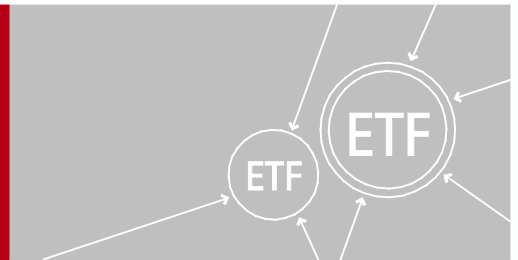


US SEC Filing Announcement for the Vanguard® Exchange Traded Funds

28 August 2017



Vanguard Investments Australia Ltd announces the following:

ETF	ASX CODE	ANNOUNCEMENT
Vanguard® US Total Market Shares Index ETF	VTS	US SEC Filing of Form N-CSR

The Vanguard Group, Inc. in the US has completed and filed Form N-CSR (certified annual shareholder report filed on Form N-CSR) for Registered Investment Companies with the Securities and Exchange Commission (SEC) in the US as part of the regulatory requirements of the SEC.

Further details of the SEC requirements for this filing are available at:

- www.sec.gov/about/forms/formn-csr.pdf

Further Information

If you have any queries on Vanguard ETFs, please visit vanguard.com.au/etf

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Vanguard Investments Australia Ltd, Level 34, Freshwater Place, 2 Southbank Boulevard, Southbank VIC 3006 vanguard.com.au 1300 655 888

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM N-CSR

**CERTIFIED SHAREHOLDER REPORT
OF
REGISTERED MANAGEMENT INVESTMENT COMPANIES**

Investment Company Act file number: **811-02652**

Name of Registrant: **Vanguard Index Funds**

Address of Registrant: **P.O. Box 2600
Valley Forge, PA 19482**

Name and address of agent for service: **Anne E. Robinson, Esquire
P.O. Box 876
Valley Forge, PA 19482**

Registrant's telephone number, including area code: **(610) 669-1000**

Date of fiscal year end: December 31

Date of reporting period: January 1, 2017 – June 30, 2017

Item 1: Reports to Shareholders



Vanguard®



Semiannual Report | June 30, 2017

Vanguard Total Stock Market Index Fund

A new format, unwavering commitment

As you begin reading this report, you'll notice that we've made some improvements to the opening sections—based on feedback from you, our clients.

Page 1 starts with a new "Your Fund's Performance at a Glance," a concise, handy summary of how your fund performed during the period.

In the renamed "Chairman's Perspective," Bill McNabb will focus on enduring principles and investment insights.

We've modified some tables, and eliminated some redundancy, but we haven't removed any information.

At Vanguard, we're always looking for better ways to communicate and to help you make sound investment decisions. Thank you for entrusting your assets to us.

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Please note: The opinions expressed in this report are just that—informed opinions. They should not be considered promises or advice. Also, please keep in mind that the information and opinions cover the period through the date on the front of this report. Of course, the risks of investing in your fund are spelled out in the prospectus.

See the Glossary for definitions of investment terms used in this report.

About the cover: No matter what language you speak, Vanguard has one consistent message and set of principles. Our primary *focus* is on you, our clients. We conduct our business with *integrity* as a faithful *steward* of your assets. This message is shown translated into seven languages, reflecting our expanding global presence.

Your Fund’s Performance at a Glance

- Vanguard Total Stock Market Index Fund returned almost 9% for the six months ended June 30, 2017. The fund closely tracked its target index, the CRSP US Total Market Index, and exceeded the average return of its multicapitalization core fund peers.
- The fund offers investors exposure to every segment, size, and style of the U.S. equity market.
- Large-cap stocks outperformed their small- and mid-cap counterparts. Growth stocks outpaced value, reversing a trend from 2016.
- Eight of the fund’s ten market sectors recorded positive returns, with technology, health care, and financials contributing most to the overall return.
- The two sectors posting negative returns were oil and gas and telecommunications.

Total Returns: Six Months Ended June 30, 2017

	Total Returns
Vanguard Total Stock Market Index Fund	
Investor Shares	8.94%
ETF Shares	
Market Price	8.96
Net Asset Value	8.99
Admiral™ Shares	8.99
Institutional Shares	9.00
Institutional Plus Shares	9.01
Institutional Select Shares	9.01
CRSP US Total Market Index	9.00
Multi-Cap Core Funds Average	8.35

Multi-Cap Core Funds Average: Derived from data provided by Lipper, a Thomson Reuters Company.

Admiral Shares carry lower expenses and are available to investors who meet certain account-balance requirements. Institutional Shares, Institutional Plus Shares, and Institutional Select Shares are available to certain institutional investors who meet specific administrative, service, and account-size criteria. The Vanguard ETF® Shares shown are traded on the NYSE Arca exchange and are available only through brokers. The table provides ETF returns based on both the NYSE Arca market price and the net asset value for a share. U.S. Pat. Nos. 6,879,964; 7,337,138; 7,720,749; 7,925,573; 8,090,646; and 8,417,623.

For the ETF Shares, the market price is determined by the midpoint of the bid-offer spread as of the closing time of the New York Stock Exchange (generally 4 p.m., Eastern time). The net asset value is also determined as of the NYSE closing time. For more information about how the ETF Shares’ market prices have compared with their net asset value, visit vanguard.com, select your ETF, and then select the Price and Performance tab. The ETF premium/discount analysis there shows the percentages of days on which the ETF Shares’ market price was above or below the NAV.

Expense Ratios

Your Fund Compared With Its Peer Group

	Investor Shares	ETF Shares	Admiral Shares	Institutional Shares	Institutional Plus Shares	Institutional Select Shares	Peer Group Average
Total Stock Market Index Fund	0.15%	0.04%	0.04%	0.035%	0.02%	0.01%	1.12%

The fund expense ratios shown are from the prospectus dated April 27, 2017, and represent estimated costs for the current fiscal year. For the six months ended June 30, 2017, the fund's annualized expense ratios were 0.14% for Investor Shares, 0.04% for ETF Shares, 0.04% for Admiral Shares, 0.035% for Institutional Shares, 0.02% for Institutional Plus Shares, and 0.01% for Institutional Select Shares. The peer-group expense ratio is derived from data provided by Lipper, a Thomson Reuters Company, and captures information through year-end 2016.

Peer group: Multi-Cap Core Funds.

Chairman's Perspective



Bill McNabb
Chairman and Chief Executive Officer

Dear Shareholder,

More than a decade ago, the eminent investor and commentator Howard Marks published a memo to his clients titled simply "Risk." In it, Howard distilled the relationship between investors and risk. "When you boil it all down, it's the investor's job to intelligently bear risk for profit," he wrote.

It's not surprising, then, that everyone from portfolio managers to behavioral economists avidly studies how investors' reactions to risk influence not only individual investment decisions but also the broader financial markets. I'm a big fan of some of the behavioral finance work being done, which includes studies by our own investment strategists and analysts.

A lens on investor behavior

For example, Vanguard's Investment Strategy Group introduced a "risk speedometers" report in January to look at how investors are reacting to market developments. This lens on real-world behavior measures the risk investors are taking in a given period by calculating the difference between net cash flows into higher-risk assets, such as stocks, and net cash flows into lower-risk assets, such as Treasuries. The measures are then compared with long-term averages.

In the spring, the risk speedometer spiked. The spike was fueled by investors' decisions to direct more of their equity

dollars to international investments in developed and emerging markets, and their bond dollars to riskier credit categories.

A spiking speedometer seems a fitting analogy for what can happen. I consider myself a responsible driver. Still, when the highway is clear and the weather is nice, I might glance down at the speedometer and find that my right foot has gotten a little heavy.

The same phenomenon is possible with our investment portfolios. Just as our attention can drift from our speed—and the risk level on the road—we can neglect the risk level of our portfolio’s asset allocation. Experience teaches

that investors are especially prone to lose sight of risk when markets have been buoyant.

How I manage risk in my own portfolio

Rebalancing—periodically adjusting your asset allocation so it stays in line with your goals and risk tolerance—is one of the best ways I know of to help manage risk. Without rebalancing, your portfolio may end up potentially riskier than you intended and no longer aligned with your goals.

I have a ritual I perform every June and again each December, between Christmas and New Year’s, as I prepare for a series of annual meetings with the Vanguard crew. I’ll set aside some time, review my

Market Barometer

	Total Returns Periods Ended June 30, 2017		
	Six Months	One Year	Five Years (Annualized)
Stocks			
Russell 1000 Index (Large-caps)	9.27%	18.03%	14.67%
Russell 2000 Index (Small-caps)	4.99	24.60	13.70
Russell 3000 Index (Broad U.S. market)	8.93	18.51	14.58
FTSE All-World ex US Index (International)	13.95	20.53	7.68
Bonds			
Bloomberg Barclays U.S. Aggregate Bond Index (Broad taxable market)	2.27%	-0.31%	2.21%
Bloomberg Barclays Municipal Bond Index (Broad tax-exempt market)	3.57	-0.49	3.26
Citigroup Three-Month U.S. Treasury Bill Index	0.30	0.46	0.13
CPI			
Consumer Price Index	1.46%	1.63%	1.31%

investment portfolio, and, if necessary, rebalance back to my target asset allocation.

My own portfolio is a mix of equity and fixed income funds, and I invest in both actively managed funds and index funds. Most years, I'll make a minor adjustment to get back to the appropriate asset allocation for my own longer-term goals and risk tolerance. It's not all that complicated, although my portfolio is a little more complex than some because I own more funds than we'd typically suggest. As chairman of Vanguard's funds, I feel I should own a significant number of them.

Consider your options

You should consider rebalancing if your target allocation is off by 5 percentage points or more. Admittedly, this is often easier said than done. When an investment has performed exceptionally well, people have a hard time trimming it. They can be led astray by that old (and none-too-helpful) investing saw: Let your winners run.

Fortunately, in recent years we've seen all sorts of investors take steps to rebalance. Many of the endowments, foundations, and traditional pension plans that Vanguard serves have good processes built into their investment guidelines to make sure rebalancing takes place on a regular basis. And among investors in defined contribution retirement plans, more and more are using target-date funds, where rebalancing happens automatically.

If you choose to rebalance on your own, use your target asset allocation as your guidepost. Don't be afraid to buy into bad news. In a sense, don't worry about the noise of the marketplace. If you work with an advisor, make sure he or she understands the importance you place on your rebalancing ritual.

And remember, the goal of rebalancing is to manage risk, not to avoid it altogether. Risk is inherent in investing—we just want to bear that risk intelligently.

In that insightful memo on risk, Howard Marks included a saying often attributed to Will Rogers: "You've got to go out on a limb sometimes because that's where the fruit is."

Tim Buckley chosen as Vanguard's next CEO

In closing, I'll note senior leadership changes that we announced in July. Our board of directors has elected Vanguard Chief Investment Officer Tim Buckley as president and director of Vanguard. Under the planned transition, Tim will succeed me as Vanguard's chief executive officer on January 1, 2018.

I'm delighted with our board's selection of Tim. We first met in 1991 when Tim was interviewing for a job at Vanguard. In the decades since, we've worked closely together, and he's always impressed me as a man of tremendous character and an outstanding leader with a passion for serving our clients. During the transition

period, I will work closely with Tim in managing the firm and overseeing its operations.

Replacing Tim as chief investment officer is Greg Davis, who had been global head of Vanguard Fixed Income Group. And succeeding Greg as our fixed income leader is John Hollyer, who most recently served as our global head of investment risk management. I know Greg and John will both do a superb job in their new roles.

As with past successions, I will remain as chairman for a period of time determined by the board. On a personal note, it has been an honor and a privilege to lead Vanguard. Having spent more than half

my life at Vanguard, I have come to know many fabulous crew members who are incredibly dedicated to Vanguard's mission. Please be assured that Tim and the rest of the team will serve you and our other clients extremely well as Vanguard prepares for its next chapter.

As always, thank you for investing with Vanguard.

Sincerely,

A handwritten signature in black ink, reading "F. William McNabb III". The signature is fluid and cursive, with a large initial "F" and a stylized "M".

F. William McNabb III
Chairman and Chief Executive Officer
July 14, 2017

Vanguard fund shareholders encouraged to vote in proxy campaign

This summer you will be asked to vote on the election of trustees for all U.S.-domiciled Vanguard funds. Shareholders will also be asked to vote on several fund policy proposals that we believe are in the best interests of all shareholders.

Vanguard filed a preliminary proxy statement on July 13, 2017, with the U.S. Securities and Exchange Commission (SEC). Following the SEC's review, we expect to provide the proxy materials to Vanguard fund shareholders beginning in late August 2017. That's when you can begin to vote online, by phone, or by mail.

A shareholder meeting is scheduled to be held in Scottsdale, Arizona, on November 15, 2017, when voting will conclude. We encourage you to vote promptly. Please visit vanguard.com for updates.

Total Stock Market Index Fund

Fund Profile

As of June 30, 2017

Share-Class Characteristics

	Investor Shares	ETF Shares	Admiral Shares	Institutional Shares	Institutional Plus Shares	Institutional Select Shares
Ticker Symbol	VTSMX	VTI	VTSAX	VITSX	VSMPX	VTSX
Expense Ratio ¹	0.15%	0.04%	0.04%	0.035%	0.02%	0.01%
30-Day SEC Yield	1.78%	1.86%	1.86%	1.88%	1.88%	1.89%

Portfolio Characteristics

	Fund	CRSP US Total Market Index
Number of Stocks	3,606	3,598
Median Market Cap	\$59.8B	\$59.8B
Price/Earnings Ratio	21.2x	21.2x
Price/Book Ratio	2.9x	2.9x
Return on Equity	16.1%	16.0%
Earnings Growth Rate	10.0%	10.0%
Dividend Yield	1.9%	1.9%
Foreign Holdings	0.0%	0.0%
Turnover Rate (Annualized)	4%	—
Short-Term Reserves	0.1%	—

Sector Diversification (% of equity exposure)

	Fund	CRSP US Total Market Index
Basic Materials	2.5%	2.6%
Consumer Goods	9.7	9.7
Consumer Services	13.0	13.0
Financials	20.5	20.5
Health Care	13.1	13.1
Industrials	13.0	13.0
Oil & Gas	5.6	5.6
Technology	17.4	17.4
Telecommunications	2.0	1.9
Utilities	3.2	3.2

Volatility Measures

	CRSP US Total Market Index
R-Squared	1.00
Beta	1.00

These measures show the degree and timing of the fund's fluctuations compared with the index over 36 months.

Ten Largest Holdings (% of total net assets)

Apple Inc.	Computer Hardware	2.7%
Alphabet Inc.	Internet	2.2
Microsoft Corp.	Software	2.1
Amazon.com Inc.	Broadline Retailers	1.6
Facebook Inc.	Internet	1.4
Johnson & Johnson	Pharmaceuticals	1.4
Exxon Mobil Corp.	Integrated Oil & Gas	1.4
Berkshire Hathaway Inc.	Reinsurance	1.3
JPMorgan Chase & Co.	Banks	1.3
Wells Fargo & Co.	Banks	1.0
Top Ten		16.4%

The holdings listed exclude any temporary cash investments and equity index products.

Investment Focus

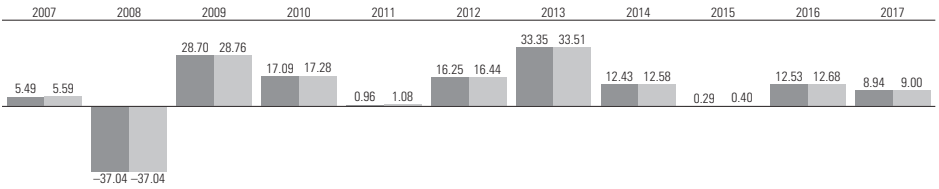
Style	Value	Blend	Growth
Market Cap	Large		
	Medium		
	Small		

¹ The expense ratios shown are from the prospectus dated April 27, 2017, and represent estimated costs for the current fiscal year. For the six months ended June 30, 2017, the annualized expense ratios were 0.14% for Investor Shares, 0.04% for ETF Shares, 0.04% for Admiral Shares, 0.035% for Institutional Shares, 0.02% for Institutional Plus Shares, and 0.01% for Institutional Select Shares.

Performance Summary

All of the returns in this report represent past performance, which is not a guarantee of future results that may be achieved by the fund. (Current performance may be lower or higher than the performance data cited. For performance data current to the most recent month-end, visit our website at vanguard.com/performance.) Note, too, that both investment returns and principal value can fluctuate widely, so an investor's shares, when sold, could be worth more or less than their original cost. The returns shown do not reflect taxes that a shareholder would pay on fund distributions or on the sale of fund shares.

Fiscal-Year Total Returns (%): December 31, 2006, Through June 30, 2017



■ Total Stock Market Index Fund Investor Shares

■ Spliced Total Stock Market Index

For a benchmark description, see the Glossary.

Note: For 2017, performance data reflect the six months ended June 30, 2017.

Average Annual Total Returns: Periods Ended June 30, 2017

	Inception Date	One Year	Five Years	Ten Years
Investor Shares	4/27/1992	18.35%	14.42%	7.26%
ETF Shares	5/24/2001			
Market Price		18.49	14.55	7.39
Net Asset Value		18.49	14.55	7.38
Admiral Shares	11/13/2000	18.47	14.54	7.37
Institutional Shares	7/7/1997	18.50	14.55	7.38
Institutional Plus Shares	4/28/2015	18.51	—	8.26 ¹
Institutional Select Shares	6/27/2016	18.51	—	24.36 ¹

¹ Return since inception.

Financial Statements (unaudited)

Statement of Net Assets—Investments Summary

As of June 30, 2017

This Statement summarizes the fund's holdings by asset type. Details are reported for each of the fund's 50 largest individual holdings and for investments that, in total for any issuer, represent more than 1% of the fund's net assets. The total value of smaller holdings is reported as a single amount within each category.

The fund reports a complete list of its holdings in regulatory filings four times in each fiscal year, at the quarter-ends. For the second and fourth fiscal quarters, the complete listing of the fund's holdings is available electronically on vanguard.com and on the Securities and Exchange Commission's website (sec.gov), or you can have it mailed to you without charge by calling 800-662-7447. For the first and third fiscal quarters, the fund files the lists with the SEC on Form N-Q. Shareholders can look up the fund's Forms N-Q on the SEC's website. Forms N-Q may also be reviewed and copied at the SEC's Public Reference Room (see the back cover of this report for further information).

	Shares	Market Value* (\$000)	Percentage of Net Assets
Common Stocks			
Basic Materials †		14,799,532	2.5%
Consumer Goods			
Procter & Gamble Co.	58,939,340	5,136,563	0.9%
Philip Morris International Inc.	35,780,975	4,202,475	0.7%
Coca-Cola Co.	88,612,244	3,974,259	0.7%
PepsiCo Inc.	32,956,942	3,806,197	0.6%
Altria Group Inc.	44,516,118	3,315,115	0.6%
Consumer Goods—Other †		35,398,244	6.1%
		55,832,853	9.6%
Consumer Services			
* Amazon.com Inc.	9,355,374	9,056,002	1.6%
Comcast Corp. Class A	108,903,675	4,238,531	0.7%
Home Depot Inc.	27,528,391	4,222,855	0.7%
Walt Disney Co.	34,173,760	3,630,962	0.6%
McDonald's Corp.	18,761,824	2,873,561	0.5%
Wal-Mart Stores Inc.	34,917,465	2,642,554	0.5%
* Priceline Group Inc.	1,129,489	2,112,732	0.4%
Consumer Services—Other †		46,557,697	8.0%
		75,334,894	13.0%
Financials			
JPMorgan Chase & Co.	81,849,498	7,481,044	1.3%
* Berkshire Hathaway Inc. Class B	43,189,943	7,315,081	1.3%
Wells Fargo & Co.	103,615,142	5,741,315	1.0%
Bank of America Corp.	229,168,479	5,559,627	1.0%
Citigroup Inc.	63,394,487	4,239,823	0.7%

Total Stock Market Index Fund

	Shares	Market Value* (\$000)	Percentage of Net Assets
Visa Inc. Class A	42,493,554	3,985,045	0.7%
Mastercard Inc. Class A	21,900,088	2,659,766	0.5%
* Berkshire Hathaway Inc. Class A	981	249,861	0.0%
Financials—Other †		81,061,399	13.9%
		118,292,961	20.4%
Health Care			
Johnson & Johnson	62,059,387	8,209,836	1.4%
Pfizer Inc.	137,428,989	4,616,240	0.8%
UnitedHealth Group Inc.	22,193,256	4,115,074	0.7%
Merck & Co. Inc.	62,996,595	4,037,452	0.7%
Amgen Inc.	16,927,358	2,915,399	0.5%
Medtronic plc	31,568,346	2,801,691	0.5%
AbbVie Inc.	36,634,667	2,656,380	0.4%
* Celgene Corp.	17,968,099	2,333,517	0.4%
Gilead Sciences Inc.	30,072,798	2,128,553	0.4%
Bristol-Myers Squibb Co.	37,936,672	2,113,831	0.4%
Health Care—Other †		40,074,832	6.9%
		76,002,805	13.1%
Industrials			
General Electric Co.	200,001,087	5,402,029	0.9%
3M Co.	13,773,479	2,867,501	0.5%
Boeing Co.	13,214,972	2,613,261	0.5%
Honeywell International Inc.	17,574,727	2,342,535	0.4%
United Technologies Corp.	16,623,150	2,029,853	0.4%
Union Pacific Corp.	18,602,489	2,025,997	0.3%
Industrials—Other †		58,027,686	10.0%
		75,308,862	13.0%
Oil & Gas			
Exxon Mobil Corp.	97,608,070	7,879,900	1.3%
Chevron Corp.	43,636,886	4,552,636	0.8%
Schlumberger Ltd.	32,006,897	2,107,334	0.4%
Oil & Gas—Other †		17,680,978	3.0%
		32,220,848	5.5%
†Other †			
		14,855	0.0%
Technology			
Apple Inc.	108,093,912	15,567,685	2.7%
Microsoft Corp.	177,774,267	12,253,980	2.1%
* Facebook Inc. Class A	54,439,512	8,219,278	1.4%
* Alphabet Inc. Class A	6,900,772	6,415,510	1.1%
* Alphabet Inc. Class C	6,740,405	6,125,208	1.1%
Intel Corp.	108,442,405	3,658,847	0.6%
Cisco Systems Inc.	115,073,238	3,601,792	0.6%
Oracle Corp.	70,998,449	3,559,862	0.6%
International Business Machines Corp.	20,536,688	3,159,159	0.6%
Broadcom Ltd.	9,246,345	2,154,861	0.4%
Technology—Other †		35,658,805	6.1%
		100,374,987	17.3%

Total Stock Market Index Fund

	Shares	Market Value* (\$000)	Percentage of Net Assets
Telecommunications			
AT&T Inc.	141,546,385	5,340,545	0.9%
Verizon Communications Inc.	93,920,728	4,194,500	0.8%
Telecommunications—Other †		1,789,383	0.3%
		11,324,428	2.0%
Utilities †		18,285,866	3.1%
Total Common Stocks (Cost \$383,575,329)		577,792,891	99.5%²

	Coupon			
Temporary Cash Investments				
Money Market Fund				
^{3,4} Vanguard Market Liquidity Fund	1.181%	63,822,793	6,383,556	1.1%
⁵ U.S. Government and Agency Obligations †			165,198	0.0%
Total Temporary Cash Investments (Cost \$6,548,067)			6,548,754	1.1%²
⁶Total Investments (Cost \$390,123,396)			584,341,645	100.6%

	Amount (\$000)	
Other Assets and Liabilities		
Other Assets		
Investment in Vanguard	37,853	
Receivables for Investment Securities Sold	11,393	
Receivables for Accrued Income	612,538	
Receivables for Capital Shares Issued	334,618	
Other Assets ^{4,7}	19,588	
Total Other Assets	1,015,990	0.2%
Liabilities		
Payables for Investment Securities Purchased	(1,059,171)	
Collateral for Securities on Loan	(2,869,824)	
Payables for Capital Shares Redeemed	(192,293)	
Payables to Vanguard	(207,863)	
Other Liabilities	(354)	
Total Liabilities	(4,329,505)	(0.8%)
Net Assets	581,028,130	100.0%

At June 30, 2017, net assets consisted of:

	Amount (\$000)
Paid-in Capital	388,361,506
Overdistributed Net Investment Income	(278,292)
Accumulated Net Realized Losses	(1,264,998)
Unrealized Appreciation (Depreciation)	
Investment Securities	194,218,249
Futures Contracts	(11,537)
Swap Contracts	3,202
Net Assets	581,028,130

Total Stock Market Index Fund

	Amount (\$000)
Investor Shares—Net Assets	
Applicable to 1,917,637,051 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	116,116,153
Net Asset Value Per Share—Investor Shares	\$60.55
ETF Shares—Net Assets	
Applicable to 641,883,319 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	79,868,757
Net Asset Value Per Share—ETF Shares	\$124.43
Admiral Shares—Net Assets	
Applicable to 2,807,842,015 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	170,071,182
Net Asset Value Per Share—Admiral Shares	\$60.57
Institutional Shares—Net Assets	
Applicable to 1,575,739,893 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	95,459,460
Net Asset Value Per Share—Institutional Shares	\$60.58
Institutional Plus Shares—Net Assets	
Applicable to 950,011,818 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	107,928,320
Net Asset Value Per Share—Institutional Plus Shares	\$113.61
Institutional Select Shares—Net Assets	
Applicable to 97,178,300 outstanding \$.001 par value shares of beneficial interest (unlimited authorization)	11,584,258
Net Asset Value Per Share—Institutional Select Shares	\$119.21

• See Note A in Notes to Financial Statements.

* Non-income-producing security.

† Represents the aggregate value, by category, of securities that are not among the 50 largest holdings and, in total for any issuer, represent 1% or less of net assets.

1 "Other" represents securities that are not classified by the fund's benchmark index.

2 The fund invests a portion of its cash reserves in equity markets through the use of index futures contracts and swap contracts. After giving effect to futures and swap investments, the fund's effective common stock and temporary cash investment positions represent 100.0% and 0.6%, respectively, of net assets.

3 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

4 Includes \$2,869,824,000 of collateral received for securities on loan, of which \$4,245,000 is held in cash.

5 Securities with a value of \$115,846,000 have been segregated as initial margin for open futures contracts.

6 The total value of securities on loan is \$2,692,354,000.

7 Cash with a value of \$520,000 has been segregated as collateral for open over-the-counter swap contracts.

See accompanying Notes, which are an integral part of the Financial Statements.

Statement of Operations

Six Months Ended
June 30, 2017
(\$000)

Investment Income	
Income	
Dividends	4,966,938
Interest ¹	14,430
Securities Lending—Net	43,639
Total Income	5,025,007
Expenses	
The Vanguard Group—Note B	
Investment Advisory Services	9,531
Management and Administrative—Investor Shares	65,930
Management and Administrative—ETF Shares	12,341
Management and Administrative—Admiral Shares	26,433
Management and Administrative—Institutional Shares	11,581
Management and Administrative—Institutional Plus Shares	6,919
Management and Administrative—Institutional Select Shares	256
Marketing and Distribution—Investor Shares	7,988
Marketing and Distribution—ETF Shares	1,735
Marketing and Distribution—Admiral Shares	4,965
Marketing and Distribution—Institutional Shares	1,229
Marketing and Distribution—Institutional Plus Shares	671
Marketing and Distribution—Institutional Select Shares	1
Custodian Fees	2,476
Shareholders' Reports—Investor Shares	1,671
Shareholders' Reports—ETF Shares	1,157
Shareholders' Reports—Admiral Shares	1,229
Shareholders' Reports—Institutional Shares	542
Shareholders' Reports—Institutional Plus Shares	6
Shareholders' Reports—Institutional Select Shares	—
Trustees' Fees and Expenses	170
Total Expenses	156,831
Net Investment Income	4,868,176
Realized Net Gain (Loss)	
Investment Securities Sold ¹	1,810,294
Futures Contracts	206,831
Swap Contracts	(5,636)
Realized Net Gain (Loss)	2,011,489
Change in Unrealized Appreciation (Depreciation)	
Investment Securities	39,398,734
Futures Contracts	8,621
Swap Contracts	3,701
Change in Unrealized Appreciation (Depreciation)	39,411,056
Net Increase (Decrease) in Net Assets Resulting from Operations	46,290,721

¹ Interest income and realized net gain (loss) from an affiliated company of the fund were \$13,831,000 and \$166,000, respectively.
See accompanying Notes, which are an integral part of the Financial Statements.

