



JANUARY 2013

JOURNAL OF VALUE ADDED INDEXINGSM

2012 In Review

Throughout 2012, nervous investors did not have to look hard for reasons to avoid the financial markets. While daily headlines provided abundant gloom to feed their doubts, investors who acted on impulse could have missed the opportunity to participate in strong returns.

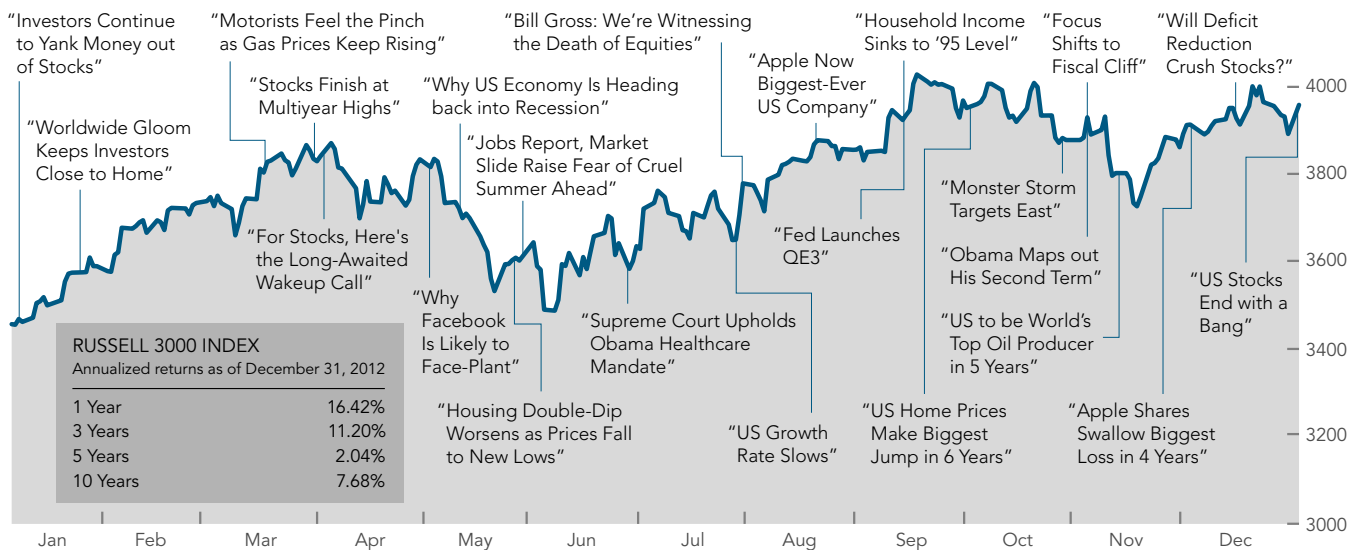
The graph below highlights some of the year's prominent headlines in context of US stock market

performance, as measured by the Russell 3000 Index. These headlines are not offered as an explanation of stock returns, but as a reminder that investors should view daily news events from a longer-term perspective, and avoid making investment decisions based solely on the news.

The year opened with lingering concern about the weak US recovery, the debt crisis in Europe, and political

US Stock Market Performance

Russell 3000 Index with Selected Headlines from 2012



Source: Russell Investment Group. In US dollars. Index is not available for direct investment. Performance does not reflect the expenses associated with management of an actual portfolio. Past performance is not a guarantee of future results.

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uncertainty around the world. Many financial pundits had predicted another lackluster year for stocks and more market volatility. Some forecasted a euro zone breakup triggered by impending debt defaults in Greece and Portugal. The global economy was showing early signs of a slowdown, and many investors were weighing the potential economic impact of the US elections and “fiscal cliff.”

Despite a steady diet of bad news, most markets around the world climbed the proverbial “wall of worry” to log strong returns. Major market indices around the globe delivered double-digit total returns, and as a group, the non-US developed and emerging markets outperformed

the US equity market. The total market value of global equities, as measured by the MSCI All-Country World Index, increased by an estimated \$6.5 trillion in 2012, while market-wide volatility fell to its lowest level in six years.

The World Stock Market Performance chart below offers a snapshot of global stock market performance, as measured by the MSCI All Country World Index. The global headlines show that despite an abundance of negative news during the year, global stocks had an exceptional year.

World Stock Market Performance

MSCI All Country World Index with Major Headlines from 2012



Source: MSCI. In US dollars. Index is not available for direct investment. Performance does not reflect the expenses associated with management of an actual portfolio. Past performance is not a guarantee of future results.

Themes in 2012

Investors focused on several major themes during the year:

Sluggish US Recovery

The current expansion, which started in mid-2009, has been deemed the weakest in postwar history. In past cycles, strong recessions were followed by strong recoveries. The current rebound has produced economic growth of just 2.4%, compared with a 3.4% postwar average. The economy was the central focus in the presidential election, and the debate raged over fiscal, tax, and regulatory policies. Overall, there was continued weakness in employment, real wages, consumer confidence, and spending.

