003	-4.4	-0.2	17.2	
-	2004	-2.1	2.7	0.9	
-	2005	-2.0	4.7	-3.8	
-	2006	2.0	-0.2	-6.6	
	2007	-2.6	1.2	3.1	
-	2008	6.6	-5.7	-3.9	
-	2009	-12.6	4.8	25.7	
2	2010	0.0	-0.4	2.2	
2	2011	8.8	-5.7	-8.8	
2	2012	-5.7	1.2	8.1	
2	2013	0.8	-1.5	4.5	

Including the effect of dividends, a hypothetical Dividend Select Club portfolio has out-performed portfolios of other dividend paying stocks and non-paying stocks among S&P 500 constituents on average over the past 30+ years.

Returns are monthly buy & hold, cap-weighted measures with large individual positions constrained to a 6% target maximum weight.

Best-performing segment each period is highlighted.





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Dividend Cycles

Trailing 12-Month Dividend Group Return Minus S&P 500 Return



Return gap in favor of stocks with a growing and covered dividend profile (Dividend Select Club) reached a multi-year high in late 2011 as investors fled risk. So far in 2013, a preference for riskier stocks has prevailed.



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Isolating the Impact of Dividends S&P 500 Group Risk & Return (%) Periods Ending June 2013

		TWIN	Other	Non-	
		Dividend	Dividend-	Dividend-	
		Select Club	Paying	Paying	S&P 500
		Stocks	Stocks	Stocks	Stocks
Annualized R Through Latest Jan-1	eturns Period 981	11.68	10.47	9.55	10.90
Annualize Through Latest Jan-1	d Risk Period 981	14.06	16.15	23.25	15.18
Annualized R	eturns				
Selected F	Periods				
	1-YR	18.94	20.15	29.44	20.81
	3-YR	19.50	16.71	19.26	18.50
	5-YR	7.91	4.64	10.15	7.20
	10-YR	7.03	7.21	8.70	7.41
Annualize Selected F	d Risk Periods				
	1-YR	6.91	6.82	10.36	6.76
	3-YR	10.63	16.33	16.13	13.54
	5-YR	15.16	21.79	20.73	18.22
	10-YR	12.20	16.94	17.70	14.44
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Breaking the S&P 500 into 3 non-overlapping groups (Dividend Select Club, Other Dividend-paying Stocks & Non-Paying Stocks) shows dramatically different performance.

A portfolio of Dividend Select Club stocks has had lower risk over longer horizons than portfolios built from the other groups and the S&P 500 as a whole.

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Returns are hypothetical. See "HYPOTHETICAL RETURNS & PERFORMANCE" in the Disclosures for details

Investment Terms

- <u>Annualized Risk</u>: The variation of a portfolio's returns around its average return over an annual basis (measured by standard deviation).
- <u>Value-Added</u>: The difference between the manager's annualized return and the benchmark's (S&P 500) annualized return.
- <u>**Tracking Error</u>**: The annualized standard deviation of value-added, it measures the variation of a portfolio's returns relative to the benchmark. Managers with larger active bets tend to have return streams exhibiting higher tracking error.</u>
 - A manager with a 5% tracking error can be expected to produce positive & negative value-added in excess of 5% in 1 out of every 3 years.

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 Information Ratio: The ratio of annualized value-added to tracking error. Higher Information Ratios tell us that the manager is adding more value per unit of active risk. This is a very useful metric to determine whether a manager is skillful or not.



Investment Mandates & Risk Levels

Manager Mandate	Total Volatility	Active Risk
Passive	Equals Market	0.1% - 0.5%
Enhanced Index	Close to Market	1% - 2%
Active	At or Above Market	2% - 8%
Low-Volatility	Below Market	4% - 7%