Statement of Changes in Net Assets

	Six Months Ended June 30, 2017	Year Ended December 31, 2016
	(\$000)	(\$000)
Increase (Decrease) in Net Assets		
Operations		
Net Investment Income	4,868,176	9,073,422
Realized Net Gain (Loss)	2,011,489	4,014,156
Change in Unrealized Appreciation (Depreciation)	39,411,056	42,114,142
Net Increase (Decrease) in Net Assets Resulting from Operations	46,290,721	55,201,720
Distributions		
Net Investment Income		
Investor Shares	(970,338)	(1,930,782)
ETF Shares	(708,189)	(1,282,510)
Admiral Shares	(1,506,839)	(2,820,690)
Institutional Shares	(837,294)	(1,428,815)
Institutional Plus Shares	(937,389)	(1,567,690)
Institutional Select Shares	(94,894)	(66,263)
Realized Capital Gain		
Investor Shares	—	—
ETF Shares	—	—
Admiral Shares	—	—
Institutional Shares	—	—
Institutional Plus Shares	—	—
Institutional Select Shares	—	—
Total Distributions	(5,054,943)	(9,096,750)
Capital Share Transactions		
Investor Shares	3,697,436	(2,633,123)
ETF Shares	4,255,317	6,156,065
Admiral Shares	6,156,713	11,172,716
Institutional Shares	9,334,807	14,683,001
Institutional Plus Shares	15,567,800	13,965,811
Institutional Select Shares	2,328,347	8,351,435
Net Increase (Decrease) from Capital Share Transactions	41,340,420	51,695,905
Total Increase (Decrease)	82,576,198	97,800,875
Net Assets		
Beginning of Period	498,451,932	400,651,057
End of Period ¹	581,028,130	498,451,932

¹ Net Assets—End of Period includes undistributed (overdistributed) net investment income of (\$278,292,000) and (\$85,889,000).

Financial Highlights

Investor Shares

For a Share Outstanding Throughout Each Period	Six Months Ended June 30, 2017	Year Ended December 31,				
	2017	2016	2015	2014	2013	2012
Net Asset Value, Beginning of Period	\$56.06	\$50.78	\$51.58	\$46.67	\$35.64	\$31.29
Investment Operations						
Net Investment Income	.497	1.022	.954	.854	.757	.720
Net Realized and Unrealized Gain (Loss) on Investments	4.506	5.282	(.807)	4.907	11.038	4.350
Total from Investment Operations	5.003	6.304	.147	5.761	11.795	5.070
Distributions						
Dividends from Net Investment Income	(.513)	(1.024)	(.947)	(.851)	(.765)	(.720)
Distributions from Realized Capital Gains	—	—	—	—	—	—
Total Distributions	(.513)	(1.024)	(.947)	(.851)	(.765)	(.720)
Net Asset Value, End of Period	\$60.55	\$56.06	\$50.78	\$51.58	\$46.67	\$35.64
Total Return¹	8.94%	12.53%	0.29%	12.43%	33.35%	16.25%

Ratios/Supplemental Data

Net Assets, End of Period (Millions)	\$116,116	\$103,932	\$96,323	\$117,966	\$105,008	\$78,936
Ratio of Total Expenses to Average Net Assets	0.14%	0.15%	0.16%	0.17%	0.17%	0.17%
Ratio of Net Investment Income to Average Net Assets	1.75%	1.98%	1.85%	1.77%	1.84%	2.11%
Portfolio Turnover Rate ²	4%	4%	3%	3%	4%	3%

The expense ratio, net investment income ratio, and turnover rate for the current period have been annualized.

¹ Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

² Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

Financial Highlights

ETF Shares

For a Share Outstanding Throughout Each Period	Six Months Ended June 30, 2017	Year Ended December 31,				
	2017	2016	2015	2014	2013	2012
Net Asset Value, Beginning of Period	\$115.21	\$104.34	\$106.00	\$95.91	\$73.24	\$64.29
Investment Operations						
Net Investment Income	1.077	2.214	2.082	1.874	1.657	1.564
Net Realized and Unrealized Gain (Loss) on Investments	9.260	10.871	(1.675)	10.085	22.686	8.949
Total from Investment Operations	10.337	13.085	.407	11.959	24.343	10.513
Distributions						
Dividends from Net Investment Income	(1.117)	(2.215)	(2.067)	(1.869)	(1.673)	(1.563)
Distributions from Realized Capital Gains	—	—	—	—	—	—
Total Distributions	(1.117)	(2.215)	(2.067)	(1.869)	(1.673)	(1.563)
Net Asset Value, End of Period	\$124.43	\$115.21	\$104.34	\$106.00	\$95.91	\$73.24
Total Return	8.99%	12.68%	0.40%	12.56%	33.51%	16.41%

Ratios/Supplemental Data

Net Assets, End of Period (Millions)	\$79,869	\$69,889	\$57,434	\$50,886	\$39,165	\$24,270
Ratio of Total Expenses to Average Net Assets	0.04%	0.04%	0.05%	0.05%	0.05%	0.05%
Ratio of Net Investment Income to Average Net Assets	1.85%	2.09%	1.96%	1.89%	1.96%	2.23%
Portfolio Turnover Rate ¹	4%	4%	3%	3%	4%	3%

The expense ratio, net investment income ratio, and turnover rate for the current period have been annualized.

¹ Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

Financial Highlights

Admiral Shares

For a Share Outstanding Throughout Each Period	Six Months Ended June 30, 2017	Year Ended December 31,				
	2017	2016	2015	2014	2013	2012
Net Asset Value, Beginning of Period	\$56.08	\$50.79	\$51.60	\$46.69	\$35.65	\$31.30
Investment Operations						
Net Investment Income	.524	1.077	1.013	.912	.807	.761
Net Realized and Unrealized Gain (Loss) on Investments	4.510	5.291	(.818)	4.908	11.047	4.350
Total from Investment Operations	5.034	6.368	.195	5.820	11.854	5.111
Distributions						
Dividends from Net Investment Income	(.544)	(1.078)	(1.005)	(.910)	(.814)	(.761)
Distributions from Realized Capital Gains	—	—	—	—	—	—
Total Distributions	(.544)	(1.078)	(1.005)	(.910)	(.814)	(.761)
Net Asset Value, End of Period	\$60.57	\$56.08	\$50.79	\$51.60	\$46.69	\$35.65
Total Return¹	8.99%	12.66%	0.39%	12.56%	33.52%	16.38%

Ratios/Supplemental Data

Net Assets, End of Period (Millions)	\$170,071	\$151,612	\$126,363	\$117,476	\$86,541	\$59,771
Ratio of Total Expenses to Average Net Assets	0.04%	0.04%	0.05%	0.05%	0.05%	0.05%
Ratio of Net Investment Income to Average Net Assets	1.85%	2.09%	1.96%	1.89%	1.96%	2.23%
Portfolio Turnover Rate ²	4%	4%	3%	3%	4%	3%

The expense ratio, net investment income ratio, and turnover rate for the current period have been annualized.

¹ Total returns do not include account service fees that may have applied in the periods shown. Fund prospectuses provide information about any applicable account service fees.

² Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

Financial Highlights

Institutional Shares

For a Share Outstanding Throughout Each Period	Six Months Ended June 30, 2017	Year Ended December 31,				
	2017	2016	2015	2014	2013	2012
Net Asset Value, Beginning of Period	\$56.09	\$50.80	\$51.60	\$46.69	\$35.66	\$31.30
Investment Operations						
Net Investment Income	.527	1.082	1.017	.915	.808	.763
Net Realized and Unrealized Gain (Loss) on Investments	4.509	5.291	(.808)	4.908	11.038	4.359
Total from Investment Operations	5.036	6.373	.209	5.823	11.846	5.122
Distributions						
Dividends from Net Investment Income	(.546)	(1.083)	(1.009)	(.913)	(.816)	(.762)
Distributions from Realized Capital Gains	—	—	—	—	—	—
Total Distributions	(.546)	(1.083)	(1.009)	(.913)	(.816)	(.762)
Net Asset Value, End of Period	\$60.58	\$56.09	\$50.80	\$51.60	\$46.69	\$35.66
Total Return	9.00%	12.67%	0.42%	12.56%	33.49%	16.42%

Ratios/Supplemental Data

Net Assets, End of Period (Millions)	\$95,459	\$79,443	\$57,438	\$96,674	\$65,738	\$39,367
Ratio of Total Expenses to Average Net Assets	0.035%	0.03%	0.04%	0.04%	0.04%	0.04%
Ratio of Net Investment Income to Average Net Assets	1.86%	2.10%	1.97%	1.90%	1.97%	2.24%
Portfolio Turnover Rate ¹	4%	4%	3%	3%	4%	3%

The expense ratio, net investment income ratio, and turnover rate for the current period have been annualized.

¹ Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

Financial Highlights

Institutional Plus Shares

For a Share Outstanding Throughout Each Period	Six Months Ended June 30, 2017	Year Ended Dec. 31, 2016	April 28, 2015 ¹ to Dec. 31, 2015
Net Asset Value, Beginning of Period	\$105.18	\$95.26	\$100.00
Investment Operations			
Net Investment Income	.996	2.042	1.335
Net Realized and Unrealized Gain (Loss) on Investments	8.466	9.924	(4.631)
Total from Investment Operations	9.462	11.966	(3.296)
Distributions			
Dividends from Net Investment Income	(1.032)	(2.046)	(1.444)
Distributions from Realized Capital Gains	—	—	—
Total Distributions	(1.032)	(2.046)	(1.444)
Net Asset Value, End of Period	\$113.61	\$105.18	\$95.26
Total Return	9.01%	12.69%	-3.28%

Ratios/Supplemental Data

Net Assets, End of Period (Millions)	\$107,928	\$85,031	\$63,093
Ratio of Total Expenses to Average Net Assets	0.02%	0.02%	0.02% ²
Ratio of Net Investment Income to Average Net Assets	1.87%	2.11%	1.99% ²
Portfolio Turnover Rate ³	4%	4%	3% ⁴

The expense ratio, net investment income ratio, and turnover rate for the current period have been annualized.

¹ Inception.

² Annualized.

³ Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

⁴ Reflects the fund's portfolio turnover for the fiscal year ended December 31, 2015.

Financial Highlights

Institutional Select Shares

	Six Months Ended June 30, 2017	June 27, 2016 ¹ to Dec. 31, 2016
For a Share Outstanding Throughout Each Period		
Net Asset Value, Beginning of Period	\$110.37	\$97.70
Investment Operations		
Net Investment Income	1.052	1.181
Net Realized and Unrealized Gain (Loss) on Investments	8.877	12.718
Total from Investment Operations	9.929	13.899
Distributions		
Dividends from Net Investment Income	(1.089)	(1.229)
Distributions from Realized Capital Gains	—	—
Total Distributions	(1.089)	(1.229)
Net Asset Value, End of Period	\$119.21	\$110.37
Total Return	9.01%	14.24%

Ratios/Supplemental Data

Net Assets, End of Period (Millions)	\$11,584	\$8,545
Ratio of Total Expenses to Average Net Assets	0.01%	0.01% ²
Ratio of Net Investment Income to Average Net Assets	1.88%	2.15% ²
Portfolio Turnover Rate ³	4%	4% ⁴

The expense ratio, net investment income ratio, and turnover rate for the current period have been annualized.

1 Inception.

2 Annualized.

3 Excludes the value of portfolio securities received or delivered as a result of in-kind purchases or redemptions of the fund's capital shares, including ETF Creation Units.

4 Reflects the fund's portfolio turnover for the fiscal year ended December 31, 2016.

Notes to Financial Statements

Vanguard Total Stock Market Index Fund is registered under the Investment Company Act of 1940 as an open-end investment company, or mutual fund. The fund offers six classes of shares: Investor Shares, ETF Shares, Admiral Shares, Institutional Shares, Institutional Plus Shares, and Institutional Select Shares. Investor Shares are available to any investor who meets the fund's minimum purchase requirements. ETF Shares are listed for trading on NYSE Arca; they can be purchased and sold through a broker. Admiral Shares, Institutional Shares, Institutional Plus Shares, and Institutional Select Shares are designed for investors who meet certain administrative, service, and account-size criteria.

A. The following significant accounting policies conform to generally accepted accounting principles for U.S. investment companies. The fund consistently follows such policies in preparing its financial statements.

1. **Security Valuation:** Securities are valued as of the close of trading on the New York Stock Exchange (generally 4 p.m., Eastern time) on the valuation date. Equity securities are valued at the latest quoted sales prices or official closing prices taken from the primary market in which each security trades; such securities not traded on the valuation date are valued at the mean of the latest quoted bid and asked prices. Securities for which market quotations are not readily available, or whose values have been materially affected by events occurring before the fund's pricing time but after the close of the securities' primary markets, are valued by methods deemed by the board of trustees to represent fair value. Investments in Vanguard Market Liquidity Fund are valued at that fund's net asset value. Temporary cash investments are valued using the latest bid prices or using valuations based on a matrix system (which considers such factors as security prices, yields, maturities, and ratings), both as furnished by independent pricing services.

2. **Futures Contracts:** The fund uses index futures contracts to a limited extent, with the objectives of maintaining full exposure to the stock market, enhancing returns, maintaining liquidity, and minimizing transaction costs. The fund may purchase futures contracts to immediately invest incoming cash in the market, or sell futures in response to cash outflows, thereby simulating a fully invested position in the underlying index while maintaining a cash balance for liquidity. The fund may seek to enhance returns by using futures contracts instead of the underlying securities when futures are believed to be priced more attractively than the underlying securities. The primary risks associated with the use of futures contracts are imperfect correlation between changes in market values of stocks held by the fund and the prices of futures contracts, and the possibility of an illiquid market. Counterparty risk involving futures is mitigated because a regulated clearinghouse is the counterparty instead of the clearing broker. To further mitigate counterparty risk, the fund trades futures contracts on an exchange, monitors the financial strength of its clearing brokers and clearinghouse, and has entered into clearing agreements with its clearing brokers. The clearinghouse imposes initial margin requirements to secure the fund's performance and requires daily settlement of variation margin representing changes in the market value of each contract.

Futures contracts are valued at their quoted daily settlement prices. The aggregate settlement values of the contracts are not recorded in the Statement of Net Assets. Fluctuations in the value of the contracts are recorded in the Statement of Net Assets as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until the contracts are closed, when they are recorded as realized futures gains (losses).

During the six months ended June 30, 2017, the fund's average investments in long and short futures contracts represented less than 1% and 0% of net assets, respectively, based on the average of aggregate settlement values at each quarter-end during the period.

3. **Swap Contracts:** The fund has entered into equity swap contracts to earn the total return on selected reference stocks in the fund's target index. Under the terms of the swaps, the fund receives the total return on the referenced stock (i.e., receiving the increase or paying the decrease in value of the selected reference stock and receiving the equivalent of any dividends in respect of the selected referenced stock) over a specified period of time, applied to a notional amount that represents the value of a designated number of shares of the selected reference stock at the beginning of the equity swap contract. The fund also pays a floating rate that is based on short-term interest rates, applied to the notional amount. At the same time, the fund invests an amount approximating the notional amount of the swap in high-quality temporary cash investments.

The notional amounts of swap contracts are not recorded in the Statement of Net Assets. Swaps are valued daily based on market quotations received from independent pricing services or recognized dealers and the change in value is recorded in the Statement of Net Assets as an asset (liability) and in the Statement of Operations as unrealized appreciation (depreciation) until termination of the swap, at which time realized gain (loss) is recorded. A risk associated with all types of swaps is the possibility that a counterparty may default on its obligation to pay net amounts due to the fund. The fund's maximum amount subject to counterparty risk is the unrealized appreciation on the swap contract. The fund mitigates its counterparty risk by entering into swaps only with a diverse group of prequalified counterparties, monitoring their financial strength, entering into master netting arrangements with its counterparties, and requiring its counterparties to transfer collateral as security for their performance. In the absence of a default, the collateral pledged or received by the fund cannot be repledged, resold, or rehypothecated. In the event of a counterparty's default (including bankruptcy), the fund may terminate any swap contracts with that counterparty, determine the net amount owed by either party in accordance with its master netting arrangements, and sell or retain any collateral held up to the net amount owed to the fund under the master netting arrangements. The swap contracts contain provisions whereby a counterparty may terminate open contracts if the fund net assets decline below a certain level, triggering a payment by the fund if the fund is in a net liability position at the time of the termination. The payment amount would be reduced by any collateral the fund has pledged. Any securities pledged as collateral for open contracts are noted in the Statement of Net Assets. The value of collateral received or pledged is compared daily to the value of the swap contracts exposure with each counterparty, and any difference, if in excess of a specified minimum transfer amount, is adjusted and settled within two business days.

During the six months ended June 30, 2017, the fund's average amounts of investments in total return swaps represented less than 1% of net assets, based on the average of notional amounts at each quarter-end during the period.

4. **Federal Income Taxes:** The fund intends to continue to qualify as a regulated investment company and distribute all of its taxable income. Management has analyzed the fund's tax positions taken for all open federal income tax years (December 31, 2013–2016), and for the period ended June 30, 2017, and has concluded that no provision for federal income tax is required in the fund's financial statements.

5. Distributions: Distributions to shareholders are recorded on the ex-dividend date.
6. Securities Lending: To earn additional income, the fund lends its securities to qualified institutional borrowers. Security loans are subject to termination by the fund at any time, and are required to be secured at all times by collateral in an amount at least equal to the market value of securities loaned. Daily market fluctuations could cause the value of loaned securities to be more or less than the value of the collateral received. When this occurs, the collateral is adjusted and settled on the next business day. The fund further mitigates its counterparty risk by entering into securities lending transactions only with a diverse group of prequalified counterparties, monitoring their financial strength, and entering into master securities lending agreements with its counterparties. The master securities lending agreements provide that, in the event of a counterparty's default (including bankruptcy), the fund may terminate any loans with that borrower, determine the net amount owed, and sell or retain the collateral up to the net amount owed to the fund; however, such actions may be subject to legal proceedings. While collateral mitigates counterparty risk, in the event of a default, the fund may experience delays and costs in recovering the securities loaned. The fund invests cash collateral received in Vanguard Market Liquidity Fund, and records a liability in the Statement of Net Assets for the return of the collateral, during the period the securities are on loan. Securities lending income represents fees charged to borrowers plus income earned on invested cash collateral, less expenses associated with the loan. During the term of the loan, the fund is entitled to all distributions made on or in respect of the loaned securities.
7. Credit Facility: The fund and certain other funds managed by The Vanguard Group ("Vanguard") participate in a \$3.1 billion committed credit facility provided by a syndicate of lenders pursuant to a credit agreement that may be renewed annually; each fund is individually liable for its borrowings, if any, under the credit facility. Borrowings may be utilized for temporary and emergency purposes, and are subject to the fund's regulatory and contractual borrowing restrictions. The participating funds are charged administrative fees and an annual commitment fee of 0.10% of the undrawn amount of the facility; these fees are allocated to the funds based on a method approved by the fund's board of trustees and included in Management and Administrative expenses on the fund's Statement of Operations. Any borrowings under this facility bear interest at a rate based upon the higher of the one-month London Interbank Offered Rate, federal funds effective rate, or overnight bank funding rate plus an agreed-upon spread.
- The fund had no borrowings outstanding at June 30, 2017, or at any time during the period then ended.
8. Other: Dividend income is recorded on the ex-dividend date. Interest income includes income distributions received from Vanguard Market Liquidity Fund and is accrued daily. Premiums and discounts on debt securities purchased are amortized and accreted, respectively, to interest income over the lives of the respective securities. Security transactions are accounted for on the date securities are bought or sold. Costs used to determine realized gains (losses) on the sale of investment securities are those of the specific securities sold.

Each class of shares has equal rights as to assets and earnings, except that each class separately bears certain class-specific expenses related to maintenance of shareholder accounts (included in Management and Administrative expenses) and shareholder reporting. Marketing and distribution

expenses are allocated to each class of shares based on a method approved by the board of trustees. Income, other non-class-specific expenses, and gains and losses on investments are allocated to each class of shares based on its relative net assets.

B. In accordance with the terms of a Funds' Service Agreement (the "FSA") between Vanguard and the fund, Vanguard furnishes to the fund investment advisory, corporate management, administrative, marketing, and distribution services at Vanguard's cost of operations (as defined by the FSA). These costs of operations are allocated to the fund based on methods and guidelines approved by the board of trustees. Vanguard does not require reimbursement in the current period for certain costs of operations (such as deferred compensation/benefits and risk/insurance costs); the fund's liability for these costs of operations is included in Payables to Vanguard on the Statement of Net Assets.

Upon the request of Vanguard, the fund may invest up to 0.40% of its net assets as capital in Vanguard. At June 30, 2017, the fund had contributed to Vanguard capital in the amount of \$37,853,000, representing 0.01% of the fund's net assets and 15.14% of Vanguard's capitalization. The fund's trustees and officers are also directors and employees, respectively, of Vanguard.

C. Various inputs may be used to determine the value of the fund's investments. These inputs are summarized in three broad levels for financial statement purposes. The inputs or methodologies used to value securities are not necessarily an indication of the risk associated with investing in those securities.

Level 1—Quoted prices in active markets for identical securities.

Level 2—Other significant observable inputs (including quoted prices for similar securities, interest rates, prepayment speeds, credit risk, etc.).

Level 3—Significant unobservable inputs (including the fund's own assumptions used to determine the fair value of investments).

The following table summarizes the market value of the fund's investments as of June 30, 2017, based on the inputs used to value them:

Investments	Level 1 (\$000)	Level 2 (\$000)	Level 3 (\$000)
Common Stocks	577,778,717	54	14,120
Temporary Cash Investments	6,383,556	165,198	—
Futures Contracts—Assets ¹	1,186	—	—
Futures Contracts—Liabilities ¹	(354)	—	—
Swap Contracts—Assets	—	3,627	—
Swap Contracts—Liabilities	—	(425)	—
Total	584,163,105	168,454	14,120

¹ Represents variation margin on the last day of the reporting period.

D. At June 30, 2017, the aggregate settlement value of open futures contracts and the related unrealized appreciation (depreciation) were:

			(\$000)	
Futures Contracts	Expiration	Number of Long (Short) Contracts	Aggregate Settlement Value Long (Short)	Unrealized Appreciation (Depreciation)
E-mini S&P 500 Index	September 2017	24,727	2,993,080	(10,633)
E-mini Russell 2000 Index	September 2017	1,914	135,349	(642)
E-mini S&P Mid-Cap 400 Index	September 2017	240	41,906	(262)
				(11,537)

Unrealized appreciation (depreciation) on open futures contracts is required to be treated as realized gain (loss) for tax purposes.

At June 30, 2017, the fund had the following open total return swap contracts:

Reference Entity	Termination Date	Counterparty	Notional Amount (\$000)	Floating Interest Rate Received (Paid)	Unrealized Appreciation (Depreciation) (\$000)
Ambac Financial Group Inc.	7/6/17	GSCM	9,525	(1.612%)	621
Gaming and Leisure Properties Inc.	9/21/17	GSCM	11,301	(1.776%)	(310)
Gaming and Leisure Properties Inc.	9/21/17	GSCM	4,897	(1.774%)	(115)
Gaming and Leisure Properties Inc.	9/21/17	GSCM	1,883	(0.550%)	4
SLM Corp.	8/22/17	GSI	38,583	(1.612%)	3,002
					3,202

GSCM—Goldman Sachs Capital Management.

GSI—Goldman Sachs International.

At June 30, 2017, the counterparty had deposited in segregated accounts securities with a value of \$2,560,000 in connection with amounts due to the fund for open swap contracts.

E. Distributions are determined on a tax basis and may differ from net investment income and realized capital gains for financial reporting purposes. Differences may be permanent or temporary. Permanent differences are reclassified among capital accounts in the financial statements to reflect their tax character. Temporary differences arise when certain items of income, expense, gain, or loss are recognized in different periods for financial statement and tax purposes. These differences will reverse at some time in the future. Differences in classification may also result from the treatment of short-term gains as ordinary income for tax purposes.

Total Stock Market Index Fund

During the six months ended June 30, 2017, the fund realized \$2,835,002,000 of net capital gains resulting from in-kind redemptions—in which shareholders exchanged fund shares for securities held by the fund rather than for cash. Because such gains are not taxable to the fund, and are not distributed to shareholders, they have been reclassified from accumulated net realized losses to paid-in capital.

The fund's tax-basis capital gains and losses are determined only at the end of each fiscal year. The fund realized losses of \$463,562,000 during the period from November 1, 2016, through December 31, 2016, which are deferred and will be treated as realized for tax purposes in fiscal 2017. The fund will use these capital losses to offset net taxable capital gains, if any, realized during the year ending December 31, 2017.

At June 30, 2017, the cost of investment securities for tax purposes was \$390,132,731,000. Net unrealized appreciation of investment securities for tax purposes was \$194,208,914,000, consisting of unrealized gains of \$206,073,706,000 on securities that had risen in value since their purchase and \$11,864,792,000 in unrealized losses on securities that had fallen in value since their purchase.

F. During the six months ended June 30, 2017, the fund purchased \$53,812,955,000 of investment securities and sold \$12,977,306,000 of investment securities, other than temporary cash investments. Purchases and sales include \$10,043,403,000 and \$2,020,228,000, respectively, in connection with in-kind purchases and redemptions of the fund's capital shares.

G. Capital share transactions for each class of shares were:

	Six Months Ended June 30, 2017		Year Ended December 31, 2016	
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)
Investor Shares				
Issued	8,029,510	136,064	11,360,219	224,105
Issued in Lieu of Cash Distributions	964,668	16,172	1,919,404	36,018
Redeemed	(5,296,742)	(88,495)	(15,912,746)	(303,219)
Net Increase (Decrease)—Investor Shares	3,697,436	63,741	(2,633,123)	(43,096)
ETF Shares				
Issued	8,264,880	67,843	12,651,306	117,794
Issued in Lieu of Cash Distributions	—	—	—	—
Redeemed	(4,009,563)	(32,600)	(6,495,241)	(61,600)
Net Increase (Decrease)—ETF Shares	4,255,317	35,243	6,156,065	56,194
Admiral Shares				
Issued	14,029,179	238,015	23,021,975	443,481
Issued in Lieu of Cash Distributions	1,293,767	21,687	2,437,517	45,667
Redeemed	(9,166,233)	(155,332)	(14,286,776)	(273,567)
Net Increase (Decrease)—Admiral Shares	6,156,713	104,370	11,172,716	215,581

Total Stock Market Index Fund

	Six Months Ended June 30, 2017		Year Ended December 31, 2016	
	Amount (\$000)	Shares (000)	Amount (\$000)	Shares (000)
Institutional Shares				
Issued	13,539,880	230,586	23,023,849	445,440
Issued in Lieu of Cash Distributions	775,648	12,995	1,314,828	24,590
Redeemed	(4,980,721)	(84,198)	(9,655,676)	(184,350)
Net Increase (Decrease)—Institutional Shares	9,334,807	159,383	14,683,001	285,680
Institutional Plus Shares				
Issued	18,147,684	165,040	17,424,884	181,141
Issued in Lieu of Cash Distributions	930,234	8,310	1,561,503	15,576
Redeemed	(3,510,118)	(31,732)	(5,020,576)	(50,622)
Net Increase (Decrease)—Institutional Plus Shares	15,567,800	141,618	13,965,811	146,095
Institutional Select Shares¹				
Issued	2,410,928	20,473	8,412,782	78,011
Issued in Lieu of Cash Distributions	94,893	807	66,262	600
Redeemed	(177,474)	(1,527)	(127,609)	(1,185)
Net Increase (Decrease)—Institutional Select Shares	2,328,347	19,753	8,351,435	77,426

¹ Inception was June 27, 2016, for Institutional Select Shares.

H. Management has determined that no material events or transactions occurred subsequent to June 30, 2017, that would require recognition or disclosure in these financial statements.

About Your Fund’s Expenses

As a shareholder of the fund, you incur ongoing costs, which include costs for portfolio management, administrative services, and shareholder reports (like this one), among others. Operating expenses, which are deducted from a fund’s gross income, directly reduce the investment return of the fund.

A fund’s expenses are expressed as a percentage of its average net assets. This figure is known as the expense ratio. The following examples are intended to help you understand the ongoing costs (in dollars) of investing in your fund and to compare these costs with those of other mutual funds. The examples are based on an investment of \$1,000 made at the beginning of the period shown and held for the entire period.

The accompanying table illustrates your fund’s costs in two ways:

- **Based on actual fund return.** This section helps you to estimate the actual expenses that you paid over the period. The “Ending Account Value” shown is derived from the fund’s actual return, and the third column shows the dollar amount that would have been paid by an investor who started with \$1,000 in the fund. You may use the information here, together with the amount you invested, to estimate the expenses that you paid over the period.

To do so, simply divide your account value by \$1,000 (for example, an \$8,600 account value divided by \$1,000 = 8.6), then multiply the result by the number given for your fund under the heading “Expenses Paid During Period.”