Positive news also surfaced throughout the year, including healthy corporate earnings and strong balance sheets, continued low inflation, falling oil prices, historically low mortgage rates, a strengthening housing market, and upticks in auto sales and manufacturing activity late in the year.

Continued European Debt Troubles

The euro zone continued its struggle to contain the sovereign debt problems of several member nations, including Spain, Italy, and Greece. The inability of these governments to pay interest on their debt impacted banks in stronger European countries, notably France and Germany, which have large exposure to sovereign

bonds. The European recession prompted banks that are holding the troubled assets to reduce lending, which contributed to lower growth across the region.

During 2012, the euro finance ministers agreed on a second bailout package for Greece, which included a 53% write-down for investors in Greek bonds. In May, concern grew over Spain's fiscal health when a major bank requested a massive bailout and disclosed troubled assets. Following the Greek election in June, the European central bank pledged to provide monetary support to protect the euro, triggering a rally in stocks and bonds.

Rising Global Economic Worries

According to International Monetary Fund estimates, the global economy grew 3.3% in 2012—down from 3.8% in 2011 and 5.1% in 2010. There was concern that the worsening euro debt crisis would spread to other economies and markets. Europe accounts for a large portion of global demand, especially for export-dependent China. Germany's economy is the fourth largest in the world, followed closely by France. Together, the combined economies of all 17 euro-area countries are nearly equal to that of the US, in GDP terms.

During the first half of 2012, China's economy showed signs of weakening, with growth falling to around 8%—a significant drop from its historic rate. The euro debt crisis also threatened to reduce China's exports to

poorer emerging economies in Africa and Latin America, where nations rely heavily on European banks for trade financing. In the latter part of 2012, concerns over slowing growth in emerging markets had begun to ease as economies appeared to bottom out.

Stabilizing Actions by Central Banks

Many investors did not anticipate the degree to which markets would positively respond to central bank actions. Many analysts credit the US and European central banks with boosting investor confidence, and in the case of the European Union, helping avert a euro breakup. The injection of liquidity into the respective economies also helped mute volatility between currencies. In September and October, the Bank of Japan announced measures to provide monetary stimulus through 2013 in response to slowing economic activity.

A Search for Higher Yield

Interest rates dropped to near-record lows during the year. The rate move drove up bond market prices and total returns. But with the Fed and other central banks committed to keeping the financial markets liquid for an indefinite period, some investors found appeal in riskier fixed income securities

Wall Street responded to rising demand with new offerings. Junk bond issuance hit a record \$350 billion in 2012, with many of the issues carrying fewer protections for bondholders. Observers warned that the

low interest rate environment presented added risk to investors pursuing yield by extending maturities or buying lower quality bonds.

2012 – By the Numbers

After a flat 2011, the US stock market posted a strong first quarter as the economy showed signs of improvement and perceptions of the European debt crisis improved. The S&P 500 had its best first-quarter rally in 14 years, closing near a four-year high with a 12.6% total return. When the second quarter began, markets retreated as Europe's debt crisis returned to center stage and signs of slowing global growth emerged—especially in China, where lower world demand had begun to affect exports.

By June, US stocks had surrendered all of the year's gains as markets weighed how credit problems in Spain and the anticipated Greek elections would affect the euro zone's sovereign debt problems. The US economy showed more signs of weakness. Stock markets around the globe stumbled in the second quarter, with non-US stocks suffering the most. During the summer, the markets improved, as European tensions eased on increased European Central Bank loans to Spain and Italy. There was also rising speculation that the Federal Reserve was prepared to deliver additional monetary stimulus to the US economy. Throughout the summer, analysts reduced their estimates of expected corporate earnings growth as an economic slowdown threatened to reduce profits.



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In September, the Fed announced its third round of quantitative easing to push long-term interest rates lower and encourage more borrowing and investment. The Bank of Japan also announced an ambitious plan to stimulate its economy. These central bank actions helped drive the markets higher during the third quarter. The S&P 500 surged 14% from its June 1 low and reached a five-year high on September 14. US economic indicators sent mixed signals, but the economy expanded at a 3.1% rate for the quarter—the fastest pace since late 2011. Mortgage rates reached historical lows, and year-over-year home prices rose for the first time since the 2007 financial crisis. Heightened inflation fears led to a modest decline in Treasury prices, while gold and most other commodities rallied.

In the fourth quarter, investor attention turned to the US election and future government spending, taxes, growth policy, and regulation. Stocks fell in the weeks following the election as investors evaluated continued political gridlock and the economic impact of spending cuts and tax hikes, known as the “fiscal cliff.” The S&P recovered its earlier losses by late December and as the year ended, lawmakers scrambled to reach a compromise.

Major World Indices

US Equity Returns

Index	Return (%)		
	Three Months	One Year	Three Years*
Russell 3000	0.25	16.42	11.20
Russell 2500	3.10	17.88	13.34
Russell 2000	1.85	16.35	12.25
Russell 2000 Value	3.22	18.05	11.57
Russell 2000 Growth	0.45	14.59	12.82
Russell 1000	0.12	16.42	11.12
Russell 1000 Value	1.52	17.51	10.86
Russell 1000 Growth	-1.32	15.26	11.35
S&P 500	-0.38	16.00	10.87

Non-US Equity Returns (net div.)