Market Risk Remains Low



S&P 500 Size Group Performance

S&P 500 TOTAL RETURNS (%) BY CAPITALIZATION DECILE

		10P 50								B	50 STICM
YEAR	S&P 500	1	2	3	4	5	6	7	8	9	10
1995	37.6	41.3	36.4	36.6	33.7	35.7	34.4	26.9	25.8	24.5	27.0
1996	23.0	26.9	23.0	18.8	18.4	23.8	15.4	12.9	16.0	22.7	20.2
1997	33.4	36.2	35.2	28.5	31.5	30.6	26.6	23.3	24.0	17.5	35.1
1998	28.6	40.7	25.7	21.6	10.1	11.8	10.2	5.3	8.2	2.8	-6.7
1999	21.0	23.9	34.3	8.4	-1.5	3.4	15.7	5.8	11.2	13.3	21.6
2000	-9.1	-18.7	-5.0	8.4	19.5	16.4	18.0	17.7	21.0	19.2	1.1
2001	-11.9	-14.5	-15.6	-21.6	-11.3	-0.2	2.1	8.7	18.7	29.5	30.4
2002	-22.1	-22.5	-26.2	-22.6	-20.6	-19.1	-10.8	-12.1	-20.9	-23.0	-6.3
2003	28.7	22.9	33.2	29.6	33.9	38.5	39.3	34.0	46.8	61.3	59.8
2004	10.9	5.7	13.3	12.2	22.6	22.4	24.1	17.1	16.5	17.6	18.8
2005	4.9	-0.3	8.5	9.2	10.0	15.1	10.7	18.5	9.3	4.7	2.7
2006	15.8	17.4	10.0	14.4	14.4	21.6	16.7	11.0	15.2	24.1	15.0
2007	5.5	6.4	7.8	9.6	2.2	7.5	2.9	2.2	-3.8	-9.2	-11.9
2008	-37.0	-32.7	-43.0	-37.2	-35.6	-44.0	-37.7	-38.6	-45.9	-42.8	-45.4
2009	26.5	18.6	27.5	29.3	39.3	37.1	41.8	36.9	43.2	88.6	90.
2010	15.1	10.5	16.3	17.4	15.7	24.0	27.2	27.7	28.0	22.5	28.
2011	2.1	4.0	-2.3	6.5	0.7	-3.0	1.8	-1.8	-1.4	3.7	-4.
2012	16.0	15.4	17.3	16.8	13.9	20.2	17.1	17.1	15.7	16.2	26.4
2013	13.8	11.9	16.6	13.7	15.9	15.8	16.1	16.2	15.4	15.3	23.3
nnualized Average											
005-2012	8 5	7 9	84	84	9.1	11 2	12.5	10.2	10 3	12 0	12
			0.7	0.7	3.1	11.2	12.5	10.2	10.5	12.3	13.

2013 YTD Through June 28, 2013

Performance of Largest 50 stocks in the S&F 500 has varied dramatically over the past 18 years.



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S&P 500 Daily Returns Directional Agreement Measure



A value of 100% means that on that day all 500 constituent stocks moved in the same direction (i.e. up or down) as the market index.

The recent increase in the 50-Day AVG suggests that macro-driven forces (in this case, Ben Bernanke's comments about slowing down the quantitative easing) are becoming more important to investors.



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Key Takeaways

- Returns volatility acts as drag on realized performance and long-run wealth levels.
- Low-volatility anomaly exists; increasing investor focus on managed volatility strategies.
- Appropriate dividend screening provides a way to identify lower-risk stocks and exploit anomaly.
- Information Ratio is a useful concept to measure a manager's risk-adjusted value-added and level of skill
- There is a difference between stock market volatility over time and stock dispersion at a point in time; although both can have significant impact on plan sponsor decisions and their investment returns

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Important Disclosures

PAST PERFORMANCE IS NOT NECESSARILY INDICATIVE OF FUTURE RESULTS. INVESTMENTS ARE NOT GUARANTEED AND MAY LOSE VALUE.

TWIN Capital Management, Inc. ("TCM") is a registered investment advisor who started business in April 1990. Unless other wise noted, the performance of all indices and composites referenced herein include reinvested dividends and income. All indices referenced herein are passive, and do not reflect fees or expenses. Investors may not be able to invest in the indices directly. Graphs and charts included in this material are for informational purposes only and are not intended to serve as the basis for any investment decision.

MARKET DATA

Where market and/or index data is presented, it has been obtained from a variety of sources deemed reliable. These sources may include some or all of the following: Russell Investments, FactSet Research Systems, Ford Equity Research, and the US Treasury Department. TCM assumes no responsibility for the accuracy of this data.

DEFINITIONS & CALCULATIONS

Annualized Returns are calculated as the compound geometric average monthly returns. The geometric average is the monthly average return that assumes the same rate of return every period to arrive at the equivalent compound growth rate reflected in the actual return data. The results are annualized by raising the sum of one plus the compound geometric average monthly return to the twelfth power and then subtracting one.