- **Based on hypothetical 5% yearly return.** This section is intended to help you compare your fund’s costs with those of other mutual funds. It assumes that the fund had a yearly return of 5% before expenses, but that the expense ratio is unchanged. In this case—because the return used is not the fund’s actual return—the results do not apply to your investment. The example is useful in making comparisons because the Securities and Exchange Commission requires all mutual funds to calculate expenses based on a 5% return. You can assess your fund’s costs by comparing this hypothetical example with the hypothetical examples that appear in shareholder reports of other funds.

Note that the expenses shown in the table are meant to highlight and help you compare *ongoing* costs only and do not reflect transaction costs incurred by the fund for buying and selling securities. Further, the expenses do not include any purchase, redemption, or account service fees described in the fund prospectus. If such fees were applied to your account, your costs would be higher. Your fund does not carry a “sales load.”

The calculations assume no shares were bought or sold during the period. Your actual costs may have been higher or lower, depending on the amount of your investment and the timing of any purchases or redemptions.

You can find more information about the fund’s expenses, including annual expense ratios, in the Financial Statements section of this report. For additional information on operating expenses and other shareholder costs, please refer to your fund’s current prospectus.

Six Months Ended June 30, 2017

	Beginning Account Value 12/31/2016	Ending Account Value 6/30/2017	Expenses Paid During Period
Total Stock Market Index Fund			
Based on Actual Fund Return			
Investor Shares	\$1,000.00	\$1,089.40	\$0.73
ETF Shares	1,000.00	1,089.90	0.21
Admiral Shares	1,000.00	1,089.94	0.21
Institutional Shares	1,000.00	1,089.96	0.18
Institutional Plus Shares	1,000.00	1,090.14	0.10
Institutional Select Shares	1,000.00	1,090.14	0.05
Based on Hypothetical 5% Yearly Return			
Investor Shares	\$1,000.00	\$1,024.10	\$0.70
ETF Shares	1,000.00	1,024.60	0.20
Admiral Shares	1,000.00	1,024.60	0.20
Institutional Shares	1,000.00	1,024.62	0.18
Institutional Plus Shares	1,000.00	1,024.70	0.10
Institutional Select Shares	1,000.00	1,024.70	0.05

The calculations are based on expenses incurred in the most recent six-month period. The fund's annualized six-month expense ratios for that period are 0.14% for Investor Shares, 0.04% for ETF Shares, 0.04% for Admiral Shares, 0.035% for Institutional Shares, 0.02% for Institutional Plus Shares, and 0.01% for Institutional Select Shares. The dollar amounts shown as "Expenses Paid" are equal to the annualized expense ratio multiplied by the average account value over the period, multiplied by the number of days in the most recent six-month period, then divided by the number of days in the most recent 12-month period (181/365).

Trustees Approve Advisory Arrangement

The board of trustees of Vanguard Total Stock Market Index Fund has renewed the fund's investment advisory arrangement with The Vanguard Group, Inc. (Vanguard), through its Equity Index Group. The board determined that continuing the fund's internalized management structure was in the best interests of the fund and its shareholders.

The board based its decision upon an evaluation of the advisor's investment staff, portfolio management process, and performance. This evaluation included information provided to the board by Vanguard's Portfolio Review Department, which is responsible for fund and advisor oversight and product management. The Portfolio Review Department met regularly with the advisor and made monthly presentations to the board during the fiscal year that directed the board's focus to relevant information and topics.

The board, or an investment committee made up of board members, also received information throughout the year during advisor presentations. For each advisor presentation, the board was provided with letters and reports that included information about, among other things, the advisory firm and the advisor's assessment of the investment environment, portfolio performance, and portfolio characteristics.

In addition, the board received monthly reports, which included a Market and Economic Report, a Fund Dashboard Monthly Summary, and a Fund Performance Report.

Prior to their meeting, the trustees were provided with a memo and materials that summarized the information they received over the course of the year. They also considered the factors discussed below, among others. However, no single factor determined whether the board approved the arrangement. Rather, it was the totality of the circumstances that drove the board's decision.

Nature, extent, and quality of services

The board reviewed the quality of the fund's investment management services over both the short and long term and took into account the organizational depth and stability of the advisor. The board considered that Vanguard has been managing investments for more than three decades. The Equity Index Group adheres to a sound, disciplined investment management process; the team has considerable experience, stability, and depth.

The board concluded that Vanguard's experience, stability, depth, and performance, among other factors, warranted continuation of the advisory arrangement.

Investment performance

The board considered the short- and long-term performance of the fund, including any periods of outperformance or underperformance compared with its target index and peer group. The board concluded that the performance was such that the advisory arrangement should continue. Information about the fund's most recent performance can be found in the Performance Summary section of this report.

Cost

The board concluded that the fund's expense ratio was well below the average expense ratio charged by funds in its peer group and that the fund's advisory expenses were also well below its peer-group average. Information about the fund's expenses appears in the About Your Fund's Expenses section of this report as well as in the Financial Statements section.

The board does not conduct a profitability analysis of Vanguard because of Vanguard's unique "at-cost" structure. Unlike most other mutual fund management companies, Vanguard is owned by the funds it oversees and produces "profits" only in the form of reduced expenses for fund shareholders.

The benefit of economies of scale

The board concluded that the fund's at-cost arrangement with Vanguard ensures that the fund will realize economies of scale as it grows, with the cost to shareholders declining as fund assets increase.

The board will consider whether to renew the advisory arrangement again after a one-year period.

Glossary

30-Day SEC Yield. A fund's 30-day SEC yield is derived using a formula specified by the U.S. Securities and Exchange Commission. Under the formula, data related to the fund's security holdings in the previous 30 days are used to calculate the fund's hypothetical net income for that period, which is then annualized and divided by the fund's estimated average net assets over the calculation period. For the purposes of this calculation, a security's income is based on its current market yield to maturity (for bonds), its actual income (for asset-backed securities), or its projected dividend yield (for stocks). Because the SEC yield represents hypothetical annualized income, it will differ—at times significantly—from the fund's actual experience. As a result, the fund's income distributions may be higher or lower than implied by the SEC yield.

Beta. A measure of the magnitude of a fund's past share-price fluctuations in relation to the ups and downs of a given market index. The index is assigned a beta of 1.00. Compared with a given index, a fund with a beta of 1.20 typically would have seen its share price rise or fall by 12% when the index rose or fell by 10%. For this report, beta is based on returns over the past 36 months for both the fund and the index. Note that a fund's beta should be reviewed in conjunction with its R-squared (see definition). The lower the R-squared, the less correlation there is between the fund and the index, and the less reliable beta is as an indicator of volatility.

Dividend Yield. Dividend income earned by stocks, expressed as a percentage of the aggregate market value (or of net asset value, for a fund). The yield is determined by dividing the amount of the annual dividends by the aggregate value (or net asset value) at the end of the period. For a fund, the dividend yield is based solely on stock holdings and does not include any income produced by other investments.

Earnings Growth Rate. The average annual rate of growth in earnings over the past five years for the stocks now in a fund.

Equity Exposure. A measure that reflects a fund's investments in stocks and stock futures. Any holdings in short-term reserves are excluded.

Expense Ratio. A fund's total annual operating expenses expressed as a percentage of the fund's average net assets. The expense ratio includes management and administrative expenses, but does not include the transaction costs of buying and selling portfolio securities.

Foreign Holdings. The percentage of a fund represented by securities or depositary receipts of companies based outside the United States.

Inception Date. The date on which the assets of a fund (or one of its share classes) are first invested in accordance with the fund's investment objective. For funds with a subscription period, the inception date is the day after that period ends. Investment performance is measured from the inception date.

Median Market Cap. An indicator of the size of companies in which a fund invests; the midpoint of market capitalization (market price x shares outstanding) of a fund's stocks, weighted by the proportion of the fund's assets invested in each stock. Stocks representing half of the fund's assets have market capitalizations above the median, and the rest are below it.

Price/Book Ratio. The share price of a stock divided by its net worth, or book value, per share. For a fund, the weighted average price/book ratio of the stocks it holds.

Price/Earnings Ratio. The ratio of a stock's current price to its per-share earnings over the past year. For a fund, the weighted average P/E of the stocks it holds. P/E is an indicator of market expectations about corporate prospects; the higher the P/E, the greater the expectations for a company's future growth.

R-Squared. A measure of how much of a fund's past returns can be explained by the returns from the market in general, as measured by a given index. If a fund's total returns were precisely synchronized with an index's returns, its R-squared would be 1.00. If the fund's returns bore no relationship to the index's returns, its R-squared would be 0. For this report, R-squared is based on returns over the past 36 months for both the fund and the index.

Return on Equity. The annual average rate of return generated by a company during the past five years for each dollar of shareholder's equity (net income divided by shareholder's equity). For a fund, the weighted average return on equity for the companies whose stocks it holds.

Short-Term Reserves. The percentage of a fund invested in highly liquid, short-term securities that can be readily converted to cash.

Turnover Rate. An indication of the fund's trading activity. Funds with high turnover rates incur higher transaction costs and may be more likely to distribute capital gains (which may be taxable to investors). The turnover rate excludes in-kind transactions, which have minimal impact on costs.

Benchmark Information

Spliced Total Stock Market Index: Dow Jones U.S. Total Stock Market Index (formerly known as the Dow Jones Wilshire 5000 Index) through April 22, 2005; MSCI US Broad Market Index through June 2, 2013; and CRSP US Total Market Index thereafter.

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The People Who Govern Your Fund

The trustees of your mutual fund are there to see that the fund is operated and managed in your best interests since, as a shareholder, you are a part owner of the fund. Your fund's trustees also serve on the board of directors of The Vanguard Group, Inc., which is owned by the Vanguard funds and provides services to them on an at-cost basis.

A majority of Vanguard's board members are independent, meaning that they have no affiliation with Vanguard or the funds they oversee, apart from the sizable personal investments they have made as private individuals. The independent board members have distinguished backgrounds in business, academia, and public service. Each of the trustees and executive officers oversees 197 Vanguard funds.

Information for each trustee and executive officer of the fund appears below. The mailing address of the trustees and officers is P.O. Box 876, Valley Forge, PA 19482. More information about the trustees is in the *Statement of Additional Information*, which can be obtained, without charge, by contacting Vanguard at 800-662-7447, or online at vanguard.com.

Interested Trustee¹

F. William McNabb III

Born 1957. Trustee Since July 2009. Chairman of the Board. Principal Occupation(s) During the Past Five Years and Other Experience: Chairman of the Board of The Vanguard Group, Inc., and of each of the investment companies served by The Vanguard Group, since January 2010; Director of The Vanguard Group since 2008; Chief Executive Officer and President of The Vanguard Group, and of each of the investment companies served by The Vanguard Group, since 2008; Director of Vanguard Marketing Corporation; Managing Director of The Vanguard Group (1995–2008).

Independent Trustees

Emerson U. Fullwood

Born 1948. Trustee Since January 2008. Principal Occupation(s) During the Past Five Years and Other Experience: Executive Chief Staff and Marketing Officer for North America and Corporate Vice President (retired 2008) of Xerox Corporation (document management products and services); Executive in Residence and 2009–2010 Distinguished Minett Professor at the Rochester Institute of Technology; Lead Director of SPX FLOW, Inc. (multi-industry manufacturing); Director of the United Way of Rochester, the University of Rochester Medical Center, Monroe Community College Foundation, North Carolina A&T University, and Roberts Wesleyan College; Trustee of the University of Rochester.

Rajiv L. Gupta

Born 1945. Trustee Since December 2001.² Principal Occupation(s) During the Past Five Years and Other Experience: Chairman and Chief Executive Officer (retired 2009) and President (2006–2008) of Rohm and Haas Co. (chemicals); Director of Arconic Inc.

(diversified manufacturer), HP Inc. (printer and personal computer manufacturing), and Delphi Automotive plc (automotive components); Senior Advisor at New Mountain Capital.

Amy Gutmann

Born 1949. Trustee Since June 2006. Principal Occupation(s) During the Past Five Years and Other Experience: President of the University of Pennsylvania; Christopher H. Browne Distinguished Professor of Political Science, School of Arts and Sciences, and Professor of Communication, Annenberg School for Communication, with secondary faculty appointments in the Department of Philosophy, School of Arts and Sciences, and at the Graduate School of Education, University of Pennsylvania; Trustee of the National Constitution Center.

JoAnn Heffernan Heisen

Born 1950. Trustee Since July 1998. Principal Occupation(s) During the Past Five Years and Other Experience: Corporate Vice President and Member of the Executive Committee (1997–2008), Chief Global Diversity Officer (retired 2008), Vice President and Chief Information Officer (1997–2006), Controller (1995–1997), Treasurer (1991–1995), and Assistant Treasurer (1989–1991) of Johnson & Johnson (pharmaceuticals/medical devices/consumer products); Director of Skytop Lodge Corporation (hotels) and the Robert Wood Johnson Foundation; Member of the Advisory Board of the Institute for Women's Leadership at Rutgers University.

F. Joseph Loughrey

Born 1949. Trustee Since October 2009. Principal Occupation(s) During the Past Five Years and Other Experience: President and Chief Operating Officer (retired 2009) of Cummins Inc. (industrial machinery); Chairman of the Board of Hillenbrand, Inc. (specialized consumer services), Oxfam America, and the Lumina

Foundation for Education; Director of the V Foundation for Cancer Research; Member of the Advisory Council for the College of Arts and Letters and Chair of the Advisory Board to the Kellogg Institute for International Studies, both at the University of Notre Dame.

Mark Loughridge

Born 1953. Trustee Since March 2012. Principal Occupation(s) During the Past Five Years and Other Experience: Senior Vice President and Chief Financial Officer (retired 2013) at IBM (information technology services); Fiduciary Member of IBM's Retirement Plan Committee (2004–2013); Director of the Dow Chemical Company; Member of the Council on Chicago Booth.

Scott C. Malpass

Born 1962. Trustee Since March 2012. Principal Occupation(s) During the Past Five Years and Other Experience: Chief Investment Officer and Vice President at the University of Notre Dame; Assistant Professor of Finance at the Mendoza College of Business at Notre Dame; Member of the Notre Dame 403(b) Investment Committee, the Board of Advisors for Spruceview Capital Partners, the Board of Catholic Investment Services, Inc. (investment advisor), and the Board of Superintendence of the Institute for the Works of Religion; Chairman of the Board of TIFF Advisory Services, Inc. (investment advisor).

André F. Perold

Born 1952. Trustee Since December 2004. Principal Occupation(s) During the Past Five Years and Other Experience: George Gund Professor of Finance and Banking, Emeritus at the Harvard Business School (retired 2011); Chief Investment Officer and Co-Managing Partner of HighVista Strategies LLC (private investment firm); Overseer of the Museum of Fine Arts Boston.

Peter F. Volanakis

Born 1955. Trustee Since July 2009. Principal Occupation(s) During the Past Five Years and Other Experience: President and Chief Operating Officer (retired 2010) of Corning Incorporated (communications equipment); Chairman of the Board of Trustees of Colby-Sawyer College; Member of the Board of Hypertherm, Inc. (industrial cutting systems, software, and consumables).

Executive Officers

Glenn Booraem

Born 1967. Investment Stewardship Officer Since February 2017. Principal Occupation(s) During the Past Five Years and Other Experience: Principal of The Vanguard Group, Inc.; Treasurer (2015–2017), Controller (2010–2015), and Assistant Controller (2001–2010) of each of the investment companies served by The Vanguard Group.

Thomas J. Higgins

Born 1957. Chief Financial Officer Since September 2008. Principal Occupation(s) During the Past Five Years and Other Experience: Principal of The Vanguard Group, Inc.; Chief Financial Officer of each of the investment companies served by The Vanguard Group; Treasurer of each of the investment companies served by The Vanguard Group (1998–2008).

Peter Mahoney

Born 1974. Controller Since May 2015. Principal Occupation(s) During the Past Five Years and Other Experience: Principal of The Vanguard Group, Inc.; Controller of each of the investment companies served by The Vanguard Group; Head of International Fund Services at The Vanguard Group (2008–2014).

Anne E. Robinson

Born 1970. Secretary Since September 2016. Principal Occupation(s) During the Past Five Years and Other Experience: Managing Director of The Vanguard Group, Inc.; General Counsel of The Vanguard Group; Secretary of The Vanguard Group and of each of the investment companies served by The Vanguard Group; Director and Senior Vice President of Vanguard Marketing Corporation; Managing Director and General Counsel of Global Cards and Consumer Services at Citigroup (2014–2016); Counsel at American Express (2003–2014).

Michael Rollings

Born 1963. Treasurer Since February 2017. Principal Occupation(s) During the Past Five Years and Other Experience: Managing Director of The Vanguard Group, Inc.; Treasurer of each of the investment companies served by The Vanguard Group; Director of Vanguard Marketing Corporation; Executive Vice President and Chief Financial Officer of MassMutual Financial Group (2006–2016).

Vanguard Senior Management Team

Mortimer J. Buckley

John James

Martha G. King

John T. Marcante

Chris D. McIsaac

James M. Norris

Thomas M. Rampulla

Glenn W. Reed

Karin A. Risi

Chairman Emeritus and Senior Advisor

John J. Brennan

Chairman, 1996–2009

Chief Executive Officer and President, 1996–2008

Founder

John C. Bogle

Chairman and Chief Executive Officer, 1974–1996

1 Mr. McNabb is considered an "interested person," as defined in the Investment Company Act of 1940, because he is an officer of the Vanguard funds.

2 December 2002 for Vanguard Equity Income Fund, the Vanguard Municipal Bond Funds, and the Vanguard State Tax-Exempt Funds.



Vanguard®

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Connect with Vanguard® > vanguard.com

Fund Information > 800-662-7447

Direct Investor Account Services > 800-662-2739

Institutional Investor Services > 800-523-1036

Text Telephone for People

Who Are Deaf or Hard of Hearing > 800-749-7273

This material may be used in conjunction with the offering of shares of any Vanguard fund only if preceded or accompanied by the fund's current prospectus.

All comparative mutual fund data are from Lipper, a Thomson Reuters Company, or Morningstar, Inc., unless otherwise noted.

You can obtain a free copy of Vanguard's proxy voting guidelines by visiting vanguard.com/proxyreporting or by calling Vanguard at 800-662-2739. The guidelines are also available from the SEC's website, sec.gov. In addition, you may obtain a free report on how your fund voted the proxies for securities it owned during the 12 months ended June 30. To get the report, visit either vanguard.com/proxyreporting or sec.gov.

You can review and copy information about your fund at the SEC's Public Reference Room in Washington, D.C. To find out more about this public service, call the SEC at 202-551-8090. Information about your fund is also available on the SEC's website, and you can receive copies of this information, for a fee, by sending a request in either of two ways: via email addressed to publicinfo@sec.gov or via regular mail addressed to the Public Reference Section, Securities and Exchange Commission, Washington, DC 20549-1520.

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Q852 082017

Item 2: Code of Ethics. The Registrant has adopted a code of ethics that applies to the Registrant's principal executive officer, principal financial officer, principal accounting officer or controller or persons performing similar functions. The Code of Ethics was amended during the reporting period covered by this report to make certain technical, non-material changes.

Item 3: Audit Committee Financial Expert.

Not Applicable.

Item 4: Principal Accountant Fees and Services.

(a) Audit Fees.

Not Applicable.

Item 5: Audit Committee of Listed Registrants.

Not Applicable.

Item 6: Investments.

	Shares	Market Value (\$000)
Common Stocks (99.2%)¹		
Basic Materials (4.3%)		
Steel Dynamics Inc.	5,340,036	191,227
RPM International Inc.	3,106,298	169,449
Chemours Co.	4,291,579	162,737
Huntsman Corp.	4,735,720	122,371
Royal Gold Inc.	1,517,836	118,649
Olin Corp.	3,847,617	116,506
NewMarket Corp.	221,555	102,022
Ashland Global Holdings Inc.	1,441,261	94,994
Scotts Miracle-Gro Co.	1,039,514	92,995
^ United States Steel Corp.	4,056,793	89,817
Sensient Technologies Corp.	1,026,853	82,692
Versum Materials Inc.	2,517,856	81,830
PolyOne Corp.	1,892,448	73,313
* Alcoa Corp.	2,141,324	69,914
* Univar Inc.	2,307,101	67,367
US Silica Holdings Inc.	1,873,486	66,490
Cabot Corp.	1,231,883	65,820
HB Fuller Co.	1,166,253	59,607
Minerals Technologies Inc.	807,232	59,089
* Platform Specialty Products Corp.	4,643,515	58,880
Balchem Corp.	736,815	57,258
* Ingevity Corp.	977,566	56,112
* CONSOL Energy Inc.	3,729,366	55,717
Domtar Corp.	1,426,307	54,799
Commercial Metals Co.	2,671,726	51,912
Worthington Industries Inc.	1,033,140	51,884
^ Compass Minerals International Inc.	785,595	51,299
* AK Steel Holding Corp.	7,290,457	47,898
* GCP Applied Technologies Inc.	1,568,660	47,844
^.* Cliffs Natural Resources Inc.	6,869,167	47,535
^.* Peabody Energy Corp.	1,925,723	47,084
Hecla Mining Co.	9,178,084	46,808
* Cambrex Corp.	753,365	45,014
^ Allegheny Technologies Inc.	2,513,601	42,756
Quaker Chemical Corp.	290,535	42,194
Stepan Co.	463,867	40,421
Carpenter Technology Corp.	1,076,704	40,301
KapStone Paper and Packaging Corp.	1,890,669	39,005
Innospec Inc.	552,819	36,237
* Coeur Mining Inc.	4,188,481	35,937
* Ferro Corp.	1,918,361	35,087
^ Arch Coal Inc. Class A	501,783	34,272
Kaiser Aluminum Corp.	375,107	33,204
* Kraton Corp.	745,557	25,677
Tronox Ltd. Class A	1,442,363	21,809
A Schulman Inc.	677,669	21,685
PH Glatfelter Co.	1,054,398	20,603
Deltic Timber Corp.	265,351	19,811
Innophos Holdings Inc.	447,039	19,598
Calgon Carbon Corp.	1,230,710	18,584
* Clearwater Paper Corp.	379,873	17,759
* Koppers Holdings Inc.	478,774	17,308
* Century Aluminum Co.	1,109,465	17,285
Rayonier Advanced Materials Inc.	1,051,020	16,522
^.* Fairmount Santrol Holdings Inc.	3,834,065	14,953
American Vanguard Corp.	651,706	11,242
Haynes International Inc.	309,502	11,238
Tredegar Corp.	690,546	10,531
Kronos Worldwide Inc.	533,016	9,712
* SunCoke Energy Inc.	817,778	8,914
FutureFuel Corp.	550,942	8,314

Vanguard® Small-Cap Index Fund
Schedule of Investments
June 30, 2017

	Shares	Market Value (\$000)
Warrior Met Coal Inc.	378,705	6,487
* Resolute Forest Products Inc.	1,464,714	6,445
		3,290,824
Consumer Goods (7.3%)		
* Take-Two Interactive Software Inc.	2,417,491	177,395
Pinnacle Foods Inc.	2,769,206	164,491
* Middleby Corp.	1,337,155	162,478
Leggett & Platt Inc.	3,079,323	161,757
Toll Brothers Inc.	3,588,099	141,766
Brunswick Corp.	2,077,560	130,325
Gentex Corp.	6,679,695	126,714
Thor Industries Inc.	1,161,344	121,384
* Post Holdings Inc.	1,462,497	113,563
Valvoline Inc.	4,756,366	112,821
^* Herbalife Ltd.	1,516,753	108,190
* TreeHouse Foods Inc.	1,321,243	107,932
Pool Corp.	917,718	107,896
Goodyear Tire & Rubber Co.	2,930,526	102,451
* Edgewell Personal Care Co.	1,332,080	101,265
Ingredion Inc.	836,854	99,761
Carter's Inc.	1,064,838	94,717
* Hain Celestial Group Inc.	2,402,859	93,279
* Skechers U.S.A. Inc. Class A	3,102,836	91,534
* US Foods Holding Corp.	3,345,835	91,074
* Visteon Corp.	738,523	75,374
Dana Inc.	3,366,903	75,183
^* Wayfair Inc.	958,486	73,688
Nu Skin Enterprises Inc. Class A	1,163,818	73,134
Tenneco Inc.	1,254,402	72,542
Flowers Foods Inc.	4,134,731	71,572
Energizer Holdings Inc.	1,432,843	68,805
Spectrum Brands Holdings Inc.	546,925	68,387
Tupperware Brands Corp.	941,669	66,133
* Zynga Inc. Class A	17,835,134	64,920
CalAtlantic Group Inc.	1,803,276	63,746
* Dorman Products Inc.	755,179	62,506
* Welbilt Inc.	3,213,487	60,574
* Darling Ingredients Inc.	3,808,895	59,952
Wolverine World Wide Inc.	2,128,988	59,633
* Helen of Troy Ltd.	624,754	58,789
Snyder's-Lance Inc.	1,683,066	58,268
^* Tempur Sealy International Inc.	1,059,612	56,573
LCI Industries	546,500	55,962
* Kate Spade & Co.	2,984,012	55,174
B&G Foods Inc.	1,533,551	54,594
Lancaster Colony Corp.	444,362	54,488
^* iRobot Corp.	604,897	50,896
* Deckers Outdoor Corp.	738,465	50,408
* Steven Madden Ltd.	1,236,953	49,416
Sanderson Farms Inc.	422,975	48,917
Vector Group Ltd.	2,246,994	47,906
* Blue Buffalo Pet Products Inc.	2,059,642	46,980
^ KB Home	1,958,765	46,952
J&J Snack Foods Corp.	347,991	45,959
* TRI Pointe Group Inc.	3,443,918	45,425
Cooper Tire & Rubber Co.	1,222,316	44,126
* Cooper-Standard Holdings Inc.	423,005	42,668
Herman Miller Inc.	1,371,176	41,684
HNI Corp.	1,007,918	40,186
Fresh Del Monte Produce Inc.	766,083	39,001
* Avon Products Inc.	10,153,144	38,582
* Taylor Morrison Home Corp. Class A	1,594,907	38,294
Universal Corp.	583,023	37,722
Columbia Sportswear Co.	637,161	36,994

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	Shares	Market Value (\$000)
* Meritage Homes Corp.	869,622	36,698
La-Z-Boy Inc.	1,117,986	36,334
Dean Foods Co.	2,101,084	35,718
MDC Holdings Inc.	983,005	34,730
WD-40 Co.	306,116	33,780
^.* Hostess Brands Inc. Class A	2,073,144	33,378
* Gentherm Inc.	840,518	32,612
* Select Comfort Corp.	915,739	32,500
* Vista Outdoor Inc.	1,362,334	30,666
* American Axle & Manufacturing Holdings Inc.	1,924,437	30,021
Interface Inc. Class A	1,423,165	27,965
Seaboard Corp.	6,995	27,945
* ACCO Brands Corp.	2,366,824	27,573
Schweitzer-Mauduit International Inc.	735,556	27,385
* Boston Beer Co. Inc. Class A	200,529	26,500
National Beverage Corp.	279,232	26,125
Steelcase Inc. Class A	1,856,428	25,990
^.* Cal-Maine Foods Inc.	655,481	25,957
Coca-Cola Bottling Co. Consolidated	110,341	25,254
* Central Garden & Pet Co. Class A	801,554	24,063
Knoll Inc.	1,128,021	22,617
* G-III Apparel Group Ltd.	892,334	22,264
Briggs & Stratton Corp.	914,335	22,035
Oxford Industries Inc.	342,231	21,386
Andersons Inc.	613,169	20,940
^.* Fitbit Inc. Class A	3,803,322	20,196
Ethan Allen Interiors Inc.	607,961	19,637
* Modine Manufacturing Co.	1,154,370	19,105
* USANA Health Sciences Inc.	266,446	17,079
Phibro Animal Health Corp. Class A	451,265	16,719
^.* GoPro Inc. Class A	2,056,277	16,717
Inter Parfums Inc.	415,520	15,229
^.* e.l.f. Beauty Inc.	498,339	13,560
^ Tootsie Roll Industries Inc.	381,202	13,285
* Crocs Inc.	1,720,088	13,262
National Presto Industries Inc.	104,871	11,588
Superior Industries International Inc.	521,368	10,714
^.* Fossil Group Inc.	1,015,134	10,507
Acushnet Holdings Corp.	497,862	9,878
Movado Group Inc.	390,050	9,849
* Iconix Brand Group Inc.	1,264,395	8,737
^.* Central Garden & Pet Co.	242,676	7,715
^.* Amplify Snack Brands Inc.	782,816	7,546
* Eastman Kodak Co.	787,642	7,167
Titan International Inc.	567,775	6,819
* Revlon Inc. Class A	272,611	6,461
* Vera Bradley Inc.	165,904	1,622
		5,586,734
Consumer Services (11.8%)		
Vail Resorts Inc.	932,114	189,061
* JetBlue Airways Corp.	7,790,654	177,861
* VCA Inc.	1,803,862	166,514
* Panera Bread Co. Class A	499,052	157,022
* Burlington Stores Inc.	1,633,195	150,238
* Copart Inc.	4,550,092	144,647
Service Corp. International	4,155,289	138,994
KAR Auction Services Inc.	3,182,263	133,560
^.* Liberty Media Corp-Liberty Formula One	3,537,897	129,558
* ServiceMaster Global Holdings Inc.	3,111,197	121,928
Domino's Pizza Inc.	558,339	118,105
Dunkin' Brands Group Inc.	2,141,074	118,016
* Live Nation Entertainment Inc.	3,111,071	108,421
Six Flags Entertainment Corp.	1,789,735	106,686
Sabre Corp.	4,521,808	98,440