Index	Return (%)		
	Three Months	One Year	Three Years*
MSCI EAFE Small Cap	6.01	20.00	7.17
MSCI World ex USA Small Cap	4.84	17.48	7.19
MSCI EAFE	6.57	17.32	3.56
MSCI World ex USA	5.93	16.41	3.65
MSCI EAFE Value	7.39	17.69	2.19
MSCI World ex USA Value	6.96	17.29	2.78
MSCI EAFE Growth	5.77	16.86	4.85
MSCI World ex USA Growth	4.90	15.48	4.46
MSCI Emerging Markets	5.58	18.22	4.66
MSCI Emerging Markets Small Cap	5.10	22.22	4.21
MSCI Emerging Markets Value	4.70	15.87	4.06

Fixed Income Returns

Index	Return (%)		
	Three Months	One Year	Three Years*
BofA Merrill Lynch Three-Month US Treasury Bill	0.04	0.11	0.11
BofA Merrill Lynch 1-Year US Treasury Note	0.06	0.24	0.55
Citigroup World Government Bond 1-3 Years (hedged)	0.27	1.36	1.38
Barclays US Government Bond	-0.06	2.02	5.48
BofA Merrill Lynch 1-5 Year US Treasury and Agency	0.06	0.98	2.54
Citigroup World Government Bond 1-5 Years (hedged)	0.40	2.10	2.13
Barclays US TIPS	0.69	6.98	8.90

Other Returns

Index	Return (%)		
	Three Months	One Year	Three Years*
Dow Jones US Select REIT	2.31	17.12	17.94
S&P Global ex US REIT (net div.)	6.19	31.92	12.12
Dow Jones-UBS Commodity Total Return	-6.33	-1.06	0.07

*Annualized
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All major US market indices were up substantially for 2012. The S&P 500 logged a total return of 16%. The Russell 2000, a benchmark for small company US stocks, returned 16.3%. The market's strong performance came with lower volatility, as gauged by the CBOE Volatility Index, which had its largest annual decrease since 2009.

Non-US developed market indices performed even better. The MSCI World ex USA Index, a benchmark for large cap stocks in developed markets outside the US, returned 16.4%. The MSCI Emerging Markets Index returned 18.2%.

The currency markets were relatively stable for the year due to the offsetting effect of US, European, and Japanese central banks. The US dollar lost ground against the euro and many emerging market currencies, which boosted equity returns for US investors in those markets. The dollar gained against the yen as a result of Bank of Japan's monetary easing.

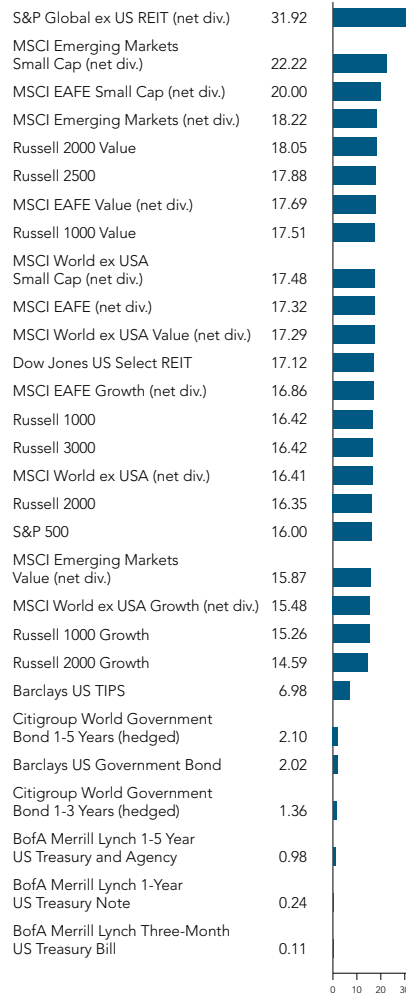
Small cap and large cap stocks had similar performance in the US, but small cap substantially outperformed large cap in both the non-US developed and emerging markets. Along the price dimension, value stocks outperformed growth stocks in the US and non-US developed markets, while slightly underperforming growth in emerging markets.

In the fixed income arena, US TIPS performed exceptionally well, returning 6.9%, and short-term

Major World Ranked

By One-Year Performance (%)

As of December 31, 2012



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government bonds returned 2.1%. Investors seeking a safe haven from global market uncertainty poured money into US Treasury securities, which pushed down yields.

Real estate securities in the US also had a strong year, returning 17.1%. Global real estate had a banner year, with a total return of 31.9%, which was the highest-ranked return of major world asset classes. Commodities were the only group to show negative returns for the year, at -1.06%. The decline was their second annual drop, which had not occurred since the late 1990s.

In summary, the time tested investing principles of global diversification and long-term discipline proved their worth in a year that investment returns offered good news, while the headlines often did not.

Sources & Disclosures

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