Standard Deviation measures the dispersion of uncertainty in a random variable (in this case, investment returns). The higher the volatility of investment returns, the higher the standard deviation will be in any given case. For this reason, standard deviation is often used as a measure of investment risk. Values are calculated by applying the traditional sample deviation formula to monthly return data, and then annualized by multiplying the result by the square root of twelve.

INDEX INFORMATION

The S&P 500 Index is a representative measure of 500 leading companies from leading industries; the index is a benchmark for the large-cap segment of U.S. equity market. Company weights in the index are proportional to firms' available market capitalization (price times available shares outstanding). A Committee at Standard and Poor's maintains the index with a focus on liquidity and investability. Style category breakpoints based on an objective scoring algorithm are used to assign fractions of the S&P 500 Index constituents' capitalization to value & growth sub-indices.

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INDEX INFORMATION (Continued)

Russell Investments produces and maintains a family of U.S. equity indexes. In the determination of index membership, Russell calculates capitalization and style category breakpoint values based on ranks of U.S. common stocks at each annual reconstitution period using market value of freely-available outstanding shares (as of the last day of May each year). Stocks exceeding the breakpoint established for the largest 3,000 stocks become constituents in the Russell 3000 Index (with some adjustments to the constituent list to reduce category changes). Similarly, the largest approximately 1,000 stocks become the Russell 1000 Index; the next-largest approximately 2000 stocks become the Russell 2000 Index. The approximately 200 largest companies in the Russell 1000® Index become the Russell Top 200 Index. The stocks in the Russell Top 200 index typically account for approximately 75% of the aggregate market capitalization of the Russell 1000 Index. Style category breakpoints based on an objective scoring algorithm are used to assign fractions of the Russell 1000 Index constituents' capitalization to value & growth sub-indices.

The Dividend Select Club is a custom collection of companies with a rising dividend stream thought to be less at-risk than the stream from typical dividend-paying stocks. Stocks in the S&P 500 with at least 10 years of history are screened to insure the latest indicated annual dividend is at least as large as the level one year ago, and strictly progressively increasing over intervals of prior 10, 5, 3 and 1 years. In addition, the indicated annual dividend must be less than recent reported trailing 12-month operating earnings and the 12-month forward consensus analyst earnings estimate. The S&P 500 Index is a float-capitalization-weighted representative measure of leading large-cap companies created and maintained by Standard & Poor's. The Dividend Select Club is constructed and maintained by TCM as a hypothetical portfolio and is not a publicly available index. TCM reconstitutes the stocks in the Dividend Select Club at each quarter-end based on current dividend & earnings trends. Stock weights reflect market capitalization. Overly large weights are capped at a threshold for diversification purposes. While the stocks remain the same throughout the subsequent calendar quarter, the weight of each company in the benchmark is reset monthly based on the latest data at each month-end. Returns are computed using a bottom-up, buy and hold computation, based on prior month-end holdings in the Dividend Select Club at reconstitution are assigned to one of two distinct alternative group portfolios: Other Dividend Paying Stocks (provided the latest indicated annual dividend is strictly positive) or Non-Dividend Paying Stocks. Group weights and returns are constructed in an analogous manner to those of the Dividend Select Club.

CAPITAL MANAGEMENT

Important Disclosures

HYPOTHETICAL RETURNS & PERFORMANCE

The long-run performance presented by TCM for the Dividend Select Club, other dividend-related groupings of stocks and other custom benchmarks is hypothetical. Prospective investors are advised to consider a number of important factors when reviewing this type of back-tested information. The reported performance was derived from the retroactive application of sets of rules with the benefit of hindsight. There are inherent limitations with this type of data (e.g., performance results do not represent actual trading) and results are sensitive to the period of analysis chosen. TCM did not offer the trading strategies throughout the entire periods presented and different economic conditions might have impacted the adviser's decision-making when using the rules to manage actual client accounts. While the sets of rules have been applied consistently to generate the latest results, these rules and associated trading strategies have evolved over time. The performance presented does not reflect the deduction of advisory fees, brokerage or other commissions, mutual fund exchange fees, and other expenses a client would have paid. Investors are reminded of the potential for loss as well as profit.