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	Shares	Market Value (\$000)
Casey's General Stores Inc.	906,645	97,111
Cinemark Holdings Inc.	2,432,678	94,509
^ Cracker Barrel Old Country Store Inc.	559,875	93,639
Rollins Inc.	2,290,221	93,235
Dun & Bradstreet Corp.	852,182	92,163
* Bright Horizons Family Solutions Inc.	1,179,085	91,037
Williams-Sonoma Inc.	1,813,123	87,936
* Grand Canyon Education Inc.	1,113,072	87,276
^* GrubHub Inc.	1,997,895	87,108
* Spirit Airlines Inc.	1,617,621	83,550
Extended Stay America Inc.	4,266,756	82,604
Dick's Sporting Goods Inc.	1,984,336	79,036
* Madison Square Garden Co. Class A	398,229	78,411
* Cabela's Inc.	1,279,284	76,015
Cable One Inc.	106,559	75,753
Texas Roadhouse Inc. Class A	1,480,404	75,427
H&R Block Inc.	2,402,267	74,254
Chemed Corp.	353,538	72,309
* Rite Aid Corp.	24,443,661	72,109
TEGNA Inc.	4,991,997	71,935
Tribune Media Co. Class A	1,714,757	69,911
* Sprouts Farmers Market Inc.	3,019,622	68,455
* Beacon Roofing Supply Inc.	1,394,510	68,331
* AMC Networks Inc. Class A	1,277,611	68,237
ILG Inc.	2,473,069	67,985
* Liberty Expedia Holdings Inc. Class A	1,252,919	67,683
Jack in the Box Inc.	682,444	67,221
Wendy's Co.	4,287,094	66,493
* Dave & Buster's Entertainment Inc.	977,683	65,026
Office Depot Inc.	11,375,888	64,160
* Sally Beauty Holdings Inc.	3,166,276	64,117
Aaron's Inc.	1,639,372	63,772
Dolby Laboratories Inc. Class A	1,280,539	62,695
Nexstar Media Group Inc. Class A	1,039,628	62,170
Graham Holdings Co. Class B	101,698	60,983
* Murphy USA Inc.	809,064	59,960
^* Five Below Inc.	1,212,817	59,877
Marriott Vacations Worldwide Corp.	504,773	59,437
Sinclair Broadcast Group Inc. Class A	1,783,766	58,686
* Hawaiian Holdings Inc.	1,248,559	58,620
* Lions Gate Entertainment Corp. Class B	2,215,154	58,214
* Hilton Grand Vacations Inc.	1,608,074	57,987
^* Stamps.com Inc.	372,306	57,661
John Wiley & Sons Inc. Class A	1,056,565	55,734
* Sotheby's	1,037,677	55,692
Choice Hotels International Inc.	846,137	54,364
Meredith Corp.	910,327	54,119
Regal Entertainment Group Class A	2,610,084	53,402
Cheesecake Factory Inc.	1,061,172	53,377
^* Yelp Inc. Class A	1,769,274	53,114
New York Times Co. Class A	2,983,536	52,809
* Performance Food Group Co.	1,909,083	52,309
PriceSmart Inc.	592,779	51,927
GameStop Corp. Class A	2,339,607	50,559
AMERCO	137,305	50,262
Lithia Motors Inc. Class A	530,880	50,025
Big Lots Inc.	1,033,918	49,938
^ Signet Jewelers Ltd.	789,272	49,914
* Adtalem Global Education Inc.	1,308,715	49,666
* WebMD Health Corp.	842,784	49,429
* Ollie's Bargain Outlet Holdings Inc.	1,156,974	49,287
Churchill Downs Inc.	267,754	49,079
* Caesars Acquisition Co. Class A	2,575,336	49,060
* Michaels Cos. Inc.	2,602,112	48,191

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	Shares	Market Value (\$000)
^* Avis Budget Group Inc.	1,757,005	47,913
^* Pandora Media Inc.	5,365,433	47,860
* Buffalo Wild Wings Inc.	372,693	47,220
Hillenbrand Inc.	1,302,842	47,033
Papa John's International Inc.	636,536	45,678
Boyd Gaming Corp.	1,829,486	45,390
Planet Fitness Inc. Class A	1,926,013	44,953
* Acxiom Corp.	1,717,152	44,612
^* Cars.com Inc.	1,667,829	44,414
^* RH	686,953	44,322
American Eagle Outfitters Inc.	3,676,489	44,302
Bloomin' Brands Inc.	2,082,692	44,216
Brinker International Inc.	1,125,726	42,890
* United Natural Foods Inc.	1,161,785	42,637
Matthews International Corp. Class A	693,685	42,488
Allegiant Travel Co. Class A	310,626	42,121
* SiteOne Landscape Supply Inc.	783,369	40,782
* Penn National Gaming Inc.	1,890,598	40,459
SkyWest Inc.	1,134,121	39,808
Children's Place Inc.	385,620	39,372
* Groupon Inc. Class A	9,652,391	37,065
Red Rock Resorts Inc. Class A	1,561,086	36,764
* Shutterfly Inc.	757,024	35,959
Penske Automotive Group Inc.	816,478	35,852
* Etsy Inc.	2,367,572	35,514
^ Lions Gate Entertainment Corp. Class A	1,244,755	35,127
* AutoNation Inc.	816,617	34,429
Core-Mark Holding Co. Inc.	1,011,615	33,444
Bob Evans Farms Inc.	457,831	32,886
* Urban Outfitters Inc.	1,741,063	32,279
* Scientific Games Corp. Class A	1,234,380	32,217
* MSG Networks Inc.	1,408,382	31,618
^* Trade Desk Inc. Class A	630,011	31,570
^* JC Penney Co. Inc.	6,721,495	31,255
Morningstar Inc.	398,234	31,198
Group 1 Automotive Inc.	487,529	30,870
Time Inc.	2,140,876	30,722
* TrueCar Inc.	1,530,288	30,499
* Houghton Mifflin Harcourt Co.	2,402,041	29,545
Monro Muffler Brake Inc.	706,697	29,505
* La Quinta Holdings Inc.	1,971,211	29,115
Chico's FAS Inc.	2,951,192	27,800
Caleres Inc.	981,869	27,276
* Rush Enterprises Inc. Class A	728,192	27,074
AMC Entertainment Holdings Inc. Class A	1,164,299	26,488
DSW Inc. Class A	1,491,112	26,393
* Belmond Ltd. Class A	1,971,461	26,220
^ SeaWorld Entertainment Inc.	1,608,540	26,171
* Pinnacle Entertainment Inc.	1,278,958	25,272
* Asbury Automotive Group Inc.	431,927	24,425
Sonic Corp.	921,361	24,407
HSN Inc.	756,835	24,143
^* Weight Watchers International Inc.	700,912	23,424
* EW Scripps Co. Class A	1,289,910	22,973
* Herc Holdings Inc.	582,515	22,904
Strayer Education Inc.	243,468	22,696
Gannett Co. Inc.	2,590,780	22,592
Capella Education Co.	249,287	21,339
Scholastic Corp.	488,641	21,300
International Speedway Corp. Class A	547,205	20,548
Abercrombie & Fitch Co.	1,646,685	20,485
^* Liberty Media Corp-Liberty Formula One Class A	573,666	20,095
* SUPERVALU Inc.	6,083,036	20,013
ClubCorp Holdings Inc.	1,514,093	19,835

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	Shares	Market Value (\$000)
^ Dillard's Inc. Class A	339,933	19,611
* Liberty TripAdvisor Holdings Inc. Class A	1,663,310	19,294
^ Wingstop Inc.	622,114	19,223
* Quotient Technology Inc.	1,634,284	18,794
* BJ's Restaurants Inc.	479,308	17,854
* Caesars Entertainment Corp.	1,430,985	17,172
World Wrestling Entertainment Inc. Class A	841,472	17,141
Tile Shop Holdings Inc.	829,426	17,128
DineEquity Inc.	384,857	16,953
Guess? Inc.	1,309,101	16,730
^.* Lumber Liquidators Holdings Inc.	654,636	16,405
^.* Diplomat Pharmacy Inc.	1,065,193	15,765
New Media Investment Group Inc.	1,141,324	15,385
^.* Shake Shack Inc. Class A	440,181	15,353
^.* Hertz Global Holdings Inc.	1,333,802	15,339
* K12 Inc.	847,783	15,192
Rent-A-Center Inc.	1,229,748	14,413
* Bankrate Inc.	1,111,442	14,282
* Genesco Inc.	414,817	14,062
* Laureate Education Inc. Class A	773,959	13,567
Tailored Brands Inc.	1,199,718	13,389
^ GNC Holdings Inc. Class A	1,479,472	12,472
* Express Inc.	1,840,169	12,421
^.* Angie's List Inc.	948,536	12,132
Sonic Automotive Inc. Class A	608,627	11,838
^.* Party City Holdco Inc.	737,938	11,549
Buckle Inc.	640,609	11,403
Weis Markets Inc.	232,157	11,311
Barnes & Noble Inc.	1,431,207	10,877
National CineMedia Inc.	1,464,493	10,866
Finish Line Inc. Class A	760,537	10,777
* Fiesta Restaurant Group Inc.	515,707	10,649
* Biglari Holdings Inc.	25,856	10,336
* Francesca's Holdings Corp.	938,333	10,265
^.* Ascena Retail Group Inc.	4,577,934	9,843
^.* Hibbett Sports Inc.	466,813	9,686
Pier 1 Imports Inc.	1,863,312	9,671
* Barnes & Noble Education Inc.	870,833	9,257
* American Public Education Inc.	382,888	9,055
Emerald Expositions Events Inc.	412,742	9,039
* Regis Corp.	868,710	8,922
Cato Corp. Class A	506,924	8,917
* FTD Cos. Inc.	412,160	8,243
^ Fred's Inc. Class A	888,849	8,204
* Clean Energy Fuels Corp.	3,101,900	7,879
* Habit Restaurants Inc. Class A	481,215	7,603
* El Pollo Loco Holdings Inc.	539,863	7,477
* Bridgepoint Education Inc.	473,290	6,986
* Bojangles' Inc.	419,190	6,812
* Zumiez Inc.	476,789	5,888
* Rush Enterprises Inc. Class B	161,536	5,881
^.* Smart & Final Stores Inc.	636,608	5,793
Speedway Motorsports Inc.	315,186	5,758
^.* Lands' End Inc.	336,344	5,011
Clear Channel Outdoor Holdings Inc. Class A	977,302	4,740
^.* Sears Holdings Corp.	470,100	4,165
* Potbelly Corp.	222,477	2,558
* Vitamin Shoppe Inc.	217,641	2,535
* Blue Apron Holdings Inc. Class A	194,749	1,819
* Global Eagle Entertainment Inc.	493,756	1,758
* Drive Shack Inc.	240	1
		9,037,631

Financials (26.1%)

CBOE Holdings Inc.	2,632,931	240,650
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	Shares	Market Value (\$000)
East West Bancorp Inc.	3,381,674	198,098
* Signature Bank	1,210,659	173,766
Kilroy Realty Corp.	2,289,487	172,055
Colony NorthStar Inc. Class A	12,173,585	171,526
MarketAxess Holdings Inc.	830,390	166,991
Equity LifeStyle Properties Inc.	1,929,872	166,625
American Financial Group Inc.	1,650,006	163,961
WP Carey Inc.	2,480,634	163,747
Apartment Investment & Management Co.	3,670,592	157,725
Gaming and Leisure Properties Inc.	4,133,606	155,713
^ Omega Healthcare Investors Inc.	4,578,804	151,192
American Campus Communities Inc.	3,117,791	147,472
Sun Communities Inc.	1,645,055	144,255
Lamar Advertising Co. Class A	1,944,595	143,064
Liberty Property Trust	3,436,912	139,917
Healthcare Trust of America Inc. Class A	4,457,712	138,679
Starwood Property Trust Inc.	6,139,443	137,462
National Retail Properties Inc.	3,461,405	135,341
RenaissanceRe Holdings Ltd.	953,279	132,553
Bank of the Ozarks	2,828,070	132,552
Douglas Emmett Inc.	3,432,139	131,142
PacWest Bancorp	2,789,537	130,271
Forest City Realty Trust Inc. Class A	5,351,655	129,350
^,* Janus Henderson Group plc	3,877,673	128,390
Cullen/Frost Bankers Inc.	1,345,019	126,311
Hudson Pacific Properties Inc.	3,638,654	124,406
EPR Properties	1,715,190	123,271
Commerce Bancshares Inc.	2,160,659	122,790
Synovus Financial Corp.	2,745,669	121,468
Highwoods Properties Inc.	2,391,224	121,259
Eaton Vance Corp.	2,546,407	120,496
Brown & Brown Inc.	2,790,692	120,195
* Zillow Group Inc.	2,450,599	120,104
Assured Guaranty Ltd.	2,841,012	118,584
American Homes 4 Rent Class A	5,114,441	115,433
First American Financial Corp.	2,570,443	114,873
DCT Industrial Trust Inc.	2,144,754	114,616
Old Republic International Corp.	5,820,317	113,671
Senior Housing Properties Trust	5,521,787	112,865
Webster Financial Corp.	2,151,924	112,373
New Residential Investment Corp.	7,158,388	111,385
Navient Corp.	6,684,967	111,305
DuPont Fabros Technology Inc.	1,811,411	110,786
* Western Alliance Bancorp	2,217,258	109,089
Medical Properties Trust Inc.	8,463,256	108,922
* SVB Financial Group	615,816	108,254
CyrusOne Inc.	1,936,310	107,949
Pinnacle Financial Partners Inc.	1,701,146	106,832
FNB Corp.	7,509,452	106,334
Hospitality Properties Trust	3,625,464	105,682
Realogy Holdings Corp.	3,251,587	105,514
Gramercy Property Trust	3,531,083	104,909
Allied World Assurance Co. Holdings AG	1,970,649	104,247
* Howard Hughes Corp.	845,380	103,847
CubeSmart	4,176,869	100,412
Colony Starwood Homes	2,908,483	99,790
Wintrust Financial Corp.	1,301,429	99,481
Prosperity Bancshares Inc.	1,544,232	99,201
Popular Inc.	2,376,596	99,128
Uniti Group Inc.	3,898,478	98,008
IBERIABANK Corp.	1,195,534	97,436
* MGIC Investment Corp.	8,647,648	96,854
Hancock Holding Co.	1,975,985	96,823
First Horizon National Corp.	5,481,001	95,479

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	Shares	Market Value (\$000)
Umpqua Holdings Corp.	5,126,178	94,117
* Liberty Ventures Class A	1,790,264	93,613
* Equity Commonwealth	2,937,243	92,817
Healthcare Realty Trust Inc.	2,708,526	92,496
Apple Hospitality REIT Inc.	4,940,234	92,432
Validus Holdings Ltd.	1,754,761	91,195
United Bankshares Inc.	2,315,563	90,770
Associated Banc-Corp	3,574,887	90,087
* Texas Capital Bancshares Inc.	1,155,149	89,409
STORE Capital Corp.	3,960,552	88,914
Park Hotels & Resorts Inc.	3,262,061	87,945
Hanover Insurance Group Inc.	986,939	87,472
Rayonier Inc.	3,006,890	86,508
Cousins Properties Inc.	9,805,778	86,193
GEO Group Inc.	2,888,075	85,400
Weingarten Realty Investors	2,818,355	84,833
LPL Financial Holdings Inc.	1,995,997	84,750
BankUnited Inc.	2,490,817	83,965
Physicians Realty Trust	4,130,370	83,186
CNO Financial Group Inc.	3,971,997	82,935
Spirit Realty Capital Inc.	11,177,778	82,827
Sunstone Hotel Investors Inc.	5,136,834	82,806
Bank of Hawaii Corp.	997,966	82,801
Investors Bancorp Inc.	6,173,203	82,474
CoreSite Realty Corp.	795,558	82,364
Radian Group Inc.	5,017,691	82,039
MB Financial Inc.	1,850,281	81,486
Corporate Office Properties Trust	2,315,193	81,101
Two Harbors Investment Corp.	8,154,248	80,809
Primerica Inc.	1,057,213	80,084
Taubman Centers Inc.	1,341,082	79,861
Life Storage Inc.	1,075,281	79,678
Chemical Financial Corp.	1,645,113	79,640
LaSalle Hotel Properties	2,635,180	78,528
UMB Financial Corp.	1,042,005	78,005
First Industrial Realty Trust Inc.	2,724,149	77,965
MFA Financial Inc.	9,275,763	77,824
Legg Mason Inc.	2,037,879	77,765
Fulton Financial Corp.	4,074,438	77,414
Chimera Investment Corp.	4,146,383	77,247
Empire State Realty Trust Inc.	3,677,691	76,386
CoreCivic Inc.	2,741,627	75,614
Home BancShares Inc.	3,010,379	74,958
ProAssurance Corp.	1,228,215	74,675
Outfront Media Inc.	3,213,650	74,300
White Mountains Insurance Group Ltd.	85,230	74,033
Erie Indemnity Co. Class A	586,860	73,399
Paramount Group Inc.	4,578,836	73,261
National Health Investors Inc.	917,027	72,629
Brandywine Realty Trust	4,073,274	71,405
Piedmont Office Realty Trust Inc. Class A	3,365,019	70,935
^.* Credit Acceptance Corp.	274,353	70,547
Aspen Insurance Holdings Ltd.	1,394,661	69,524
Sterling Bancorp	2,987,174	69,452
* Stifel Financial Corp.	1,506,286	69,259
Valley National Bancorp	5,845,296	69,033
Washington Federal Inc.	2,077,607	68,977
Cathay General Bancorp	1,782,190	67,634
Selective Insurance Group Inc.	1,349,129	67,524
* SLM Corp.	5,826,988	67,010
Blackstone Mortgage Trust Inc. Class A	2,111,780	66,732
Retail Properties of America Inc.	5,458,181	66,644
BGC Partners Inc. Class A	5,250,503	66,366
Assurant Inc.	639,132	66,272

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	Shares	Market Value (\$000)
^ Education Realty Trust Inc.	1,689,290	65,460
DDR Corp.	7,204,146	65,342
Ryman Hospitality Properties Inc.	1,011,656	64,756
Glacier Bancorp Inc.	1,767,003	64,690
* Essent Group Ltd.	1,740,846	64,655
First Financial Bankshares Inc.	1,443,351	63,796
Columbia Property Trust Inc.	2,835,267	63,453
EastGroup Properties Inc.	754,353	63,215
FirstCash Inc.	1,067,837	62,255
First Midwest Bancorp Inc.	2,614,745	60,950
* Zillow Group Inc. Class A	1,234,839	60,310
Federated Investors Inc. Class B	2,132,189	60,234
Community Bank System Inc.	1,068,445	59,587
PS Business Parks Inc.	446,436	59,104
BancorpSouth Inc.	1,907,094	58,166
Tanger Factory Outlet Centers Inc.	2,223,489	57,766
* Blackhawk Network Holdings Inc.	1,319,383	57,525
TCF Financial Corp.	3,586,201	57,164
Washington REIT	1,786,958	57,004
STAG Industrial Inc.	2,062,550	56,926
Interactive Brokers Group Inc.	1,499,290	56,103
Great Western Bancorp Inc.	1,362,809	55,616
Hope Bancorp Inc.	2,964,285	55,284
* HealthEquity Inc.	1,108,739	55,248
South State Corp.	643,022	55,107
CVB Financial Corp.	2,452,608	55,012
RLJ Lodging Trust	2,742,373	54,491
Evercore Partners Inc. Class A	767,731	54,125
Acadia Realty Trust	1,941,171	53,965
Old National Bancorp	3,120,338	53,826
Columbia Banking System Inc.	1,349,682	53,785
American National Insurance Co.	460,937	53,695
Urban Edge Properties	2,224,696	52,792
First Citizens BancShares Inc. Class A	140,283	52,284
RLI Corp.	957,090	52,276
Care Capital Properties Inc.	1,948,284	52,019
^ Pebblebrook Hotel Trust	1,612,903	52,000
American Equity Investment Life Holding Co.	1,953,531	51,339
DiamondRock Hospitality Co.	4,654,406	50,966
Financial Engines Inc.	1,383,687	50,643
Mack-Cali Realty Corp.	1,863,647	50,579
QTS Realty Trust Inc. Class A	948,398	49,630
* HRG Group Inc.	2,801,368	49,612
Retail Opportunity Investments Corp.	2,520,328	48,365
Xenia Hotels & Resorts Inc.	2,470,918	47,862
Trustmark Corp.	1,483,463	47,708
* LendingClub Corp.	8,596,727	47,368
* Eagle Bancorp Inc.	747,107	47,292
LTC Properties Inc.	912,498	46,893
BOK Financial Corp.	538,388	45,295
International Bancshares Corp.	1,274,865	44,684
Alexander & Baldwin Inc.	1,077,558	44,589
* FCB Financial Holdings Inc. Class A	933,761	44,587
Hilltop Holdings Inc.	1,692,738	44,367
Renasant Corp.	997,717	43,640
* Genworth Financial Inc. Class A	11,533,319	43,481
Invesco Mortgage Capital Inc.	2,586,942	43,228
United Community Banks Inc.	1,551,055	43,119
Potlatch Corp.	937,396	42,839
Astoria Financial Corp.	2,123,444	42,787
Kennedy-Wilson Holdings Inc.	2,239,194	42,657
Lexington Realty Trust	4,246,827	42,086
^ Government Properties Income Trust	2,236,201	40,945
Capitol Federal Financial Inc.	2,876,447	40,874

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	Shares	Market Value (\$000)
Banner Corp.	722,288	40,817
Argo Group International Holdings Ltd.	657,959	39,872
* Quality Care Properties Inc.	2,164,273	39,628
Towne Bank	1,272,830	39,203
Independent Bank Corp.	588,122	39,198
* PRA Group Inc.	1,028,746	38,990
* Green Dot Corp. Class A	991,009	38,184
ServisFirst Bancshares Inc.	1,029,880	37,992
LegacyTexas Financial Group Inc.	987,055	37,636
* Enstar Group Ltd.	188,999	37,545
Monogram Residential Trust Inc.	3,855,857	37,440
WesBanco Inc.	944,889	37,361
American Assets Trust Inc.	943,862	37,179
First Financial Bancorp	1,339,355	37,100
Horace Mann Educators Corp.	965,289	36,488
NBT Bancorp Inc.	981,559	36,269
Kemper Corp.	934,289	36,064
Kite Realty Group Trust	1,892,405	35,823
^ Waddell & Reed Financial Inc. Class A	1,891,165	35,705
Washington Prime Group Inc.	4,251,620	35,586
First Hawaiian Inc.	1,153,623	35,324
^ Sabra Health Care REIT Inc.	1,435,941	34,606
Provident Financial Services Inc.	1,357,485	34,453
New York REIT Inc.	3,972,963	34,326
Artisan Partners Asset Management Inc. Class A	1,117,921	34,320
Mercury General Corp.	634,909	34,285
Simmons First National Corp. Class A	641,913	33,957
Select Income REIT	1,409,733	33,876
Global Net Lease Inc.	1,509,224	33,565
^ CBL & Associates Properties Inc.	3,938,669	33,203
Northwest Bancshares Inc.	2,107,168	32,893
Westamerica Bancorporation	585,453	32,809
* Santander Consumer USA Holdings Inc.	2,560,279	32,669
Navigators Group Inc.	595,011	32,666
Chesapeake Lodging Trust	1,300,909	31,833
* Walker & Dunlop Inc.	649,999	31,739
Redwood Trust Inc.	1,841,330	31,376
Berkshire Hills Bancorp Inc.	892,031	31,355
^.* BofI Holding Inc.	1,321,466	31,345
CareTrust REIT Inc.	1,676,054	31,074
Employers Holdings Inc.	733,556	31,029
* OneMain Holdings Inc. Class A	1,251,936	30,785
HFF Inc. Class A	877,001	30,493
Park National Corp.	291,649	30,250
Boston Private Financial Holdings Inc.	1,898,376	29,140
CYS Investments Inc.	3,441,820	28,946
* KCG Holdings Inc. Class A	1,412,277	28,161
^.* Black Knight Financial Services Inc. Class A	675,746	27,672
First Commonwealth Financial Corp.	2,174,066	27,567
WisdomTree Investments Inc.	2,680,630	27,262
Franklin Street Properties Corp.	2,452,159	27,170
Tompkins Financial Corp.	344,220	27,097
S&T Bancorp Inc.	746,234	26,760
* MBIA Inc.	2,823,074	26,622
PennyMac Mortgage Investment Trust	1,453,501	26,585
Kearny Financial Corp.	1,766,840	26,238
NRG Yield Inc.	1,465,906	25,800
Capital Bank Financial Corp.	673,913	25,676
^ AmTrust Financial Services Inc.	1,653,452	25,033
Beneficial Bancorp Inc.	1,648,062	24,721
Ramco-Gershenson Properties Trust	1,913,744	24,687
National General Holdings Corp.	1,154,430	24,359
* First BanCorp	4,202,787	24,334
Capstead Mortgage Corp.	2,322,840	24,227

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	Shares	Market Value (\$000)
* FNFV Group	1,527,539	24,135
Brookline Bancorp Inc.	1,647,355	24,051
Moelis & Co. Class A	615,903	23,928
^ ARMOUR Residential REIT Inc.	955,678	23,892
First Interstate BancSystem Inc. Class A	641,938	23,880
Safety Insurance Group Inc.	348,729	23,818
Universal Health Realty Income Trust	297,083	23,630
Ladder Capital Corp. Class A	1,729,812	23,197
Parkway Inc.	1,009,818	23,115
State Bank Financial Corp.	847,696	22,990
FelCor Lodging Trust Inc.	3,185,600	22,968
City Holding Co.	345,086	22,731
Apollo Commercial Real Estate Finance Inc.	1,216,520	22,566
Infinity Property & Casualty Corp.	236,901	22,269
^.* Encore Capital Group Inc.	536,665	21,547
Nelnet Inc. Class A	457,840	21,523
TFS Financial Corp.	1,376,395	21,293
MTGE Investment Corp.	1,111,823	20,902
Rexford Industrial Realty Inc.	757,696	20,791
Alexander's Inc.	49,323	20,788
^ Seritage Growth Properties Class A	487,475	20,450
Cohen & Steers Inc.	499,440	20,247
Central Pacific Financial Corp.	636,131	20,019
New Senior Investment Group Inc.	1,991,118	20,011
* St. Joe Co.	1,060,219	19,879
National Bank Holdings Corp. Class A	597,012	19,767
* iStar Inc.	1,639,249	19,737
* Third Point Reinsurance Ltd.	1,419,415	19,730
United Fire Group Inc.	443,483	19,540
Piper Jaffray Cos.	324,787	19,471
Ameris Bancorp	400,640	19,311
Maiden Holdings Ltd.	1,673,696	18,578
Investors Real Estate Trust	2,963,532	18,404
BancFirst Corp.	190,357	18,389
Pennsylvania REIT	1,606,534	18,186
Hersha Hospitality Trust Class A	964,589	17,855
Virtus Investment Partners Inc.	157,346	17,458
National Western Life Group Inc. Class A	54,179	17,317
Summit Hotel Properties Inc.	923,621	17,226
Northfield Bancorp Inc.	998,497	17,124
InfraREIT Inc.	888,310	17,011
Saul Centers Inc.	287,756	16,684
* Forestar Group Inc.	971,908	16,668
Oritani Financial Corp.	957,794	16,330
Investment Technology Group Inc.	754,522	16,026
Getty Realty Corp.	625,815	15,708
* LendingTree Inc.	90,076	15,511
* Greenlight Capital Re Ltd. Class A	723,077	15,112
Houlihan Lokey Inc. Class A	430,310	15,018
First Potomac Realty Trust	1,351,326	15,013
FBL Financial Group Inc. Class A	243,045	14,947
* Flagstar Bancorp Inc.	484,253	14,925
Altisource Residential Corp.	1,131,870	14,646
Dime Community Bancshares Inc.	731,672	14,341
Anworth Mortgage Asset Corp.	2,344,467	14,090
NRG Yield Inc. Class A	817,141	13,940
Urstadt Biddle Properties Inc. Class A	685,897	13,581
^.* Nationstar Mortgage Holdings Inc.	718,523	12,854
Ashford Hospitality Trust Inc.	1,999,686	12,158
Greenhill & Co. Inc.	579,048	11,639
^ Virtu Financial Inc. Class A	636,479	11,234
AG Mortgage Investment Trust Inc.	599,510	10,971
OFG Bancorp	1,092,425	10,924
* MoneyGram International Inc.	627,567	10,826

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	Shares	Market Value (\$000)
* Marcus & Millichap Inc.	382,543	10,084
State Auto Financial Corp.	364,490	9,378
OneBeacon Insurance Group Ltd. Class A	507,863	9,258
Fidelity & Guaranty Life	292,684	9,088
* PennyMac Financial Services Inc. Class A	505,794	8,447
RMR Group Inc. Class A	170,768	8,308
* Ambac Financial Group Inc.	449,515	7,799
* World Acceptance Corp.	103,663	7,765
* Tejon Ranch Co.	365,746	7,549
NewStar Financial Inc.	565,664	5,939
^.* Altisource Portfolio Solutions SA	269,747	5,886
* Ocwen Financial Corp.	1,964,542	5,285
KKR Real Estate Finance Trust Inc.	245,647	5,281
* EZCORP Inc. Class A	671,339	5,169
Canadian Imperial Bank of Commerce	47,055	3,819
GAMCO Investors Inc. Class A	126,424	3,742
Associated Capital Group Inc. Class A	99,379	3,379
Ashford Hospitality Prime Inc.	284,040	2,923
Hamilton Lane Inc. Class A	95,935	2,110
^.* On Deck Capital Inc.	395,364	1,842
Urstadt Biddle Properties Inc.	60,523	1,044
Regency Centers Corp.	5	—
		20,051,957
Health Care (10.3%)		
Teleflex Inc.	1,044,181	216,939
* WellCare Health Plans Inc.	1,033,932	185,653
* Exelixis Inc.	6,792,626	167,302
West Pharmaceutical Services Inc.	1,705,739	161,226
STERIS plc	1,967,068	160,316
* Alnylam Pharmaceuticals Inc.	1,904,777	151,925
* Bioerativ Inc.	2,510,027	151,028
* DexCom Inc.	2,015,049	147,401
^.* Ionis Pharmaceuticals Inc.	2,877,790	146,393
* ABIOMED Inc.	958,750	137,389
* United Therapeutics Corp.	1,044,834	135,546
* MEDNAX Inc.	2,155,566	130,132
* Align Technology Inc.	840,405	126,162
Hill-Rom Holdings Inc.	1,521,942	121,162
^.* Kite Pharma Inc.	1,114,817	115,573
* Charles River Laboratories International Inc.	1,108,697	112,145
* Bio-Rad Laboratories Inc. Class A	486,658	110,136
^.* Bluebird Bio Inc.	1,040,951	109,352
* PAREXEL International Corp.	1,181,894	102,718
Bio-Techne Corp.	866,583	101,823
* Alere Inc.	2,018,593	101,313
* Masimo Corp.	1,077,326	98,231
^.* Exact Sciences Corp.	2,743,421	97,035
* Catalent Inc.	2,746,398	96,399
HealthSouth Corp.	1,968,180	95,260
* Clovis Oncology Inc.	1,006,664	94,254
* Neurocrine Biosciences Inc.	2,036,496	93,679
^.* Acadia Healthcare Co. Inc.	1,827,581	90,246
* NuVasive Inc.	1,170,364	90,024
Patterson Cos. Inc.	1,909,357	89,644
* Envision Healthcare Corp.	1,357,839	85,096
* Integra LifeSciences Holdings Corp.	1,418,082	77,300
Healthcare Services Group Inc.	1,602,742	75,056
* Portola Pharmaceuticals Inc.	1,320,132	74,152
* INC Research Holdings Inc. Class A	1,256,086	73,481
* PRA Health Sciences Inc.	951,110	71,343
* Nektar Therapeutics Class A	3,642,444	71,210
Bruker Corp.	2,408,721	69,468
* Insulet Corp.	1,336,775	68,590
* Molina Healthcare Inc.	989,751	68,471

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	Shares	Market Value (\$000)
* Akorn Inc.	2,019,853	67,746
* VWR Corp.	1,990,595	65,710
* Prestige Brands Holdings Inc.	1,217,826	64,313
^* Puma Biotechnology Inc.	729,289	63,740
Cantel Medical Corp.	812,814	63,326
* Brookdale Senior Living Inc.	4,300,369	63,258
* Wright Medical Group NV	2,290,965	62,979
^* ACADIA Pharmaceuticals Inc.	2,254,415	62,876
* LifePoint Health Inc.	927,060	62,252
* Sage Therapeutics Inc.	777,987	61,959
^* TESARO Inc.	437,260	61,155
* ICU Medical Inc.	342,354	59,056
* Ironwood Pharmaceuticals Inc. Class A	3,076,766	58,089
* Neogen Corp.	830,445	57,392
^* Medicines Co.	1,499,175	56,984
* Ultragenyx Pharmaceutical Inc.	897,122	55,720
* Seattle Genetics Inc.	1,071,409	55,435
^* Juno Therapeutics Inc.	1,837,387	54,919
^* Penumbra Inc.	621,336	54,522
^* Ligand Pharmaceuticals Inc.	432,033	52,449
* Globus Medical Inc.	1,581,468	52,426
* Endo International plc	4,644,829	51,883
* Mallinckrodt plc	1,145,822	51,344
^* OPKO Health Inc.	7,724,144	50,825
* Agios Pharmaceuticals Inc.	958,992	49,340
* Haemonetics Corp.	1,203,764	47,537
^* Intercept Pharmaceuticals Inc.	384,928	46,603
* Horizon Pharma plc	3,853,329	45,739
* FibroGen Inc.	1,407,604	45,466
Owens & Minor Inc.	1,395,433	44,919
* Merit Medical Systems Inc.	1,119,483	42,708
^* Nevro Corp.	572,717	42,627
* Halyard Health Inc.	1,070,441	42,047
^* Radius Health Inc.	929,308	42,033
^* Sarepta Therapeutics Inc.	1,240,238	41,808
* Pacira Pharmaceuticals Inc.	876,105	41,790
* Magellan Health Inc.	557,108	40,613
^* Myriad Genetics Inc.	1,567,761	40,511
* NxStage Medical Inc.	1,553,767	38,953
* Select Medical Holdings Corp.	2,516,713	38,632
^* Theravance Biopharma Inc.	933,627	37,196
^* Tenet Healthcare Corp.	1,910,567	36,950
* Amedisys Inc.	579,467	36,396
* HMS Holdings Corp.	1,937,271	35,840
^* Avexis Inc.	435,813	35,806
^* Halozyme Therapeutics Inc.	2,732,277	35,028
* Spark Therapeutics Inc.	570,710	34,094
* Tivity Health Inc.	817,320	32,570
^* Teladoc Inc.	880,625	30,558
* Varex Imaging Corp.	898,577	30,372
^* Intrexon Corp.	1,231,429	29,665
CONMED Corp.	564,596	28,761
* Momenta Pharmaceuticals Inc.	1,628,689	27,525
* Impax Laboratories Inc.	1,695,480	27,297
^* Novocure Ltd.	1,522,248	26,335
* Community Health Systems Inc.	2,624,274	26,138
Abaxis Inc.	483,654	25,643
* LHC Group Inc.	373,662	25,368
* Emergent BioSolutions Inc.	746,107	25,300
Ensign Group Inc.	1,160,620	25,267
^* Innoviva Inc.	1,845,867	23,627
* Supernus Pharmaceuticals Inc.	547,125	23,581
^* Global Blood Therapeutics Inc.	855,790	23,406
Kindred Healthcare Inc.	1,959,092	22,823

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	Shares	Market Value (\$000)
* Acorda Therapeutics Inc.	1,124,211	22,147
^* Glaukos Corp.	529,048	21,940
Analogic Corp.	301,852	21,930
^* Synergy Pharmaceuticals Inc.	4,889,015	21,756
* Aerie Pharmaceuticals Inc.	398,714	20,952
* Orthofix International NV	408,679	18,995
Luminex Corp.	895,082	18,904
* Inogen Inc.	186,097	17,757
^* Amicus Therapeutics Inc.	1,736,922	17,491
* Quidel Corp.	642,237	17,430
^* Array BioPharma Inc.	2,065,076	17,285
^* Lexicon Pharmaceuticals Inc.	1,010,498	16,623
Meridian Bioscience Inc.	1,032,282	16,258
* HealthStream Inc.	617,183	16,244
^* Lannett Co. Inc.	773,135	15,772
National HealthCare Corp.	222,751	15,624
^* AMAG Pharmaceuticals Inc.	847,066	15,586
^* Epizyme Inc.	1,005,987	15,190
* Genomic Health Inc.	462,825	15,065
^* Aimmune Therapeutics Inc.	731,700	15,044
* Natus Medical Inc.	385,935	14,395
^* Keryx Biopharmaceuticals Inc.	1,956,936	14,149
* Spectrum Pharmaceuticals Inc.	1,796,854	13,387
* Achillion Pharmaceuticals Inc.	2,893,895	13,283
* Arena Pharmaceuticals Inc.	747,313	12,607
* Accelaron Pharma Inc.	395,220	12,011
^* Alder Biopharmaceuticals Inc.	1,042,918	11,941
* Insmed Inc.	673,244	11,553
* CorVel Corp.	238,025	11,294
^* Editas Medicine Inc.	657,432	11,032
* Surgery Partners Inc.	483,941	11,010
^* TherapeuticsMD Inc.	1,986,904	10,471
^* Intra-Cellular Therapies Inc. Class A	814,560	10,117
Invacare Corp.	757,080	9,993
^* Endologix Inc.	1,955,636	9,504
* Accuray Inc.	1,965,943	9,338
^* ZIOPHARM Oncology Inc.	1,493,512	9,290
^* Insys Therapeutics Inc.	717,654	9,078
* Five Prime Therapeutics Inc.	295,571	8,900
* PDL BioPharma Inc.	3,542,206	8,749
* PTC Therapeutics Inc.	442,338	8,108
^* Aduro Biotech Inc.	676,099	7,708
* Natera Inc.	694,254	7,540
^* Celldex Therapeutics Inc.	2,973,380	7,344
* Depomed Inc.	617,195	6,629
^* Medpace Holdings Inc.	216,129	6,268
^* Seres Therapeutics Inc.	525,031	5,933
* Intellia Therapeutics Inc.	341,157	5,458
^* American Renal Associates Holdings Inc.	285,516	5,296
^* Novavax Inc.	2,978,286	3,425
^* NantKwest Inc.	241,556	1,833
Merrimack Pharmaceuticals Inc.	1,206,476	1,496
* Cempira Inc.	200	1
* ConforMIS Inc.	144	1
* Ophthotech Corp.	152	—
		7,924,938
Industrials (19.7%)		
Packaging Corp. of America	2,193,244	244,305
Broadridge Financial Solutions Inc.	2,742,677	207,237
IDEX Corp.	1,778,275	200,963
* CoStar Group Inc.	760,146	200,375
AO Smith Corp.	3,419,876	192,642
Jack Henry & Associates Inc.	1,828,140	189,889
Allegion plc	2,219,869	180,076

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	Shares	Market Value (\$000)
PerkinElmer Inc.	2,562,857	174,633
Lennox International Inc.	941,696	172,933
* Berry Global Group Inc.	3,018,918	172,109
* XPO Logistics Inc.	2,597,698	167,889
* Keysight Technologies Inc.	4,298,100	167,325
Toro Co.	2,390,459	165,635
Cognex Corp.	1,919,173	162,938
Spirit AeroSystems Holdings Inc. Class A	2,803,762	162,450
Old Dominion Freight Line Inc.	1,545,980	147,239
* HD Supply Holdings Inc.	4,691,798	143,710
Carlisle Cos. Inc.	1,502,728	143,360
Graco Inc.	1,293,451	141,348
Donaldson Co. Inc.	3,074,291	140,003
Nordson Corp.	1,139,393	138,231
Orbital ATK Inc.	1,342,760	132,074
* Coherent Inc.	572,971	128,913
* TransUnion	2,943,334	127,476
Lincoln Electric Holdings Inc.	1,379,232	127,014
* IPG Photonics Corp.	873,990	126,816
AptarGroup Inc.	1,455,767	126,448
* Zebra Technologies Corp.	1,227,274	123,366
Oshkosh Corp.	1,737,356	119,669
MDU Resources Group Inc.	4,542,009	119,001
Sonoco Products Co.	2,312,514	118,909
* AECOM	3,609,300	116,689
* Quanta Services Inc.	3,456,503	113,788
Hexcel Corp.	2,117,230	111,769
Jabil Inc.	3,820,962	111,534
National Instruments Corp.	2,722,177	109,486
Watsco Inc.	708,770	109,292
Universal Display Corp.	983,064	107,400
BWX Technologies Inc.	2,202,616	107,378
Booz Allen Hamilton Holding Corp. Class A	3,272,043	106,472
AGCO Corp.	1,574,756	106,123
* Euronet Worldwide Inc.	1,160,067	101,355
Huntington Ingalls Industries Inc.	536,797	99,930
Graphic Packaging Holding Co.	7,198,225	99,192
Trinity Industries Inc.	3,523,701	98,769
Bemis Co. Inc.	2,134,557	98,723
* WEX Inc.	945,655	98,603
Eagle Materials Inc.	1,065,908	98,511
* Genesee & Wyoming Inc. Class A	1,431,909	97,928
MAXIMUS Inc.	1,507,668	94,425
* Teledyne Technologies Inc.	737,406	94,130
Crane Co.	1,184,121	93,996
* Owens-Illinois Inc.	3,776,064	90,323
MSC Industrial Direct Co. Inc. Class A	1,048,341	90,115
EMCOR Group Inc.	1,375,852	89,953
Ryder System Inc.	1,246,824	89,746
Genpact Ltd.	3,137,945	87,329
Littelfuse Inc.	525,145	86,649
Woodward Inc.	1,280,523	86,538
* CoreLogic Inc.	1,965,400	85,259
Air Lease Corp. Class A	2,271,827	84,875
Curtiss-Wright Corp.	924,038	84,808
Regal Beloit Corp.	1,034,645	84,375
Landstar System Inc.	983,449	84,183
* Kirby Corp.	1,256,110	83,971
ITT Inc.	2,049,726	82,358
* Louisiana-Pacific Corp.	3,346,452	80,683
Valmont Industries Inc.	526,229	78,724
Deluxe Corp.	1,115,714	77,230
Terex Corp.	2,037,059	76,390
Timken Co.	1,625,326	75,171

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	Shares	Market Value (\$000)
Brink's Co.	1,112,349	74,527
Belden Inc.	977,613	73,741
* Conduent Inc.	4,605,574	73,413
* Colfax Corp.	1,852,152	72,919
EnerSys	1,005,078	72,818
John Bean Technologies Corp.	733,515	71,885
* Summit Materials Inc. Class A	2,459,609	71,009
Kennametal Inc.	1,866,984	69,863
* MasTec Inc.	1,535,276	69,318
Barnes Group Inc.	1,181,498	69,153
* Sanmina Corp.	1,746,631	66,547
* Clean Harbors Inc.	1,184,407	66,125
* Esterline Technologies Corp.	688,822	65,300
* WESCO International Inc.	1,129,754	64,735
MSA Safety Inc.	787,658	63,934
^,* USG Corp.	2,191,842	63,607
* On Assignment Inc.	1,158,194	62,716
Knight Transportation Inc.	1,684,650	62,416
World Fuel Services Corp.	1,600,676	61,546
* WageWorks Inc.	915,037	61,491
* Itron Inc.	894,884	60,628
Tetra Tech Inc.	1,317,333	60,268
* KLX Inc.	1,197,010	59,851
GATX Corp.	901,484	57,938
* MACOM Technology Solutions Holdings Inc.	1,035,499	57,750
HEICO Corp.	795,915	57,179
Avnet Inc.	1,454,532	56,552
FLIR Systems Inc.	1,587,477	55,022
* RBC Bearings Inc.	523,979	53,320
HEICO Corp. Class A	857,056	53,180
* Moog Inc. Class A	740,945	53,141
Applied Industrial Technologies Inc.	899,870	53,137
ABM Industries Inc.	1,279,094	53,108
* Rexnord Corp.	2,271,294	52,808
Silgan Holdings Inc.	1,656,997	52,659
* Generac Holdings Inc.	1,442,049	52,101
* Masonite International Corp.	686,885	51,860
Convergys Corp.	2,170,368	51,611
Vishay Intertechnology Inc.	3,089,851	51,292
* Anixter International Inc.	649,729	50,809
^,* Cimpres NV	534,552	50,531
KBR Inc.	3,316,140	50,472
UniFirst Corp.	353,903	49,794
* Swift Transportation Co.	1,845,660	48,910
* Advisory Board Co.	939,779	48,399
* DigitalGlobe Inc.	1,431,987	47,685
^ Chicago Bridge & Iron Co. NV	2,395,654	47,266
* II-VI Inc.	1,345,979	46,167
* Trex Co. Inc.	680,246	46,025
* Rogers Corp.	419,734	45,592
* Armstrong World Industries Inc.	988,618	45,476
* TopBuild Corp.	850,758	45,150
Granite Construction Inc.	917,122	44,242
* NeuStar Inc. Class A	1,315,552	43,874
* AMN Healthcare Services Inc.	1,103,151	43,078
Mueller Water Products Inc. Class A	3,674,609	42,919
* ExlService Holdings Inc.	738,615	41,052
Korn/Ferry International	1,182,691	40,838
* Plexus Corp.	775,751	40,781
Universal Forest Products Inc.	462,776	40,405
Simpson Manufacturing Co. Inc.	921,155	40,264
Watts Water Technologies Inc. Class A	635,974	40,194
* Benchmark Electronics Inc.	1,171,761	37,848
Mueller Industries Inc.	1,233,017	37,545

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	Shares	Market Value (\$000)
Apogee Enterprises Inc.	659,464	37,484
Franklin Electric Co. Inc.	900,363	37,275
^* Proto Labs Inc.	549,350	36,944
Forward Air Corp.	692,663	36,905
* TTM Technologies Inc.	2,120,761	36,816
^* Ambarella Inc.	752,659	36,542
EnPro Industries Inc.	508,152	36,267
Covanta Holding Corp.	2,694,242	35,564
Otter Tail Corp.	897,182	35,528
* Meritor Inc.	2,113,965	35,113
Brady Corp. Class A	1,028,227	34,857
Albany International Corp.	652,041	34,819
^* Knowles Corp.	2,055,742	34,783
Exponent Inc.	594,930	34,684
Triton International Ltd.	1,034,542	34,595
* Cardtronics plc Class A	1,049,929	34,501
Triumph Group Inc.	1,088,088	34,384
* Imperva Inc.	706,988	33,829
* SPX FLOW Inc.	915,742	33,773
ESCO Technologies Inc.	558,225	33,298
Actuant Corp. Class A	1,348,076	33,163
Methode Electronics Inc.	801,310	33,014
Greif Inc. Class A	591,847	33,013
AAON Inc.	894,683	32,969
AZZ Inc.	589,614	32,900
* FTI Consulting Inc.	940,722	32,888
* Integer Holdings Corp.	741,448	32,068
Comfort Systems USA Inc.	854,704	31,710
Tennant Co.	423,727	31,271
Kaman Corp.	626,935	31,265
* JELD-WEN Holding Inc.	958,685	31,119
* TriNet Group Inc.	944,775	30,932
Matson Inc.	1,028,810	30,905
* OSI Systems Inc.	409,912	30,805
* Atlas Air Worldwide Holdings Inc.	582,304	30,367
Mobile Mini Inc.	999,510	29,835
* Harsco Corp.	1,846,096	29,722
* Navistar International Corp.	1,131,957	29,691
Werner Enterprises Inc.	1,006,462	29,540
Insperity Inc.	412,301	29,273
* Hub Group Inc. Class A	760,706	29,173
* Veeco Instruments Inc.	1,046,791	29,153
* Sykes Enterprises Inc.	868,020	29,105
^* Evolent Health Inc. Class A	1,142,637	28,966
Wabash National Corp.	1,317,240	28,953
^* American Outdoor Brands Corp.	1,298,607	28,777
Greenbrier Cos. Inc.	621,974	28,766
Raven Industries Inc.	825,270	27,482
* Tutor Perini Corp.	950,436	27,325
Aircastle Ltd.	1,254,206	27,279
* Air Transport Services Group Inc.	1,231,044	26,812
* Paylocity Holding Corp.	592,722	26,779
* Boise Cascade Co.	876,229	26,637
Standex International Corp.	289,341	26,243
Astec Industries Inc.	472,696	26,239
AAR Corp.	743,326	25,838
* TrueBlue Inc.	974,304	25,819
Cubic Corp.	552,559	25,584
Altra Industrial Motion Corp.	631,392	25,129
Badger Meter Inc.	627,368	25,001
* Cotiviti Holdings Inc.	659,867	24,507
* SPX Corp.	964,425	24,265
ManTech International Corp. Class A	584,018	24,167
^ Sturm Ruger & Co. Inc.	385,027	23,929

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	Shares	Market Value (\$000)
Sun Hydraulics Corp.	551,627	23,538
CIRCOR International Inc.	396,348	23,535
* Huron Consulting Group Inc.	532,601	23,008
* TriMas Corp.	1,100,376	22,943
EVERTEC Inc.	1,313,997	22,732
* Navigant Consulting Inc.	1,135,422	22,436
Heartland Express Inc.	1,065,059	22,175
Schneider National Inc. Class B	987,554	22,092
Primoris Services Corp.	878,963	21,921
Lindsay Corp.	245,015	21,868
* Advanced Disposal Services Inc.	960,539	21,833
* Continental Building Products Inc.	879,444	20,491
Encore Wire Corp.	476,097	20,329
RR Donnelley & Sons Co.	1,605,467	20,133
* Aerovironment Inc.	516,087	19,715
MTS Systems Corp.	379,443	19,655
* GMS Inc.	695,243	19,536
* Milacron Holdings Corp.	1,087,313	19,126
Griffon Corp.	857,826	18,829
Advanced Drainage Systems Inc.	935,031	18,794
General Cable Corp.	1,136,717	18,585
* Manitowoc Co. Inc.	3,030,816	18,215
Materion Corp.	486,310	18,188
* Gardner Denver Holdings Inc.	840,275	18,158
^* Inovalon Holdings Inc. Class A	1,360,767	17,894
* Builders FirstSource Inc.	1,162,835	17,815
Quanex Building Products Corp.	837,637	17,716
* Donnelley Financial Solutions Inc.	760,679	17,465
* Atkore International Group Inc.	767,771	17,313
Quad/Graphics Inc.	742,608	17,021
* PHH Corp.	1,217,427	16,764
McGrath RentCorp	478,121	16,557
LSC Communications Inc.	763,027	16,329
* Team Inc.	683,933	16,038
H&E Equipment Services Inc.	781,171	15,944
* RPX Corp.	1,138,387	15,881
Schnitzer Steel Industries Inc.	625,034	15,751
* FARO Technologies Inc.	409,287	15,471
* Aegion Corp. Class A	706,381	15,456
^* Axon Enterprise Inc.	608,847	15,306
* Thermon Group Holdings Inc.	793,110	15,204
AVX Corp.	912,405	14,909
Kelly Services Inc. Class A	655,072	14,706
* Babcock & Wilcox Enterprises Inc.	1,199,895	14,111
Essendant Inc.	899,687	13,342
* Wesco Aircraft Holdings Inc.	1,228,545	13,330
* InnerWorkings Inc.	1,147,676	13,313
Hyster-Yale Materials Handling Inc.	183,294	12,876
* TimkenSteel Corp.	823,761	12,661
TeleTech Holdings Inc.	309,256	12,618
Kforce Inc.	605,952	11,877
Landauer Inc.	225,748	11,807
ArcBest Corp.	569,080	11,723
REV Group Inc.	394,503	10,920
Gorman-Rupp Co.	419,049	10,673
* Armstrong Flooring Inc.	555,411	9,981
Resources Connection Inc.	704,176	9,647
* Mistras Group Inc.	432,774	9,508
* Bazaarvoice Inc.	1,856,691	9,191
Greif Inc. Class B	147,670	8,919
* Floor & Decor Holdings Inc. Class A	225,781	8,864
Park Electrochemical Corp.	475,302	8,755
* International Seaways Inc.	371,862	8,058
* Ply Gem Holdings Inc.	427,544	7,674

	Shares	Market Value (\$000)
American Railcar Industries Inc.	197,446	7,562
* Astronics Corp.	174,580	5,319
^* Forterra Inc.	532,147	4,380
* Astronics Corp. Class B	56,563	1,730
* Roadrunner Transportation Systems Inc.	128	1
* Overseas Shipholding Group Inc. Class A	272	1
* DHI Group Inc.	200	1
		15,187,489
Oil & Gas (4.2%)		
* Diamondback Energy Inc.	2,279,123	202,409
* Parsley Energy Inc. Class A	5,436,956	150,876
* Newfield Exploration Co.	4,616,571	131,388
Targa Resources Corp.	2,499,807	112,991
^* Chesapeake Energy Corp.	21,071,113	104,723
* Rice Energy Inc.	3,804,944	101,326
Patterson-UTI Energy Inc.	4,907,436	99,081
^ Murphy Oil Corp.	3,801,958	97,444
* RSP Permian Inc.	2,941,953	94,937
* WPX Energy Inc.	9,217,120	89,037
^* Transocean Ltd.	9,054,420	74,518
^* First Solar Inc.	1,814,543	72,364
* Southwestern Energy Co.	11,705,012	71,166
* PDC Energy Inc.	1,522,620	65,640
PBF Energy Inc. Class A	2,542,560	56,597
HollyFrontier Corp.	2,055,030	56,452
* Gulfport Energy Corp.	3,803,449	56,101
* QEP Resources Inc.	5,541,438	55,969
* Energen Corp.	1,127,273	55,653
Oceaneering International Inc.	2,268,757	51,818
Core Laboratories NV	511,383	51,788
Nabors Industries Ltd.	6,257,738	50,938
^* Ultra Petroleum Corp.	4,582,182	49,717
* Callon Petroleum Co.	4,637,219	49,201
* McDermott International Inc.	6,540,788	46,897
* Whiting Petroleum Corp.	8,395,604	46,260
* C&J Energy Services Inc.	1,307,302	44,801
^* Weatherford International plc	11,421,029	44,199
* Oasis Petroleum Inc.	5,479,492	44,110
^* Dril-Quip Inc.	892,441	43,551
SM Energy Co.	2,565,706	42,411
^* Matador Resources Co.	1,961,192	41,911
SemGroup Corp. Class A	1,526,918	41,227
* NOW Inc.	2,486,206	39,978
Pattern Energy Group Inc. Class A	1,623,744	38,710
^* Laredo Petroleum Inc.	3,625,342	38,139
* Superior Energy Services Inc.	3,505,115	36,558
Ensco plc Class A	7,002,006	36,130
^* Extraction Oil & Gas Inc.	2,560,117	34,434
* MRC Global Inc.	2,064,780	34,110
Delek US Holdings Inc.	1,225,139	32,393
* Oil States International Inc.	1,180,755	32,058
* Carrizo Oil & Gas Inc.	1,798,418	31,328
^ RPC Inc.	1,501,607	30,347
^* Centennial Resource Development Inc. Class A	1,905,673	30,148
* Rowan Cos. plc Class A	2,901,355	29,710
* Chart Industries Inc.	738,421	25,645
* Forum Energy Technologies Inc.	1,599,997	24,960
* Unit Corp.	1,254,230	23,492
^ Noble Corp. plc	5,910,490	21,396
* Exterran Corp.	778,517	20,786
* Helix Energy Solutions Group Inc.	3,340,040	18,838
Archrock Inc.	1,530,186	17,444
^* Diamond Offshore Drilling Inc.	1,506,158	16,312
^* Atwood Oceanics Inc.	1,859,953	15,159

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	Shares	Market Value (\$000)
* Denbury Resources Inc.	9,773,059	14,953
* Newpark Resources Inc.	1,984,626	14,587
* SEACOR Holdings Inc.	380,355	13,046
^* SunPower Corp. Class A	1,378,003	12,871
^* Keane Group Inc.	756,364	12,102
^* Flotek Industries Inc.	1,335,479	11,939
^* Tellurian Inc.	1,124,959	11,283
Alon USA Energy Inc.	803,687	10,705
* ProPetro Holding Corp.	755,474	10,546
^* Jagged Peak Energy Inc.	770,547	10,287
CVR Energy Inc.	437,226	9,514
Green Plains Inc.	452,919	9,308
^* SEACOR Marine Holdings Inc.	395,019	8,043
* TETRA Technologies Inc.	2,690,910	7,508
^* Sanchez Energy Corp.	887,727	6,374
^* WildHorse Resource Development Corp.	438,331	5,422
^* EP Energy Corp. Class A	1,000,072	3,660
* Eclipse Resources Corp.	1,118,988	3,200
^ Bristow Group Inc.	237,025	1,813
* Tesco Corp.	397,902	1,771
^* Cobalt International Energy Inc.	366,821	906
Tesoro Corp.	131	12
* Bill Barrett Corp.	304	1
* CARBO Ceramics Inc.	96	1
		3,205,428
Other (0.0%)²		
* Dyax Corp. CVR Exp. 12/31/2019	2,940,655	5,881
* NCS Multistage Holdings Inc.	57,617	1,451
* Media General Inc. CVR	2,475,062	736
* Clinical Data CVR	297,875	—
		8,068
Technology (11.4%)		
CDW Corp.	3,659,975	228,858
* Cadence Design Systems Inc.	6,519,802	218,348
Leidos Holdings Inc.	3,513,946	181,636
* IAC/InterActiveCorp	1,694,965	174,988
* CommScope Holding Co. Inc.	4,484,023	170,527
SS&C Technologies Holdings Inc.	4,027,112	154,681
* PTC Inc.	2,686,438	148,076
* Tyler Technologies Inc.	818,806	143,840
Teradyne Inc.	4,640,380	139,351
* Veeva Systems Inc. Class A	2,246,668	137,743
* Ultimate Software Group Inc.	655,597	137,715
* ON Semiconductor Corp.	9,769,500	137,164
* Fortinet Inc.	3,485,645	130,503
* athenahealth Inc.	923,304	129,770
* Microsemi Corp.	2,679,161	125,385
Brocade Communications Systems Inc.	9,561,727	120,573
CSRA Inc.	3,795,766	120,516
* Square Inc.	5,079,446	119,164
* Guidewire Software Inc.	1,713,687	117,747
* ARRIS International plc	4,144,474	116,128
* NCR Corp.	2,819,564	115,151
* Medidata Solutions Inc.	1,285,472	100,524
Fair Isaac Corp.	718,599	100,180
Cypress Semiconductor Corp.	7,285,890	99,452
* EPAM Systems Inc.	1,143,909	96,191
Blackbaud Inc.	1,114,339	95,555
* Aspen Technology Inc.	1,727,512	95,462
* Cavium Inc.	1,508,566	93,727
* Cirrus Logic Inc.	1,483,754	93,061
j2 Global Inc.	1,057,478	89,981
* Tech Data Corp.	885,174	89,403
DST Systems Inc.	1,439,795	88,835

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	Shares	Market Value (\$000)
* Teradata Corp.	3,007,049	88,678
* Tableau Software Inc. Class A	1,390,896	85,220
MKS Instruments Inc.	1,255,928	84,524
^.* ViaSat Inc.	1,268,797	83,994
Monolithic Power Systems Inc.	866,819	83,561
^.* Proofpoint Inc.	961,384	83,477
SYNNEX Corp.	694,026	83,255
* Ellie Mae Inc.	750,634	82,502
^.* Arista Networks Inc.	549,808	82,356
* Ciena Corp.	3,280,730	82,084
* Manhattan Associates Inc.	1,610,819	77,416
* GoDaddy Inc. Class A	1,819,258	77,173
* Lumentum Holdings Inc.	1,349,659	76,998
* Paycom Software Inc.	1,104,365	75,550
* Integrated Device Technology Inc.	2,925,032	75,437
* Entegris Inc.	3,277,083	71,932
* CACI International Inc. Class A	566,067	70,787
* NetScout Systems Inc.	2,021,937	69,555
* Finisar Corp.	2,582,135	67,084
* Silicon Laboratories Inc.	979,084	66,920
Pitney Bowes Inc.	4,306,156	65,023
InterDigital Inc.	807,780	62,441
^.* Dycom Industries Inc.	692,620	62,003
* ACI Worldwide Inc.	2,722,243	60,897
* Zendesk Inc.	2,173,327	60,375
* Advanced Energy Industries Inc.	927,026	59,969
* Verint Systems Inc.	1,446,068	58,855
* Nuance Communications Inc.	3,334,919	58,061
^.* FireEye Inc.	3,717,261	56,540
Science Applications International Corp.	810,496	56,265
* Cree Inc.	2,252,586	55,526
* Viavi Solutions Inc.	5,255,186	55,337
* Semtech Corp.	1,513,489	54,107
* Allscripts Healthcare Solutions Inc.	4,163,714	53,129
* CommVault Systems Inc.	935,504	52,809
* Electronics For Imaging Inc.	1,072,769	50,828
* EchoStar Corp. Class A	831,363	50,464
* HubSpot Inc.	760,548	50,006
TiVo Corp.	2,655,578	49,527
^.* 2U Inc.	1,039,184	48,759
Power Integrations Inc.	668,512	48,735
* RealPage Inc.	1,338,119	48,105
Pegasystems Inc.	819,759	47,833
^.* 3D Systems Corp.	2,545,438	47,600
* RingCentral Inc. Class A	1,299,361	47,492
* VeriFone Systems Inc.	2,576,804	46,640
* Mercury Systems Inc.	1,068,582	44,977
Diebold Nixdorf Inc.	1,561,438	43,720
Cabot Microelectronics Corp.	586,378	43,292
* Cornerstone OnDemand Inc.	1,207,315	43,161
* MicroStrategy Inc. Class A	217,100	41,612
^.* Synaptics Inc.	792,567	40,984
Plantronics Inc.	768,467	40,198
^.* Twilio Inc. Class A	1,358,547	39,547
* Envestnet Inc.	980,007	38,808
* MaxLinear Inc.	1,363,900	38,039
Cogent Communications Holdings Inc.	924,796	37,084
* New Relic Inc.	858,654	36,931
* Infinera Corp.	3,380,914	36,074
Xperi Corp.	1,163,191	34,663
* Insight Enterprises Inc.	851,373	34,046
Brooks Automation Inc.	1,529,491	33,175
Progress Software Corp.	1,043,743	32,241
* BroadSoft Inc.	731,789	31,504

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	Shares	Market Value (\$000)
CSG Systems International Inc.	766,084	31,088
* Box Inc.	1,693,950	30,898
* Gigamon Inc.	780,497	30,713
^.* Inphi Corp.	889,106	30,496
* NETGEAR Inc.	706,951	30,470
* Web.com Group Inc.	1,166,698	29,517
* Rambus Inc.	2,542,150	29,057
^.* Ubiquiti Networks Inc.	557,684	28,983
West Corp.	1,204,262	28,083
Ebix Inc.	508,288	27,397
NIC Inc.	1,416,938	26,851
^.* Pure Storage Inc. Class A	2,043,211	26,174
* Bottomline Technologies de Inc.	929,492	23,879
* CEVA Inc.	509,371	23,151
* Super Micro Computer Inc.	935,046	23,049
* ScanSource Inc.	570,820	23,004
ADTRAN Inc.	1,101,717	22,750
^.* Coupa Software Inc.	756,002	21,909
* FormFactor Inc.	1,708,587	21,186
* Quality Systems Inc.	1,210,406	20,831
* Blucora Inc.	935,265	19,828
* Diodes Inc.	821,539	19,742
* Amkor Technology Inc.	2,018,178	19,718
* Barracuda Networks Inc.	847,472	19,543
^.* Match Group Inc.	1,057,187	18,374
* Lattice Semiconductor Corp.	2,701,748	17,994
Monotype Imaging Holdings Inc.	940,130	17,204
^.* Shutterstock Inc.	389,088	17,151
* Cray Inc.	912,461	16,789
^.* Acacia Communications Inc.	400,375	16,604
^.* Nutanix Inc.	792,031	15,959
^.* Gogo Inc.	1,370,863	15,806
^.* Unisys Corp.	1,225,796	15,690
* LivePerson Inc.	1,272,544	13,998
* Blackline Inc.	379,726	13,571
* Endurance International Group Holdings Inc.	1,569,720	13,107
* Synchronoss Technologies Inc.	789,880	12,994
Syntel Inc.	744,759	12,631
^.* Benefitfocus Inc.	344,628	12,527
* CommerceHub Inc.	704,529	12,287
* Loral Space & Communications Inc.	284,367	11,815
^.* Hortonworks Inc.	898,336	11,571
* Actua Corp.	767,424	10,782
^ Computer Programs & Systems Inc.	317,909	10,427
* Virtusa Corp.	337,491	9,922
Forrester Research Inc.	250,335	9,801
^.* MuleSoft Inc. Class A	330,875	8,252
* WideOpenWest Inc.	438,264	7,626
* Rapid7 Inc.	433,374	7,294
* Calix Inc.	1,044,805	7,157
* Okta Inc.	280,887	6,404
^.* Presidio Inc.	402,733	5,763
* CommerceHub Inc. Class A	322,297	5,614
* Harmonic Inc.	974,545	5,116
^.* Cloudera Inc.	302,650	4,848
* Sonus Networks Inc.	620,424	4,616
^.* Castlight Health Inc. Class B	1,012,960	4,204
* MobileIron Inc.	573,975	3,473
Systemax Inc.	174,207	3,275
* Alteryx Inc. Class A	155,023	3,026
* Yext Inc.	201,964	2,692
* Appian Corp.	140,002	2,541
* SecureWorks Corp. Class A	243,648	2,263

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	Shares	Market Value (\$000)
* Pikel Inc.	241	—
		8,775,605
Telecommunications (0.4%)		
Telephone & Data Systems Inc.	2,243,581	62,259
^ Frontier Communications Corp.	27,163,953	31,510
* Vonage Holdings Corp.	4,709,262	30,799
Consolidated Communications Holdings Inc.	1,163,046	24,971
^,* Iridium Communications Inc.	1,973,094	21,803
^,* Globalstar Inc.	10,233,370	21,797
Cincinnati Bell Inc.	1,020,909	19,959
ATN International Inc.	254,900	17,445
Shenandoah Telecommunications Co.	563,442	17,298
Windstream Holdings Inc.	4,438,784	17,222
* Straight Path Communications Inc. Class B	74,678	13,416
* United States Cellular Corp.	280,316	10,742
^,* Intelsat SA	583,161	1,784
		291,005
Utilities (3.7%)		
Atmos Energy Corp.	2,466,633	204,607
UGI Corp.	4,032,068	195,192
Westar Energy Inc. Class A	3,316,447	175,838
Great Plains Energy Inc.	5,044,417	147,701
Aqua America Inc.	4,121,779	137,255
NRG Energy Inc.	6,947,659	119,639
* Vistra Energy Corp.	6,894,190	115,753
Vectren Corp.	1,942,052	113,494
* Calpine Corp.	8,344,156	112,896
National Fuel Gas Co.	1,872,231	104,545
IDACORP Inc.	1,180,845	100,785
WGL Holdings Inc.	1,199,082	100,039
Portland General Electric Co.	2,084,799	95,254
ALLETE Inc.	1,184,379	84,896
ONE Gas Inc.	1,211,490	84,574
Black Hills Corp.	1,244,544	83,969
Hawaiian Electric Industries Inc.	2,529,978	81,921
New Jersey Resources Corp.	1,999,145	79,366
Spire Inc.	1,060,775	73,989
Southwest Gas Holdings Inc.	991,114	72,411
PNM Resources Inc.	1,846,488	70,628
NorthWestern Corp.	1,154,534	70,450
Avista Corp.	1,487,628	63,165
South Jersey Industries Inc.	1,829,078	62,500
Ormat Technologies Inc.	913,064	53,579
MGE Energy Inc.	796,748	51,271
El Paso Electric Co.	935,342	48,357
California Water Service Group	1,089,355	40,088
American States Water Co.	830,284	39,364
Northwest Natural Gas Co.	646,877	38,716
* TerraForm Power Inc. Class A	2,077,012	24,924
* Dynegy Inc.	2,709,416	22,407
^,* Sunrun Inc.	1,802,459	12,834
^,* Vivint Solar Inc.	690,505	4,039
		2,886,446
Total Common Stocks (Cost \$58,284,968)		76,246,125

	Coupon		Shares	Market Value (\$000)
Temporary Cash Investments (2.4%)¹				
Money Market Fund (2.4%)				
^{3,4} Vanguard Market Liquidity Fund	0.181%		18,376,784	1,838,046
		Maturity Date	Face Amount (\$000)	
U.S. Government and Agency Obligations (0.0%)				
United States Treasury Bill	0.638%	8/24/17	1,500	1,498
⁵ United States Treasury Bill	0.982%	9/7/17	2,500	2,496
⁵ United States Treasury Bill	0.990%	9/21/17	5,000	4,989
⁵ United States Treasury Bill	0.909%-0.979%	10/5/17	2,300	2,294
⁵ United States Treasury Bill	0.949%	10/19/17	500	499
⁵ United States Treasury Bill	0.954%	10/26/17	16,000	15,947
⁵ United States Treasury Bill	1.052%	11/24/17	600	597
				28,320
Total Temporary Cash Investments (Cost \$1,866,150)				1,866,366
Total Investments (101.6%) (Cost \$60,151,118)				78,112,491
Other Assets and Liabilities—Net (-1.6%)⁴				(1,225,313)
Net Assets (100%)				76,887,178

[^] Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$1,179,748,000.

^{*} Non-income-producing security.

¹ The fund invests a portion of its cash reserves in equity markets through the use of index futures contracts and swap contracts. After giving effect to futures and swap investments, the fund's effective common stock and temporary cash investment positions represent 100.0% and 1.6%, respectively, of net assets.

² "Other" represents securities that are not classified by the fund's benchmark index.

³ Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

⁴ Includes \$1,245,658,000 of collateral received for securities on loan.

⁵ Securities with a value of \$25,624,000 have been segregated as initial margin for open futures contracts.

CVR—Contingent Value Rights.

REIT—Real Estate Investment Trust.

	Shares	Market Value (\$000)
Common Stocks (99.7%)¹		
Basic Materials (2.2%)		
Royal Gold Inc.	831,646	65,010
NewMarket Corp.	120,684	55,573
US Silica Holdings Inc.	1,030,840	36,584
* Platform Specialty Products Corp.	2,545,858	32,281
Balchem Corp.	404,934	31,467
* Ingevity Corp.	535,494	30,737
* Cambrex Corp.	413,876	24,729
Versum Materials Inc.	691,129	22,462
KapStone Paper and Packaging Corp.	1,045,545	21,570
* Univar Inc.	627,603	18,326
Minerals Technologies Inc.	222,866	16,314
Hecla Mining Co.	2,516,193	12,833
Deltic Timber Corp.	140,588	10,496
Calgon Carbon Corp.	652,779	9,857
* Ferro Corp.	538,778	9,854
*^ Fairmount Santrol Holdings Inc.	2,010,765	7,842
American Vanguard Corp.	338,898	5,846
* Coeur Mining Inc.	224	2
Warrior Met Coal Inc.	60	1
* Century Aluminum Co.	59	1
		411,785
Consumer Goods (7.5%)		
* Take-Two Interactive Software Inc.	1,321,513	96,973
* Middleby Corp.	732,201	88,970
Toll Brothers Inc.	1,965,994	77,676
Brunswick Corp.	1,136,671	71,303
Gentex Corp.	3,656,239	69,359
* Post Holdings Inc.	801,313	62,222
* TreeHouse Foods Inc.	724,758	59,205
Pool Corp.	499,995	58,784
Carter's Inc.	585,155	52,050
* Hain Celestial Group Inc.	1,314,639	51,034
* Skechers U.S.A. Inc. Class A	1,702,943	50,237
*^ Wayfair Inc.	526,731	40,495
* Zynga Inc. Class A	9,778,543	35,594
CalAtlantic Group Inc.	992,832	35,097
* Dorman Products Inc.	414,072	34,273
* Welbilt Inc.	1,765,273	33,275
*^ Tempur Sealy International Inc.	582,147	31,081
LCI Industries	300,656	30,787
* Kate Spade & Co.	1,634,373	30,220
B&G Foods Inc.	844,702	30,071
* iRobot Corp.	330,971	27,848
* Steven Madden Ltd.	679,941	27,164
Vector Group Ltd.	1,233,669	26,302
* Blue Buffalo Pet Products Inc.	1,125,525	25,673
* TRI Pointe Group Inc.	1,916,780	25,282
J&J Snack Foods Corp.	190,239	25,125
* Meritage Homes Corp.	486,662	20,537
WD-40 Co.	169,744	18,731
* Hostess Brands Inc. Class A	1,135,682	18,284
* Gentherm Inc.	466,931	18,117
* Select Comfort Corp.	503,144	17,857
Interface Inc. Class A	798,150	15,684
Lancaster Colony Corp.	122,012	14,961
* Boston Beer Co. Inc. Class A	111,605	14,749
National Beverage Corp.	147,941	13,841
Coca-Cola Bottling Co. Consolidated	59,862	13,701
Oxford Industries Inc.	194,825	12,175
*^ Fitbit Inc. Class A	2,118,405	11,249
Columbia Sportswear Co.	179,678	10,432

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	Shares	Market Value (\$000)
* USANA Health Sciences Inc.	142,453	9,131
*^ GoPro Inc. Class A	1,095,320	8,905
*^ e.l.f. Beauty, Inc.	265,724	7,230
Acushnet Holdings Corp.	286,177	5,678
Phibro Animal Health Corp. Class A	120,037	4,447
*^ Amplify Snack Brands Inc.	393,085	3,789
* Revlon Inc. Class A	137,486	3,258
MDC Holdings Inc.	51	2
		1,438,858
Consumer Services (13.2%)		
Vail Resorts Inc.	508,850	103,210
* VCA Inc.	982,607	90,704
* Panera Bread Co. Class A	271,577	85,449
* Burlington Stores Inc.	894,214	82,259
* Copart Inc.	2,484,857	78,994
* Liberty Media Corp-Liberty Formula One	1,902,212	69,659
Domino's Pizza Inc.	306,037	64,736
Dunkin' Brands Group Inc.	1,172,921	64,651
* Live Nation Entertainment Inc.	1,701,064	59,282
Six Flags Entertainment Corp.	980,284	58,435
Sabre Corp.	2,477,668	53,939
Casey's General Stores Inc.	498,894	53,437
Rollins Inc.	1,248,679	50,834
* Bright Horizons Family Solutions Inc.	647,322	49,980
*^ GrubHub Inc.	1,097,183	47,837
* Grand Canyon Education Inc.	609,683	47,805
Dick's Sporting Goods Inc.	1,078,640	42,962
* Madison Square Garden Co. Class A	217,893	42,903
Texas Roadhouse Inc. Class A	812,619	41,403
* Sprouts Farmers Market Inc.	1,659,928	37,631
* AMC Networks Inc. Class A	701,660	37,476
* Liberty Expedia Holdings Inc. Class A	691,603	37,360
Jack in the Box Inc.	374,550	36,893
* Dave & Buster's Entertainment Inc.	535,230	35,598
Nexstar Media Group Inc. Class A	569,958	34,083
* ServiceMaster Global Holdings Inc.	851,606	33,374
* Five Below Inc.	665,239	32,843
Marriott Vacations Worldwide Corp.	276,576	32,567
* Hawaiian Holdings Inc.	681,710	32,006
* Hilton Grand Vacations Inc.	881,547	31,789
* Stamps.com Inc.	204,498	31,672
* Lions Gate Entertainment Corp. Class B	1,179,253	30,991
* Sotheby's	568,952	30,536
Choice Hotels International Inc.	466,335	29,962
* Yelp Inc. Class A	972,970	29,209
Cheesecake Factory Inc.	579,094	29,128
PriceSmart Inc.	328,336	28,762
Churchill Downs Inc.	146,551	26,863
* WebMD Health Corp.	456,653	26,783
* Michaels Cos. Inc.	1,439,865	26,666
* Ollie's Bargain Outlet Holdings Inc.	621,029	26,456
* Buffalo Wild Wings Inc.	205,106	25,987
*^ Pandora Media Inc.	2,904,237	25,906
Papa John's International Inc.	350,427	25,147
Planet Fitness Inc. Class A	1,060,174	24,744
*^ RH	378,274	24,406
Allegiant Travel Co. Class A	169,073	22,926
* Spirit Airlines Inc.	440,727	22,764
* SiteOne Landscape Supply Inc.	428,895	22,328
* Groupon Inc. Class A	5,345,769	20,528
Red Rock Resorts Inc. Class A	860,647	20,268
* Shutterfly Inc.	407,549	19,359
* Etsy Inc.	1,272,675	19,090
* Lions Gate Entertainment Corp. Class A	669,538	18,894

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	Shares	Market Value (\$000)
ILG Inc.	673,824	18,523
* Scientific Games Corp. Class A	681,538	17,788
Morningstar Inc.	218,217	17,095
* Trade Desk Inc. Class A	340,868	17,081
* TrueCar Inc.	826,431	16,471
Monro Muffler Brake Inc.	393,086	16,411
* Belmond Ltd. Class A	1,103,170	14,672
AMC Entertainment Holdings Inc. Class A	630,220	14,338
* Pinnacle Entertainment Inc.	691,790	13,670
Sonic Corp.	512,304	13,571
* Caesars Acquisition Co. Class A	705,917	13,448
Boyd Gaming Corp.	503,570	12,494
*^ Liberty Media Corp-Liberty Formula One Class A	309,170	10,830
^ Wingstop Inc.	349,770	10,808
* Quotient Technology Inc.	918,864	10,567
ClubCorp Holdings Inc.	804,233	10,535
* BJ's Restaurants Inc.	259,817	9,678
^ World Wrestling Entertainment Inc. Class A	446,098	9,087
*^ Lumber Liquidators Holdings Inc.	360,738	9,040
Tile Shop Holdings Inc.	433,426	8,950
* Diplomat Pharmacy Inc.	597,797	8,847
*^ Shake Shack Inc. Class A	245,531	8,564
* EW Scripps Co. Class A	368,178	6,557
* Angie's List Inc.	503,133	6,435
* Fiesta Restaurant Group Inc.	292,274	6,035
* Francesca's Holdings Corp.	465,891	5,097
* Liberty TripAdvisor Holdings Inc. Class A	435,081	5,047
Emerald Expositions Events Inc.	229,458	5,025
* Caesars Entertainment Corp.	384,942	4,619
New Media Investment Group Inc.	326,024	4,395
* Clean Energy Fuels Corp.	1,721,358	4,372
*^ Habit Restaurants Inc. Class A	255,306	4,034
* El Pollo Loco Holdings Inc.	274,280	3,799
* Bojangles' Inc.	210,838	3,426
National CineMedia Inc.	400,071	2,969
* Potbelly Corp.	151,207	1,739
* Global Eagle Entertainment Inc.	325,314	1,158
* Blue Apron Holdings Inc. Class A	75,184	702
* Cabela's Inc.	68	4
* Sally Beauty Holdings Inc.	177	4
* Urban Outfitters Inc.	101	2
* Hibbett Sports Inc.	27	1
* Ascena Retail Group Inc.	229	—
		2,527,362

Financials (20.6%)

CBOE Holdings Inc.	1,425,929	130,330
* Signature Bank	660,281	94,770
Kilroy Realty Corp.	1,250,831	94,000
Colony NorthStar Inc. Class A	6,657,309	93,801
Gaming and Leisure Properties Inc.	2,435,915	91,761
MarketAxess Holdings Inc.	453,749	91,249
Equity LifeStyle Properties Inc.	1,049,965	90,654
American Campus Communities Inc.	1,706,371	80,711
Sun Communities Inc.	897,049	78,662
Lamar Advertising Co. Class A	1,062,646	78,179
Healthcare Trust of America Inc. Class A	2,435,192	75,759
Bank of the Ozarks	1,549,994	72,648
Douglas Emmett Inc.	1,869,058	71,417
Hudson Pacific Properties Inc.	1,986,097	67,905
* Zillow Group Inc.	1,331,012	65,233
American Homes 4 Rent Class A	2,793,935	63,059
DCT Industrial Trust Inc.	1,170,537	62,553
Medical Properties Trust Inc.	4,632,764	59,624
* Western Alliance Bancorp	1,207,735	59,421

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	Shares	Market Value (\$000)
CyrusOne Inc.	1,060,796	59,139
* SVB Financial Group	334,097	58,731
Pinnacle Financial Partners Inc.	933,390	58,617
Gramercy Property Trust	1,932,981	57,429
* Howard Hughes Corp.	461,915	56,742
CubeSmart	2,293,298	55,131
Colony Starwood Homes	1,588,871	54,514
Uniti Group Inc.	2,120,759	53,316
* Liberty Ventures Class A	981,855	51,341
Healthcare Realty Trust Inc.	1,482,954	50,643
STORE Capital Corp.	2,177,924	48,894
* Texas Capital Bancshares Inc.	630,926	48,834
Cousins Properties Inc.	5,331,868	46,867
Spirit Realty Capital Inc.	6,160,676	45,651
Physicians Realty Trust	2,260,167	45,520
CoreSite Realty Corp.	435,266	45,063
Investors Bancorp Inc.	3,358,171	44,865
WP Carey Inc.	677,965	44,752
Corporate Office Properties Trust	1,265,682	44,337
Life Storage Inc.	591,867	43,857
^ Omega Healthcare Investors Inc.	1,252,653	41,363
Home BancShares Inc.	1,642,607	40,901
Paramount Group Inc.	2,503,769	40,060
*^ Credit Acceptance Corp.	147,868	38,023
Education Realty Trust Inc.	931,736	36,105
DDR Corp.	3,965,218	35,965
PacWest Bancorp	761,646	35,569
Ryman Hospitality Properties Inc.	553,405	35,423
Forest City Realty Trust Inc. Class A	1,461,561	35,326
* Essent Group Ltd.	949,450	35,263
FirstCash Inc.	583,120	33,996
* Zillow Group Inc. Class A	660,988	32,283
PS Business Parks Inc.	241,853	32,019
* Blackhawk Network Holdings Inc.	716,473	31,238
STAG Industrial Inc.	1,127,598	31,122
* HealthEquity Inc.	609,017	30,347
Evercore Partners Inc. Class A	417,222	29,414
Urban Edge Properties	1,229,819	29,184
^ Pebblebrook Hotel Trust	883,858	28,496
^ Financial Engines Inc.	759,112	27,783
QTS Realty Trust Inc. Class A	517,578	27,085
Retail Opportunity Investments Corp.	1,394,508	26,761
* Eagle Bancorp Inc.	411,839	26,069
* LendingClub Corp.	4,620,973	25,462
Hilltop Holdings Inc.	939,095	24,614
* FCB Financial Holdings Inc. Class A	514,542	24,569
Alexander & Baldwin Inc.	593,288	24,550
Park Hotels & Resorts Inc.	887,050	23,915
Kennedy-Wilson Holdings Inc.	1,234,048	23,509
Towne Bank	710,989	21,898
ServisFirst Bancshares Inc.	570,609	21,050
LegacyTexas Financial Group Inc.	548,382	20,910
Kite Realty Group Trust	1,062,095	20,105
Sterling Bancorp	826,666	19,220
Simmons First National Corp. Class A	358,988	18,990
*^ BofI Holding Inc.	724,949	17,196
CareTrust REIT Inc.	922,050	17,095
HFF Inc. Class A	467,208	16,245
Tanger Factory Outlet Centers Inc.	613,024	15,926
WisdomTree Investments Inc.	1,475,663	15,007
Kearny Financial Corp.	988,125	14,674
* Black Knight Financial Services Inc. Class A	356,026	14,579
Capital Bank Financial Corp.	355,109	13,530
Moelis & Co. Class A	339,161	13,176

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	Shares	Market Value (\$000)
Parkway Inc.	539,469	12,348
FelCor Lodging Trust Inc.	1,697,107	12,236
Rexford Industrial Realty Inc.	423,786	11,629
* St. Joe Co.	594,478	11,146
TFS Financial Corp.	718,619	11,117
Alexander's Inc.	26,361	11,110
Ameris Bancorp	224,196	10,806
Cohen & Steers Inc.	266,348	10,798
National Bank Holdings Corp. Class A	322,760	10,687
New Senior Investment Group Inc.	1,061,937	10,672
* Third Point Reinsurance Ltd.	756,357	10,513
American Assets Trust Inc.	254,110	10,009
InfraREIT Inc.	500,782	9,590
Sabra Health Care REIT Inc.	394,834	9,515
* LendingTree Inc.	49,325	8,494
Altisource Residential Corp.	592,470	7,667
Urstadt Biddle Properties Inc. Class A	385,684	7,637
NRG Yield Inc.	401,721	7,070
Ramco-Gershenson Properties Trust	504,183	6,504
* Marcus & Millichap Inc.	217,821	5,742
Northfield Bancorp Inc.	262,849	4,508
* PennyMac Financial Services Inc. Class A	265,692	4,437
Investment Technology Group Inc.	200,046	4,249
RMR Group Inc. Class A	86,409	4,204
Houlihan Lokey Inc. Class A	119,062	4,155
NRG Yield Inc. Class A	219,715	3,748
NewStar Financial Inc.	320,853	3,369
* Tejon Ranch Co.	92,680	1,913
* Ocwen Financial Corp.	554,170	1,491
Hamilton Lane Inc. Class A	59,885	1,317
* On Deck Capital Inc.	253,296	1,180
Urstadt Biddle Properties Inc.	30,767	531
Associated Capital Group Inc. Class A	3,662	124
Outfront Media Inc.	171	4
Acadia Realty Trust	100	3
Monogram Residential Trust Inc.	207	2
* OneMain Holdings Inc. Class A	67	2
Greenhill & Co. Inc.	29	1
KKR Real Estate Finance Trust Inc.	13	—
		3,932,522
Health Care (15.3%)		
* Exelixis Inc.	3,715,992	91,525
West Pharmaceutical Services Inc.	936,138	88,484
* Alnylam Pharmaceuticals Inc.	1,044,520	83,311
* Bioerativ Inc.	1,376,548	82,827
* DexCom Inc.	1,098,898	80,384
*^ Ionis Pharmaceuticals Inc.	1,576,747	80,209
* ABIOMED Inc.	526,460	75,442
* MEDNAX Inc.	1,183,869	71,470
* Align Technology Inc.	460,094	69,069
* Bio-Rad Laboratories Inc. Class A	264,951	59,961
* Bluebird Bio Inc.	569,500	59,826
* PAREXEL International Corp.	646,088	56,151
Bio-Techne Corp.	475,209	55,837
* Masimo Corp.	589,560	53,756
*^ Exact Sciences Corp.	1,504,359	53,209
* Catalent Inc.	1,510,946	53,034
* Neurocrine Biosciences Inc.	1,121,001	51,566
*^ Acadia Healthcare Co. Inc.	1,006,003	49,676
* NuVasive Inc.	644,889	49,605
STERIS plc	540,589	44,058
Healthcare Services Group Inc.	882,677	41,336
* INC Research Holdings Inc. Class A	688,809	40,295
* PRA Health Sciences Inc.	516,944	38,776

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	Shares	Market Value (\$000)
* Nektar Therapeutics Class A	1,975,299	38,617
* Bruker Corp.	1,323,499	38,170
* Insulet Corp.	737,472	37,840
* Akorn Inc.	1,110,120	37,233
* Cantel Medical Corp.	450,772	35,120
* Puma Biotechnology Inc.	400,080	34,967
*^ ACADIA Pharmaceuticals Inc.	1,243,194	34,673
* Wright Medical Group NV	1,259,222	34,616
* TESARO Inc.	240,043	33,572
* ICU Medical Inc.	188,717	32,554
* Ironwood Pharmaceuticals Inc. Class A	1,703,683	32,166
* Neogen Corp.	460,177	31,803
*^ Medicines Co.	825,362	31,372
* Seattle Genetics Inc.	590,579	30,557
* Ultragenyx Pharmaceutical Inc.	485,949	30,182
*^ Penumbra Inc.	341,807	29,994
*^ Ligand Pharmaceuticals Inc.	240,134	29,152
* Globus Medical Inc.	871,707	28,897
*^ OPKO Health Inc.	4,265,356	28,066
* Agios Pharmaceuticals Inc.	520,705	26,790
* Clovis Oncology Inc.	275,596	25,804
*^ Intercept Pharmaceuticals Inc.	206,565	25,009
* FibroGen Inc.	762,058	24,614
* Horizon Pharma plc	2,067,736	24,544
* Nevro Corp.	316,390	23,549
* Pacira Pharmaceuticals Inc.	484,146	23,094
*^ Radius Health Inc.	496,143	22,441
*^ Sarepta Therapeutics Inc.	663,427	22,364
* NxStage Medical Inc.	837,493	20,996
* Integra LifeSciences Holdings Corp.	384,335	20,950
* Portola Pharmaceuticals Inc.	362,252	20,348
*^ Theravance Biopharma Inc.	508,302	20,251
* Amedisys Inc.	321,445	20,190
* HMS Holdings Corp.	1,075,826	19,903
*^ Avexis Inc.	239,228	19,655
*^ Halozyme Therapeutics Inc.	1,510,552	19,365
* Spark Therapeutics Inc.	316,491	18,907
* Tivity Health Inc.	448,404	17,869
*^ Teladoc Inc.	484,516	16,813
*^ Intrexon Corp.	688,641	16,589
* Varex Imaging Corp.	483,076	16,328
* Momenta Pharmaceuticals Inc.	895,840	15,140
*^ Juno Therapeutics Inc.	505,567	15,111
*^ Novocure Ltd.	840,227	14,536
* Abaxis Inc.	272,084	14,426
* Emergent BioSolutions Inc.	416,559	14,126
* Haemonetics Corp.	336,166	13,275
* Supernus Pharmaceuticals Inc.	303,473	13,080
* Innoviva Inc.	987,104	12,635
* Glaukos Corp.	283,390	11,752
* Acorda Therapeutics Inc.	596,118	11,744
* Analogic Corp.	160,828	11,684
* Merit Medical Systems Inc.	301,137	11,488
* Luminex Corp.	505,920	10,685
* Orthofix International NV	218,476	10,155
* Inogen Inc.	104,610	9,982
*^ Amicus Therapeutics Inc.	920,040	9,265
* Quidel Corp.	340,058	9,229
* Array BioPharma Inc.	1,098,499	9,194
*^ Lexicon Pharmaceuticals Inc.	536,969	8,833
* HealthStream Inc.	327,245	8,613
* Meridian Bioscience Inc.	544,343	8,573
* Epizyme Inc.	525,675	7,938
* Genomic Health Inc.	239,129	7,784

Vanguard® Small-Cap Growth Index Fund
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	Shares	Market Value (\$000)
* Natus Medical Inc.	201,599	7,520
*^ Keryx Biopharmaceuticals Inc.	1,034,656	7,481
* Spectrum Pharmaceuticals Inc.	943,107	7,026
* Insmid Inc.	400,988	6,881
* Achillion Pharmaceuticals Inc.	1,494,447	6,860
* Arena Pharmaceuticals Inc.	402,500	6,790
* Ensign Group Inc.	309,186	6,731
* Acceleron Pharma Inc.	207,846	6,316
*^ Alder Biopharmaceuticals Inc.	544,550	6,235
* CorVel Corp.	122,911	5,832
*^ Editas Medicine Inc.	341,901	5,737
* Surgery Partners Inc.	250,176	5,691
*^ TherapeuticsMD Inc.	1,034,108	5,450
* Five Prime Therapeutics Inc.	173,585	5,227
*^ ZIOPHARM Oncology Inc.	812,665	5,055
*^ Endologix Inc.	1,014,071	4,928
*^ Accuray Inc.	1,007,848	4,787
*^ Insys Therapeutics Inc.	369,022	4,668
*^ Aduro Biotech Inc.	399,825	4,558
* Natera Inc.	403,282	4,380
*^ Lannett Co. Inc.	201,074	4,102
* AMAG Pharmaceuticals Inc.	222,640	4,097
* Depomed Inc.	356,510	3,829
* Medpace Holdings Inc.	103,926	3,014
*^ Seres Therapeutics Inc.	257,673	2,912
* Intellia Therapeutics Inc.	160,840	2,573
*^ Novavax Inc.	1,796,039	2,065
* Merrimack Pharmaceuticals Inc.	799,475	991
* Wright Medical Group Inc. CVR	165,303	251
* American Renal Associates Holdings Inc.	13	—
*^ ConforMIS Inc.	43	—
		2,926,966

Industrials (19.6%)

* CoStar Group Inc.	416,775	109,862
AO Smith Corp.	1,869,409	105,304
Jack Henry & Associates Inc.	988,236	102,648
Lennox International Inc.	515,966	94,752
* Berry Global Group Inc.	1,648,099	93,958
* XPO Logistics Inc.	1,421,671	91,883
Toro Co.	1,300,721	90,127
Cognex Corp.	1,047,608	88,942
Old Dominion Freight Line Inc.	839,394	79,944
* HD Supply Holdings Inc.	2,567,421	78,640
Graco Inc.	707,035	77,265
Nordson Corp.	622,515	75,523
* Coherent Inc.	313,409	70,514
* TransUnion	1,612,150	69,822
* IPG Photonics Corp.	478,280	69,398
* Zebra Technologies Corp.	671,551	67,504
Packaging Corp. of America	599,520	66,780
Hexcel Corp.	1,156,581	61,056
National Instruments Corp.	1,484,479	59,706
Watsco Inc.	386,923	59,663
Universal Display Corp.	538,723	58,855
Broadridge Financial Solutions Inc.	748,241	56,537
* Euronet Worldwide Inc.	633,993	55,392
Eagle Materials Inc.	585,399	54,103
* WEX Inc.	518,635	54,078
MAXIMUS Inc.	825,032	51,672
Genpact Ltd.	1,717,351	47,794
Littelfuse Inc.	288,855	47,661
Woodward Inc.	701,951	47,438
Air Lease Corp. Class A	1,247,468	46,605
* Keysight Technologies Inc.	1,175,516	45,763

Vanguard® Small-Cap Growth Index Fund
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	Shares	Market Value (\$000)
Landstar System Inc.	533,678	45,683
HEICO Corp. Class A	637,960	39,585
John Bean Technologies Corp.	402,588	39,454
* Summit Materials Inc. Class A	1,354,278	39,098
* Clean Harbors Inc.	654,274	36,528
*^ USG Corp.	1,204,401	34,952
* On Assignment Inc.	638,903	34,597
Knight Transportation Inc.	919,902	34,082
* WageWorks Inc.	503,074	33,807
* Itron Inc.	491,097	33,272
* MACOM Technology Solutions Holdings Inc.	567,861	31,670
FLIR Systems Inc.	867,037	30,051
* RBC Bearings Inc.	289,568	29,466
* Masonite International Corp.	379,347	28,641
*^ Cimpress NV	296,764	28,053
* Advisory Board Co.	519,228	26,740
* Genesee & Wyoming Inc. Class A	390,965	26,738
* Teledyne Technologies Inc.	201,761	25,755
* Trex Co. Inc.	373,620	25,279
* Rogers Corp.	230,434	25,030
* TopBuild Corp.	470,658	24,978
* II-VI Inc.	721,958	24,763
* AMN Healthcare Services Inc.	608,670	23,769
Mueller Water Products Inc. Class A	2,027,191	23,678
* ExlService Holdings Inc.	406,555	22,596
Simpson Manufacturing Co. Inc.	514,752	22,500
* Louisiana-Pacific Corp.	919,764	22,175
Apogee Enterprises Inc.	365,716	20,787
Franklin Electric Co. Inc.	501,697	20,770
Forward Air Corp.	383,940	20,456
* Proto Labs Inc.	302,951	20,373
*^ Ambarella Inc.	407,577	19,788
Covanta Holding Corp.	1,498,392	19,779
Albany International Corp.	367,321	19,615
EnPro Industries Inc.	271,454	19,374
Exponent Inc.	328,856	19,172
* Cardtronics plc Class A	579,924	19,056
HEICO Corp.	262,109	18,830
AAON Inc.	501,285	18,472
AZZ Inc.	330,855	18,462
Methode Electronics Inc.	444,052	18,295
* Imperva Inc.	382,212	18,289
* JELD-WEN Holding Inc.	533,434	17,315
* TriNet Group Inc.	522,837	17,118
* OSI Systems Inc.	225,502	16,946
Tennant Co.	227,811	16,812
* Veeco Instruments Inc.	577,856	16,093
*^ Evolent Health Inc. Class A	626,980	15,894
*^ American Outdoor Brands Corp.	716,177	15,870
Raven Industries Inc.	458,598	15,271
* Paylocity Holding Corp.	327,294	14,787
Cubic Corp.	310,117	14,358
Badger Meter Inc.	351,432	14,005
* DigitalGlobe Inc.	394,130	13,124
Sun Hydraulics Corp.	295,454	12,607
* Armstrong World Industries Inc.	270,234	12,431
Heartland Express Inc.	591,092	12,307
Primoris Services Corp.	490,200	12,226
Schneider National Inc. Class B	536,507	12,002
Lindsay Corp.	130,511	11,648
* Continental Building Products Inc.	498,404	11,613
* Advanced Disposal Services Inc.	504,744	11,473
Mueller Industries Inc.	347,794	10,590
* Gardner Denver Holdings Inc.	482,200	10,420

Vanguard® Small-Cap Growth Index Fund
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	Shares	Market Value (\$000)
* Aerovironment Inc.	271,157	10,358
*^ Inovalon Holdings Inc. Class A	763,457	10,039
Advanced Drainage Systems Inc.	498,565	10,021
* Builders FirstSource Inc.	617,432	9,459
Quanex Building Products Corp.	443,532	9,381
Comfort Systems USA Inc.	240,286	8,915
* Team Inc.	362,167	8,493
Insperity Inc.	116,108	8,244
*^ Axon Enterprise Inc.	323,404	8,130
* FARO Technologies Inc.	214,539	8,110
* Thermon Group Holdings Inc.	417,196	7,998
* Hub Group Inc. Class A	202,049	7,749
* Air Transport Services Group Inc.	338,225	7,367
* InnerWorkings Inc.	599,799	6,958
REV Group Inc.	205,410	5,686
Gorman-Rupp Co.	217,650	5,544
Griffon Corp.	227,732	4,999
* Mistras Group Inc.	223,574	4,912
* Ply Gem Holdings Inc.	266,469	4,783
* Bazaarvoice Inc.	965,124	4,777
* Floor & Decor Holdings Inc. Class A	89,438	3,511
* Astronics Corp.	96,358	2,936
* Armstrong Flooring Inc.	141,723	2,547
* Astronics Corp. Class B	33,227	1,016
Mobile Mini Inc.	55	2
		3,750,492

Oil & Gas (4.3%)

* Diamondback Energy Inc.	1,248,890	110,914
* Parsley Energy Inc. Class A	2,980,237	82,702
* Newfield Exploration Co.	2,535,249	72,153
* Rice Energy Inc.	2,088,041	55,605
Patterson-UTI Energy Inc.	2,698,009	54,473
* RSP Permian Inc.	1,614,888	52,112
* Southwestern Energy Co.	6,460,716	39,281
* PDC Energy Inc.	836,961	36,081
* Gulfport Energy Corp.	2,091,284	30,846
Core Laboratories NV	280,691	28,426
*^ Ultra Petroleum Corp.	2,504,446	27,173
* Callon Petroleum Co.	2,555,135	27,110
SM Energy Co.	1,413,884	23,372
*^ Matador Resources Co.	1,082,192	23,126
Pattern Energy Group Inc. Class A	890,724	21,235
* Laredo Petroleum Inc.	2,002,907	21,071
* Extraction Oil & Gas Inc.	1,419,335	19,090
* Carrizo Oil & Gas Inc.	984,055	17,142
* RPC Inc.	830,228	16,779
* Energen Corp.	308,721	15,242
*^ Centennial Resource Development Inc. Class A	526,323	8,326
* Newpark Resources Inc.	1,072,666	7,884
* SEACOR Holdings Inc.	201,484	6,911
*^ Keane Group Inc.	400,453	6,407
*^ Jagged Peak Energy Inc.	412,862	5,512
* SEACOR Marine Holdings Inc.	202,563	4,124
*^ Sanchez Energy Corp.	444,579	3,192
*^ Flotek Industries Inc.	345,690	3,091
*^ Tellurian Inc.	307,261	3,082
*^ WildHorse Resource Development Corp.	238,252	2,947
* Eclipse Resources Corp.	501,322	1,434
*^ Cobalt International Energy Inc.	214,321	529
* Bill Barrett Corp.	89	—
		827,372

Other (0.0%)²

* Dyax Corp. CVR Exp. 12/31/2019	1,798,309	3,597
* Media General Inc. CVR	1,362,047	405

	Shares	Market Value (\$000)
* Clinical Data CVR	132,154	—
		4,002
Technology (16.4%)		
* Cadence Design Systems Inc.	3,558,277	119,167
* IAC/InterActiveCorp	927,763	95,782
SS&C Technologies Holdings Inc.	2,206,890	84,767
* PTC Inc.	1,470,270	81,041
* Tyler Technologies Inc.	448,418	78,774
* Ultimate Software Group Inc.	359,281	75,471
* Veeva Systems Inc. Class A	1,230,407	75,436
* athenahealth Inc.	506,996	71,258
* Fortinet Inc.	1,901,449	71,190
* Square Inc.	2,780,370	65,227
* Guidewire Software Inc.	941,165	64,667
* Medidata Solutions Inc.	705,681	55,184
Fair Isaac Corp.	394,139	54,947
* EPAM Systems Inc.	626,835	52,711
Blackbaud Inc.	611,399	52,427
* Aspen Technology Inc.	948,192	52,397
* Cirrus Logic Inc.	813,228	51,006
* Cavium Inc.	820,807	50,997
j2 Global Inc.	582,742	49,586
* Tableau Software Inc. Class A	763,226	46,763
MKS Instruments Inc.	688,705	46,350
* ViaSat Inc.	696,366	46,099
* Proofpoint Inc.	528,693	45,906
Monolithic Power Systems Inc.	472,732	45,571
* Ellie Mae Inc.	412,013	45,284
* Ciena Corp.	1,798,742	45,005
* Arista Networks Inc.	297,938	44,628
* GoDaddy Inc. Class A	1,001,931	42,502
* Manhattan Associates Inc.	883,959	42,483
* Lumentum Holdings Inc.	739,407	42,183
* Integrated Device Technology Inc.	1,608,415	41,481
*^ Paycom Software Inc.	605,186	41,401
* Entegris Inc.	1,803,422	39,585
* NetScout Systems Inc.	1,110,027	38,185
* Finisar Corp.	1,418,080	36,842
* Silicon Laboratories Inc.	538,357	36,797
InterDigital Inc.	441,573	34,134
* Dycom Industries Inc.	379,328	33,957
* ACI Worldwide Inc.	1,500,149	33,558
* Zendesk Inc.	1,194,781	33,191
* Advanced Energy Industries Inc.	505,456	32,698
*^ FireEye Inc.	2,040,151	31,031
* Allscripts Healthcare Solutions Inc.	2,306,084	29,426
* CommVault Systems Inc.	514,099	29,021
* Electronics For Imaging Inc.	590,505	27,978
* HubSpot Inc.	418,039	27,486
*^ 2U Inc.	574,019	26,933
* RealPage Inc.	735,560	26,443
Power Integrations Inc.	358,483	26,133
* RingCentral Inc. Class A	712,579	26,045
*^ 3D Systems Corp.	1,383,532	25,872
Pegasystems Inc.	441,104	25,738
* Mercury Systems Inc.	579,257	24,381
* Cornerstone OnDemand Inc.	654,607	23,402
* MicroStrategy Inc. Class A	119,459	22,897
*^ Synaptics Inc.	435,945	22,543
Plantronics Inc.	424,867	22,225
*^ Twilio Inc. Class A	745,264	21,695
* Envestnet Inc.	528,493	20,928
* MaxLinear Inc.	748,718	20,882
Cogent Communications Holdings Inc.	520,304	20,864

Vanguard® Small-Cap Growth Index Fund
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	Shares	Market Value (\$000)
* New Relic Inc.	476,045	20,475
* Infinera Corp.	1,862,350	19,871
Xperi Corp.	629,664	18,764
* Box Inc.	941,261	17,169
* BroadSoft Inc.	390,205	16,798
* Gigamon Inc.	421,923	16,603
*^ Inphi Corp.	483,408	16,581
* Rambus Inc.	1,436,222	16,416
*^ Ubiquiti Networks Inc.	305,934	15,899
NIC Inc.	799,387	15,148
*^ Pure Storage Inc. Class A	1,123,479	14,392
* Bottomline Technologies de Inc.	488,932	12,561
* CEVA Inc.	274,458	12,474
* Super Micro Computer Inc.	499,468	12,312
* Diodes Inc.	461,067	11,079
* Barracuda Networks Inc.	470,838	10,858
* Lattice Semiconductor Corp.	1,490,471	9,927
Monotype Imaging Holdings Inc.	537,116	9,829
* Shutterstock Inc.	219,645	9,682
* Cray Inc.	511,902	9,419
*^ Acacia Communications Inc.	221,009	9,165
Brooks Automation Inc.	420,332	9,117
*^ Nutanix Inc.	438,007	8,826
*^ Gogo Inc.	723,121	8,338
* LivePerson Inc.	669,761	7,367
*^ Benefitfocus Inc.	197,276	7,171
* Blackline Inc.	199,617	7,134
* Endurance International Group Holdings Inc.	824,046	6,881
* Loral Space & Communications Inc.	165,414	6,873
ADTRAN Inc.	312,254	6,448
* CommerceHub Inc.	367,408	6,408
* Hortonworks Inc.	488,021	6,286
* FormFactor Inc.	454,385	5,634
* Actua Corp.	384,451	5,402
* Virtusa Corp.	173,089	5,089
* Match Group Inc.	292,317	5,080
Forrester Research Inc.	128,938	5,048
* Calix Inc.	540,027	3,699
* Rapid7 Inc.	216,949	3,651
* Synchronoss Technologies Inc.	220,995	3,635
Syntel Inc.	212,519	3,604
* CommerceHub Inc. Class A	174,133	3,033
* Castlight Health Inc. Class B	588,601	2,443
* MobileIron Inc.	322,209	1,949
* WideOpenWest Inc.	111,995	1,949
* Harmonic Inc.	248,875	1,307
*^ SecureWorks Corp. Class A	102,226	950
*^ Appian Corp.	39,707	721
* Okta Inc.	14	—
* Cloudera Inc.	16	—
* Yext Inc.	11	—
		3,128,026
Telecommunications (0.3%)		
*^ Globalstar Inc.	5,619,037	11,969
Cincinnati Bell Inc.	543,026	10,616
Windstream Holdings Inc.	2,420,937	9,393
ATN International Inc.	135,400	9,267
Shenandoah Telecommunications Co.	299,646	9,199
* Straight Path Communications Inc. Class B	40,889	7,346
		57,790
Utilities (0.3%)		
Ormat Technologies Inc.	505,334	29,653
* TerraForm Power Inc. Class A	588,297	7,059
*^ Sunrun Inc.	933,401	6,646

Vanguard® Small-Cap Growth Index Fund
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		Shares	Market Value (\$000)
* Dynegey Inc.		709,505	5,868
*^ Vivint Solar Inc.		286,815	1,678
			<u>50,904</u>
Total Common Stocks (Cost \$14,458,677)			19,056,079
Coupon			
Temporary Cash Investments (2.2%)¹			
Money Market Fund (2.1%)			
^{3,4} Vanguard Market Liquidity Fund	1.181%	4,052,800	405,361
		Maturity Date	Face Amount (\$000)
U.S. Government and Agency Obligations (0.1%)			
United States Treasury Bill	0.982%	9/7/17	400
⁵ United States Treasury Bill	0.923%-0.994%	9/21/17	6,000
			<u>5,987</u>
			6,386
Total Temporary Cash Investments (Cost \$411,690)			411,747
Total Investments (101.9%) (Cost \$14,870,367)			19,467,826
Other Assets and Liabilities—Net (-1.9%)⁴			(361,576)
Net Assets (100%)			19,106,250

* Non-income-producing security.

^ Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$338,555,000.

1 The fund invests a portion of its cash reserves in equity markets through the use of index futures contracts. After giving effect to futures investments, the fund's effective common stock and temporary cash investment positions represent 100.0% and 1.9%, respectively, of net assets.

2 "Other" represents securities that are not classified by the fund's benchmark index.

3 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

4 Includes \$355,741,000 of collateral received for securities on loan.

5 Securities with a value of \$2,594,000 have been segregated as initial margin for open futures contracts.

CVR—Contingent Value Rights.

REIT—Real Estate Investment Trust.

	Shares	Market Value (\$000)
Common Stocks (99.6%)¹		
Basic Materials (6.1%)		
Steel Dynamics Inc.	3,449,324	123,520
RPM International Inc.	2,008,288	109,552
Chemours Co.	2,770,155	105,044
Huntsman Corp.	3,063,988	79,174
Olin Corp.	2,491,486	75,442
Ashland Global Holdings Inc.	930,079	61,302
Scotts Miracle-Gro Co.	671,162	60,042
United States Steel Corp.	2,623,564	58,086
Sensient Technologies Corp.	665,004	53,553
PolyOne Corp.	1,229,161	47,618
* Alcoa Corp.	1,385,700	45,243
Cabot Corp.	798,805	42,680
HB Fuller Co.	760,528	38,871
* CONSOL Energy Inc.	2,417,191	36,113
Domtar Corp.	939,943	36,113
Commercial Metals Co.	1,737,953	33,768
Worthington Industries Inc.	669,273	33,611
^ Compass Minerals International Inc.	507,734	33,155
* GCP Applied Technologies Inc.	1,019,375	31,091
* AK Steel Holding Corp.	4,727,598	31,060
*^ Cliffs Natural Resources Inc.	4,454,003	30,822
*^ Peabody Energy Corp.	1,255,907	30,707
^ Allegheny Technologies Inc.	1,634,808	27,808
Quaker Chemical Corp.	189,633	27,540
Versum Materials Inc.	817,298	26,562
Stepan Co.	303,849	26,477
Carpenter Technology Corp.	702,550	26,296
Innospec Inc.	362,216	23,743
* Coeur Mining Inc.	2,728,434	23,410
^ Arch Coal Inc. Class A	319,988	21,855
Kaiser Aluminum Corp.	245,430	21,726
* Univar Inc.	738,034	21,551
Minerals Technologies Inc.	264,030	19,327
* Kraton Corp.	469,991	16,187
Hecla Mining Co.	2,984,311	15,220
A Schulman Inc.	423,427	13,550
Tronox Ltd. Class A	891,685	13,482
Innophos Holdings Inc.	294,187	12,897
PH Glatfelter Co.	651,234	12,725
* Ferro Corp.	632,300	11,565
* Clearwater Paper Corp.	246,790	11,537
* Century Aluminum Co.	725,992	11,311
* Koppers Holdings Inc.	311,172	11,249
Rayonier Advanced Materials Inc.	654,351	10,286
Tredegar Corp.	469,355	7,158
Haynes International Inc.	187,011	6,790
Kronos Worldwide Inc.	346,730	6,317
* SunCoke Energy Inc.	500,492	5,455
FutureFuel Corp.	339,735	5,127
Warrior Met Coal Inc.	239,918	4,110
* Rolute Forest Products Inc.	902,012	3,969
		1,641,797
Consumer Goods (7.1%)		
Pinnacle Foods Inc.	1,784,292	105,987
Leggett & Platt Inc.	1,989,283	104,497
Thor Industries Inc.	751,465	78,543
Valvoline Inc.	3,071,829	72,864
*^ Herbalife Ltd.	980,827	69,962
Goodyear Tire & Rubber Co.	1,890,907	66,106
* Edgewell Personal Care Co.	862,488	65,566
Ingredion Inc.	538,029	64,138

Vanguard® Small-Cap Value Index Fund
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	Shares	Market Value (\$000)
* US Foods Holding Corp.	2,168,907	59,038
* Visteon Corp.	477,636	48,748
Dana Inc.	2,173,305	48,530
Nu Skin Enterprises Inc. Class A	754,566	47,417
Tenneco Inc.	812,910	47,011
Flowers Foods Inc.	2,673,771	46,283
Energizer Holdings Inc.	929,793	44,649
^ Spectrum Brands Holdings Inc.	353,957	44,259
Tupperware Brands Corp.	610,428	42,870
* Darling Ingredients Inc.	2,478,084	39,005
Wolverine World Wide Inc.	1,386,197	38,827
* Helen of Troy Ltd.	407,304	38,327
Snyder's-Lance Inc.	1,090,757	37,762
* Deckers Outdoor Corp.	479,373	32,722
Sanderson Farms Inc.	273,080	31,582
KB Home	1,280,880	30,703
Cooper Tire & Rubber Co.	795,124	28,704
Herman Miller Inc.	898,100	27,302
* Cooper-Standard Holdings Inc.	268,305	27,064
HNI Corp.	664,918	26,510
Fresh Del Monte Produce Inc.	499,324	25,421
* Avon Products Inc.	6,610,509	25,120
* Taylor Morrison Home Corp. Class A	1,034,636	24,842
Universal Corp.	379,863	24,577
La-Z-Boy Inc.	733,799	23,848
Dean Foods Co.	1,366,026	23,222
MDC Holdings Inc.	620,549	21,924
* American Axle & Manufacturing Holdings Inc.	1,255,246	19,582
* Vista Outdoor Inc.	858,633	19,328
* ACCO Brands Corp.	1,562,803	18,207
Lancaster Colony Corp.	144,696	17,743
Seaboard Corp.	4,417	17,646
Schweitzer-Mauduit International Inc.	461,090	17,166
*^ Cal-Maine Foods Inc.	428,764	16,979
Steelcase Inc. Class A	1,178,579	16,500
* Central Garden & Pet Co. Class A	511,864	15,366
Briggs & Stratton Corp.	610,574	14,715
* G-III Apparel Group Ltd.	587,021	14,646
Knoll Inc.	707,403	14,183
Andersons Inc.	385,804	13,175
Columbia Sportswear Co.	210,617	12,228
Ethan Allen Interiors Inc.	376,745	12,169
* Modine Manufacturing Co.	719,017	11,900
Inter Parfums Inc.	259,830	9,523
National Presto Industries Inc.	73,846	8,160
* Crocs Inc.	1,052,384	8,114
^ Tootsie Roll Industries Inc.	231,075	8,053
Superior Industries International Inc.	353,800	7,271
*^ Fossil Group Inc.	615,907	6,375
Movado Group Inc.	238,464	6,021
Phibro Animal Health Corp. Class A	143,277	5,308
* Central Garden & Pet Co.	158,264	5,031
* Iconix Brand Group Inc.	725,202	5,011
* Eastman Kodak Co.	539,804	4,912
Titan International Inc.	379,229	4,555
* Vera Bradley Inc.	149,260	1,460
		1,915,257
Consumer Services (10.6%)		
* JetBlue Airways Corp.	5,016,322	114,523
Service Corp. International	2,686,028	89,848
KAR Auction Services Inc.	2,062,704	86,572
Cinemark Holdings Inc.	1,573,867	61,145
^ Cracker Barrel Old Country Store Inc.	361,168	60,405
Dun & Bradstreet Corp.	554,306	59,948

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	Shares	Market Value (\$000)
Williams-Sonoma Inc.	1,173,913	56,935
Extended Stay America Inc.	2,761,657	53,466
* Cabela's Inc.	828,959	49,257
Cable One Inc.	68,833	48,933
H&R Block Inc.	1,557,006	48,127
Chemed Corp.	229,673	46,975
* Rite Aid Corp.	15,830,373	46,700
TEGNA Inc.	3,228,971	46,529
Tribune Media Co. Class A	1,110,969	45,294
* Beacon Roofing Supply Inc.	906,565	44,422
Wendy's Co.	2,769,206	42,950
* Sally Beauty Holdings Inc.	2,068,408	41,885
Office Depot Inc.	7,384,257	41,647
Aaron's Inc.	1,063,077	41,354
Dolby Laboratories Inc. Class A	828,498	40,563
Graham Holdings Co. Class B	66,165	39,676
* ServiceMaster Global Holdings Inc.	1,008,429	39,520
* Murphy USA Inc.	525,996	38,982
Sinclair Broadcast Group Inc. Class A	1,158,679	38,121
John Wiley & Sons Inc. Class A	688,941	36,342
Meredith Corp.	591,963	35,192
Regal Entertainment Group Class A	1,700,800	34,798
New York Times Co. Class A	1,930,012	34,161
* Performance Food Group Co.	1,245,612	34,130
GameStop Corp. Class A	1,520,303	32,854
Signet Jewelers Ltd.	514,683	32,549
Big Lots Inc.	672,318	32,473
AMERCO	88,320	32,330
* Adtalem Global Education Inc.	846,448	32,123
Lithia Motors Inc. Class A	339,171	31,960
* Avis Budget Group Inc.	1,139,207	31,066
Hillenbrand Inc.	850,991	30,721
* Acxiom Corp.	1,119,587	29,087
American Eagle Outfitters Inc.	2,393,635	28,843
Bloomin' Brands Inc.	1,354,793	28,762
* Cars.com Inc.	1,075,136	28,631
Matthews International Corp. Class A	459,664	28,154
Brinker International Inc.	734,916	28,000
* United Natural Foods Inc.	760,080	27,895
* Spirit Airlines Inc.	521,032	26,911
* Penn National Gaming Inc.	1,232,155	26,368
SkyWest Inc.	738,408	25,918
Children's Place Inc.	250,478	25,574
Penske Automotive Group Inc.	518,199	22,754
* AutoNation Inc.	533,243	22,482
ILG Inc.	797,356	21,919
Core-Mark Holding Co. Inc.	661,871	21,881
Bob Evans Farms Inc.	297,515	21,371
* Urban Outfitters Inc.	1,137,573	21,091
* MSG Networks Inc.	925,047	20,767
* ^ JC Penney Co. Inc.	4,411,358	20,513
Group 1 Automotive Inc.	307,125	19,447
* Houghton Mifflin Harcourt Co.	1,575,926	19,384
Time Inc.	1,347,626	19,338
* La Quinta Holdings Inc.	1,238,085	18,287
Chico's FAS Inc.	1,853,191	17,457
DSW Inc. Class A	978,934	17,327
* Rush Enterprises Inc. Class A	465,564	17,310
Caleres Inc.	615,634	17,102
SeaWorld Entertainment Inc.	1,025,640	16,687
* Asbury Automotive Group Inc.	285,683	16,155
* Caesars Acquisition Co. Class A	835,666	15,919
HSN Inc.	473,760	15,113
Gannett Co. Inc.	1,713,592	14,943

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	Shares	Market Value (\$000)
Strayer Education Inc.	160,014	14,917
Boyd Gaming Corp.	597,375	14,821
*^ Weight Watchers International Inc.	435,589	14,557
Capella Education Co.	165,403	14,158
* Herc Holdings Inc.	360,003	14,155
Scholastic Corp.	323,848	14,117
International Speedway Corp. Class A	362,013	13,594
* SUPERVALU Inc.	4,043,607	13,303
^ Dillard's Inc. Class A	226,425	13,062
Abercrombie & Fitch Co.	1,026,838	12,774
DineEquity Inc.	258,270	11,377
Guess? Inc.	876,603	11,203
*^ Hertz Global Holdings Inc.	834,028	9,591
* Genesco Inc.	282,316	9,571
* K12 Inc.	515,574	9,239
Rent-A-Center Inc.	755,643	8,856
* Bankrate Inc.	669,176	8,599
* Laureate Education Inc. Class A	473,699	8,304
^ GNC Holdings Inc. Class A	971,570	8,190
Tailored Brands Inc.	733,367	8,184
Buckle Inc.	438,209	7,800
* Express Inc.	1,114,514	7,523
* EW Scripps Co. Class A	421,229	7,502
Finish Line Inc. Class A	512,836	7,267
Sonic Automotive Inc. Class A	369,670	7,190
*^ Party City Holdco Inc.	446,765	6,992
* Biglari Holdings Inc.	17,473	6,985
Weis Markets Inc.	140,727	6,856
Barnes & Noble Inc.	872,225	6,629
* Hibbett Sports Inc.	318,194	6,603
Cato Corp. Class A	350,859	6,172
Pier 1 Imports Inc.	1,163,001	6,036
*^ Ascena Retail Group Inc.	2,769,836	5,955
* Liberty TripAdvisor Holdings Inc. Class A	512,106	5,940
* Barnes & Noble Education Inc.	535,327	5,691
* American Public Education Inc.	236,913	5,603
* Regis Corp.	537,010	5,515
* Caesars Entertainment Corp.	454,657	5,456
New Media Investment Group Inc.	393,312	5,302
^ Fred's Inc. Class A	550,307	5,079
* FTD Cos. Inc.	252,091	5,042
* Bridgepoint Education Inc.	284,833	4,204
* Smart & Final Stores Inc.	395,726	3,601
* Zumiez Inc.	288,319	3,561
National CineMedia Inc.	470,842	3,494
Speedway Motorsports Inc.	189,785	3,467
* Rush Enterprises Inc. Class B	94,530	3,442
*^ Lands' End Inc.	197,061	2,936
*^ Sears Holdings Corp.	320,379	2,839
Clear Channel Outdoor Holdings Inc. Class A	550,397	2,669
* Vitamin Shoppe Inc.	178,179	2,076
* Blue Apron Holdings Inc. Class A	37,133	347
		2,854,212
Financials (30.9%)		
East West Bancorp Inc.	2,171,895	127,230
American Financial Group Inc.	1,054,180	104,754
Apartment Investment & Management Co.	2,361,090	101,456
Liberty Property Trust	2,213,877	90,127
National Retail Properties Inc.	2,243,077	87,704
Starwood Property Trust Inc.	3,914,363	87,643
RenaissanceRe Holdings Ltd.	611,000	84,960
* Janus Henderson Group plc	2,520,851	83,465
Cullen/Frost Bankers Inc.	864,435	81,179
EPR Properties	1,107,652	79,607

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	Shares	Market Value (\$000)
Commerce Bancshares Inc.	1,373,606	78,062
Highwoods Properties Inc.	1,534,673	77,823
Eaton Vance Corp.	1,640,190	77,614
Synovus Financial Corp.	1,745,741	77,232
Brown & Brown Inc.	1,790,708	77,126
Assured Guaranty Ltd.	1,829,526	76,364
First American Financial Corp.	1,660,062	74,188
Old Republic International Corp.	3,760,833	73,449
Senior Housing Properties Trust	3,573,416	73,041
Webster Financial Corp.	1,384,847	72,317
New Residential Investment Corp.	4,615,721	71,821
DuPont Fabros Technology Inc.	1,169,065	71,500
Navient Corp.	4,279,606	71,255
FNB Corp.	4,852,735	68,715
Hospitality Properties Trust	2,343,778	68,321
Realogy Holdings Corp.	2,103,894	68,271
Allied World Assurance Co. Holdings AG	1,248,357	66,038
Wintrust Financial Corp.	836,061	63,909
Popular Inc.	1,531,855	63,894
Prosperity Bancshares Inc.	991,595	63,700
IBERIABANK Corp.	765,548	62,392
* MGIC Investment Corp.	5,565,793	62,337
Hancock Holding Co.	1,269,486	62,205
First Horizon National Corp.	3,512,960	61,196
Umpqua Holdings Corp.	3,310,515	60,781
Apple Hospitality REIT Inc.	3,182,649	59,547
* Equity Commonwealth	1,863,498	58,887
Validus Holdings Ltd.	1,129,260	58,688
United Bankshares Inc.	1,496,164	58,650
Associated Banc-Corp	2,288,103	57,660
Hanover Insurance Group Inc.	639,086	56,642
Rayonier Inc.	1,935,190	55,675
Weingarten Realty Investors	1,832,335	55,153
GEO Group Inc.	1,864,649	55,138
LPL Financial Holdings Inc.	1,289,415	54,749
BankUnited Inc.	1,605,154	54,110
CNO Financial Group Inc.	2,574,396	53,753
Sunstone Hotel Investors Inc.	3,312,000	53,389
Bank of Hawaii Corp.	641,896	53,258
Radian Group Inc.	3,231,767	52,839
WP Carey Inc.	800,441	52,837
MB Financial Inc.	1,197,177	52,724
Two Harbors Investment Corp.	5,241,669	51,945
Primerica Inc.	683,822	51,800
Chemical Financial Corp.	1,068,935	51,747
Taubman Centers Inc.	866,598	51,606
LaSalle Hotel Properties	1,701,222	50,696
UMB Financial Corp.	674,439	50,489
First Industrial Realty Trust Inc.	1,762,377	50,439
Legg Mason Inc.	1,317,766	50,286
MFA Financial Inc.	5,955,742	49,969
Chimera Investment Corp.	2,680,380	49,935
Fulton Financial Corp.	2,627,704	49,926
CoreCivic Inc.	1,775,593	48,971
Empire State Realty Trust Inc.	2,357,709	48,970
Omega Healthcare Investors Inc.	1,478,943	48,835
ProAssurance Corp.	802,322	48,781
Outfront Media Inc.	2,083,780	48,177
White Mountains Insurance Group Ltd.	54,979	47,756
Erie Indemnity Co. Class A	381,528	47,718
* SLM Corp.	4,064,768	46,745
National Health Investors Inc.	585,391	46,363
Brandywine Realty Trust	2,635,960	46,208
Piedmont Office Realty Trust Inc. Class A	2,185,487	46,070

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	Shares	Market Value (\$000)
* Stifel Financial Corp.	978,035	44,970
Aspen Insurance Holdings Ltd.	902,061	44,968
Washington Federal Inc.	1,345,385	44,667
Valley National Bancorp	3,771,788	44,545
Selective Insurance Group Inc.	876,197	43,854
Retail Properties of America Inc.	3,563,020	43,504
Cathay General Bancorp	1,140,862	43,296
Blackstone Mortgage Trust Inc. Class A	1,354,813	42,812
BGC Partners Inc. Class A	3,386,533	42,806
Assurant Inc.	412,151	42,736
Glacier Bancorp Inc.	1,152,843	42,206
PacWest Bancorp	901,830	42,115
Forest City Realty Trust Inc. Class A	1,730,120	41,817
First Financial Bankshares Inc.	945,479	41,790
Columbia Property Trust Inc.	1,842,441	41,234
EastGroup Properties Inc.	484,460	40,598
First Midwest Bancorp Inc.	1,691,133	39,420
Federated Investors Inc. Class B	1,381,071	39,015
Community Bank System Inc.	692,149	38,601
BancorpSouth Inc.	1,237,838	37,754
TCF Financial Corp.	2,320,990	36,997
Washington REIT	1,156,228	36,884
Interactive Brokers Group Inc.	972,544	36,393
Hope Bancorp Inc.	1,935,148	36,091
Great Western Bancorp Inc.	881,911	35,991
South State Corp.	418,391	35,856
RLJ Lodging Trust	1,783,137	35,431
American National Insurance Co.	303,764	35,385
Acadia Realty Trust	1,271,874	35,358
CVB Financial Corp.	1,570,482	35,226
Old National Bancorp	2,032,824	35,066
Columbia Banking System Inc.	875,667	34,895
RLI Corp.	629,146	34,364
First Citizens BancShares Inc. Class A	90,847	33,859
Care Capital Properties Inc.	1,265,971	33,801
American Equity Investment Life Holding Co.	1,265,908	33,268
Mack-Cali Realty Corp.	1,214,032	32,949
DiamondRock Hospitality Co.	3,005,563	32,911
* HRG Group Inc.	1,806,284	31,989
Trustmark Corp.	966,148	31,071
Xenia Hotels & Resorts Inc.	1,603,366	31,057
LTC Properties Inc.	594,167	30,534
International Bancshares Corp.	843,204	29,554
BOK Financial Corp.	343,937	28,935
Park Hotels & Resorts Inc.	1,048,351	28,264
* Genworth Financial Inc. Class A	7,494,728	28,255
United Community Banks Inc.	1,012,899	28,159
Invesco Mortgage Capital Inc.	1,676,205	28,009
Potlatch Corp.	609,925	27,874
Renasant Corp.	633,605	27,714
Astoria Financial Corp.	1,375,377	27,714
Lexington Realty Trust	2,709,464	26,851
Banner Corp.	473,848	26,777
Capitol Federal Financial Inc.	1,867,077	26,531
^ Government Properties Income Trust	1,444,783	26,454
Argo Group International Holdings Ltd.	430,401	26,082
Independent Bank Corp.	387,367	25,818
* Quality Care Properties Inc.	1,406,668	25,756
* PRA Group Inc.	663,140	25,133
WesBanco Inc.	629,489	24,890
* Enstar Group Ltd.	123,798	24,592
First Financial Bancorp	885,773	24,536
* Green Dot Corp. Class A	635,621	24,490
Monogram Residential Trust Inc.	2,507,789	24,351

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	Shares	Market Value (\$000)
NBT Bancorp Inc.	651,671	24,079
Kemper Corp.	615,865	23,772
Washington Prime Group Inc.	2,787,794	23,334
Horace Mann Educators Corp.	611,394	23,111
Provident Financial Services Inc.	900,351	22,851
Select Income REIT	940,492	22,600
^ Waddell & Reed Financial Inc. Class A	1,194,381	22,550
Sterling Bancorp	968,709	22,522
First Hawaiian Inc.	734,723	22,497
Mercury General Corp.	415,494	22,437
Global Net Lease Inc.	998,898	22,215
New York REIT Inc.	2,524,922	21,815
^ CBL & Associates Properties Inc.	2,573,000	21,690
Artisan Partners Asset Management Inc. Class A	703,498	21,597
Northwest Bancshares Inc.	1,381,214	21,561
Westamerica Bancorporation	375,026	21,016
Chesapeake Lodging Trust	858,432	21,006
* Santander Consumer USA Holdings Inc.	1,623,107	20,711
* Walker & Dunlop Inc.	423,270	20,668
Navigators Group Inc.	375,807	20,632
Berkshire Hills Bancorp Inc.	577,901	20,313
Park National Corp.	194,995	20,225
* OneMain Holdings Inc. Class A	814,813	20,036
Redwood Trust Inc.	1,157,609	19,726
Employers Holdings Inc.	460,116	19,463
CYS Investments Inc.	2,283,098	19,201
Tanger Factory Outlet Centers Inc.	726,333	18,870
First Commonwealth Financial Corp.	1,466,412	18,594
Boston Private Financial Holdings Inc.	1,200,120	18,422
* KCG Holdings Inc. Class A	916,119	18,267
S&T Bancorp Inc.	498,323	17,870
* MBIA Inc.	1,852,706	17,471
PennyMac Mortgage Investment Trust	954,352	17,455
Tompkins Financial Corp.	216,505	17,043
Franklin Street Properties Corp.	1,536,434	17,024
Brookline Bancorp Inc.	1,093,363	15,963
AmTrust Financial Services Inc.	1,032,802	15,637
ARMOUR Residential REIT Inc.	622,495	15,562
Beneficial Bancorp Inc.	1,034,433	15,517
Ladder Capital Corp. Class A	1,139,476	15,280
* First BanCorp	2,634,463	15,254
National General Holdings Corp.	720,453	15,202
State Bank Financial Corp.	555,822	15,074
Capstead Mortgage Corp.	1,444,180	15,063
* FNFV Group	951,536	15,034
First Interstate BancSystem Inc. Class A	401,395	14,932
Safety Insurance Group Inc.	216,965	14,819
Infinity Property & Casualty Corp.	157,601	14,814
City Holding Co.	223,872	14,746
Universal Health Realty Income Trust	183,804	14,620
Apollo Commercial Real Estate Finance Inc.	781,749	14,501
* Encore Capital Group Inc.	349,423	14,029
Central Pacific Financial Corp.	437,734	13,775
United Fire Group Inc.	302,738	13,339
Nelnet Inc. Class A	278,403	13,088
MTGE Investment Corp.	691,428	12,999
Piper Jaffray Cos.	216,013	12,950
* iStar Inc.	1,034,816	12,459
Maiden Holdings Ltd.	1,111,389	12,336
American Assets Trust Inc.	302,618	11,920
BancFirst Corp.	120,116	11,603
Investors Real Estate Trust	1,842,526	11,442
Pennsylvania REIT	1,001,511	11,337
Sabra Health Care REIT Inc.	469,980	11,327

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	Shares	Market Value (\$000)
Summit Hotel Properties Inc.	599,599	11,183
Virtus Investment Partners Inc.	100,171	11,114
Hersha Hospitality Trust Class A	600,226	11,110
* Forestar Group Inc.	633,261	10,860
National Western Life Group Inc. Class A	33,810	10,806
Getty Realty Corp.	418,313	10,500
Saul Centers Inc.	178,440	10,346
Oritani Financial Corp.	590,385	10,066
First Potomac Realty Trust	885,873	9,842
* Greenlight Capital Re Ltd. Class A	447,117	9,345
* Flagstar Bancorp Inc.	302,748	9,331
FBL Financial Group Inc. Class A	150,362	9,247
Dime Community Bancshares Inc.	450,183	8,824
Anworth Mortgage Asset Corp.	1,429,993	8,594
NRG Yield Inc.	472,815	8,322
Ashford Hospitality Trust Inc.	1,311,380	7,973
* Nationstar Mortgage Holdings Inc.	438,608	7,847
Ramco-Gershenson Properties Trust	593,460	7,656
AG Mortgage Investment Trust Inc.	414,288	7,581
Greenhill & Co. Inc.	353,988	7,115
^ Virtu Financial Inc. Class A	397,585	7,017
* MoneyGram International Inc.	403,994	6,969
OFG Bancorp	657,082	6,571
^ Seritage Growth Properties Class A	146,474	6,145
State Auto Financial Corp.	225,836	5,811
OneBeacon Insurance Group Ltd. Class A	315,915	5,759
* Ambac Financial Group Inc.	316,778	5,496
Fidelity & Guaranty Life	176,387	5,477
Northfield Bancorp Inc.	316,623	5,430
Investment Technology Group Inc.	235,326	4,998
* World Acceptance Corp.	65,612	4,915
Houlihan Lokey Inc. Class A	140,039	4,887
NRG Yield Inc. Class A	258,686	4,413
*^ Altisource Portfolio Solutions SA	169,508	3,699
KKR Real Estate Finance Trust Inc.	156,124	3,357
* EZCORP Inc. Class A	378,979	2,918
Associated Capital Group Inc. Class A	75,330	2,561
Canadian Imperial Bank of Commerce	30,387	2,466
Ashford Hospitality Prime Inc.	226,743	2,333
* Tejon Ranch Co.	106,000	2,188
GAMCO Investors Inc. Class A	72,090	2,134
* Ocwen Financial Corp.	652,264	1,755
		8,295,857
Health Care (6.2%)		
Teleflex Inc.	676,077	140,462
* WellCare Health Plans Inc.	668,918	120,111
* United Therapeutics Corp.	677,765	87,926
Hill-Rom Holdings Inc.	989,314	78,759
*^ Kite Pharma Inc.	721,861	74,835
* Charles River Laboratories International Inc.	715,526	72,376
* Alere Inc.	1,306,728	65,585
HealthSouth Corp.	1,278,093	61,860
Patterson Cos. Inc.	1,240,203	58,228
* Envision Healthcare Corp.	882,920	55,333
STERIS plc	638,217	52,015
* Molina Healthcare Inc.	642,876	44,474
* VWR Corp.	1,287,671	42,506
* Prestige Brands Holdings Inc.	796,591	42,068
* Brookdale Senior Living Inc.	2,801,102	41,204
* LifePoint Health Inc.	607,416	40,788
* Sage Therapeutics Inc.	505,752	40,278
* Endo International plc	3,024,534	33,784
* Mallinckrodt plc	746,352	33,444
* Clovis Oncology Inc.	325,462	30,473

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	Shares	Market Value (\$000)
Owens & Minor Inc.	919,029	29,584
* Halyard Health Inc.	701,476	27,554
*^ Myriad Genetics Inc.	1,023,680	26,452
* Magellan Health Inc.	356,262	25,972
* Integra LifeSciences Holdings Corp.	454,505	24,775
* Select Medical Holdings Corp.	1,595,895	24,497
* Portola Pharmaceuticals Inc.	428,496	24,069
*^ Tenet Healthcare Corp.	1,209,302	23,388
CONMED Corp.	376,402	19,174
*^ Juno Therapeutics Inc.	599,242	17,911
* Impax Laboratories Inc.	1,109,562	17,864
* Community Health Systems Inc.	1,642,605	16,360
* LHC Group Inc.	234,219	15,901
* Haemonetics Corp.	395,399	15,614
* Global Blood Therapeutics Inc.	558,943	15,287
*^ Synergy Pharmaceuticals Inc.	3,222,768	14,341
Kindred Healthcare Inc.	1,227,638	14,302
* Aerie Pharmaceuticals Inc.	260,759	13,703
* Merit Medical Systems Inc.	357,888	13,653
*^ Aimmune Therapeutics Inc.	495,521	10,188
National HealthCare Corp.	140,340	9,843
Ensign Group Inc.	360,097	7,839
Invacare Corp.	485,019	6,402
* Intra-Cellular Therapies Inc. Class A	500,574	6,217
* PDL BioPharma Inc.	2,407,160	5,946
* PTC Therapeutics Inc.	293,008	5,371
* Lannett Co. Inc.	236,679	4,828
* AMAG Pharmaceuticals Inc.	262,112	4,823
*^ Celldex Therapeutics Inc.	1,803,351	4,454
*^ American Renal Associates Holdings Inc.	163,088	3,025
*^ NantKwest Inc.	184,156	1,398
* Wright Medical Group Inc. CVR	71,097	108
		1,667,352
Industrials (20.1%)		
IDEX Corp.	1,147,141	129,638
Allegion plc	1,432,540	116,208
PerkinElmer Inc.	1,654,377	112,729
Spirit AeroSystems Holdings Inc. Class A	1,813,702	105,086
Carlisle Cos. Inc.	971,580	92,689
Donaldson Co. Inc.	1,986,754	90,477
Orbital ATK Inc.	868,243	85,400
Lincoln Electric Holdings Inc.	889,426	81,907
AptarGroup Inc.	937,639	81,443
Packaging Corp. of America	707,431	78,801
Oshkosh Corp.	1,123,390	77,379
MDU Resources Group Inc.	2,937,873	76,972
Sonoco Products Co.	1,492,669	76,753
* AECOM	2,338,904	75,617
* Quanta Services Inc.	2,224,554	73,232
Jabil Inc.	2,464,005	71,924
BWX Technologies Inc.	1,413,319	68,899
Booz Allen Hamilton Holding Corp. Class A	2,110,572	68,678
AGCO Corp.	1,014,907	68,395
Broadridge Financial Solutions Inc.	882,972	66,717
Huntington Ingalls Industries Inc.	345,684	64,353
Graphic Packaging Holding Co.	4,664,510	64,277
Trinity Industries Inc.	2,285,633	64,066
Bemis Co. Inc.	1,381,115	63,877
Crane Co.	759,772	60,311
* Owens-Illinois Inc.	2,443,809	58,456
MSC Industrial Direct Co. Inc. Class A	677,303	58,221
EMCOR Group Inc.	889,782	58,174
Ryder System Inc.	804,690	57,922
* CoreLogic Inc.	1,271,523	55,159

Vanguard® Small-Cap Value Index Fund
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	Shares	Market Value (\$000)
Curtiss-Wright Corp.	598,247	54,907
Regal Beloit Corp.	673,234	54,902
* Kirby Corp.	811,597	54,255
* Keysight Technologies Inc.	1,387,512	54,016
ITT Inc.	1,332,916	53,557
Valmont Industries Inc.	339,614	50,806
Deluxe Corp.	729,052	50,465
Terex Corp.	1,320,530	49,520
Timken Co.	1,055,313	48,808
Brink's Co.	719,706	48,220
Belden Inc.	635,417	47,930
* Conduent Inc.	2,989,220	47,648
* Colfax Corp.	1,202,067	47,325
EnerSys	652,847	47,299
Kennametal Inc.	1,211,271	45,326
* MasTec Inc.	995,053	44,927
Barnes Group Inc.	767,513	44,923
* Sanmina Corp.	1,136,210	43,290
* Esterline Technologies Corp.	448,008	42,471
* WESCO International Inc.	734,007	42,059
MSA Safety Inc.	512,182	41,574
World Fuel Services Corp.	1,039,578	39,972
Tetra Tech Inc.	860,278	39,358
* KLX Inc.	778,720	38,936
GATX Corp.	588,760	37,840
Avnet Inc.	938,176	36,476
* Moog Inc. Class A	484,570	34,753
ABM Industries Inc.	835,701	34,698
Applied Industrial Technologies Inc.	585,955	34,601
* Rexnord Corp.	1,478,047	34,365
Silgan Holdings Inc.	1,075,826	34,190
* Generac Holdings Inc.	943,129	34,075
Convergys Corp.	1,412,851	33,598
Vishay Intertechnology Inc.	2,012,122	33,401
* Anixter International Inc.	424,008	33,157
KBR Inc.	2,149,116	32,710
UniFirst Corp.	232,076	32,653
* Genesee & Wyoming Inc. Class A	462,255	31,614
* Swift Transportation Co.	1,191,621	31,578
* Teledyne Technologies Inc.	238,284	30,417
^ Chicago Bridge & Iron Co. NV	1,516,771	29,926
Granite Construction Inc.	598,027	28,849
* NeuStar Inc. Class A	837,788	27,940
Korn/Ferry International	772,821	26,686
* Plexus Corp.	506,349	26,619
Watts Water Technologies Inc. Class A	418,881	26,473
* Louisiana-Pacific Corp.	1,087,238	26,213
Universal Forest Products Inc.	292,985	25,581
* Benchmark Electronics Inc.	747,392	24,141
* TTM Technologies Inc.	1,376,236	23,891
Greif Inc. Class A	423,047	23,598
Otter Tail Corp.	595,577	23,585
Brady Corp. Class A	679,673	23,041
* Knowles Corp.	1,341,468	22,698
Triton International Ltd.	672,233	22,479
Triumph Group Inc.	708,458	22,387
* SPX FLOW Inc.	603,881	22,271
* Meritor Inc.	1,332,362	22,131
ESCO Technologies Inc.	368,015	21,952
* FTI Consulting Inc.	621,608	21,731
Actuant Corp. Class A	852,971	20,983
Kaman Corp.	409,109	20,402
* Integer Holdings Corp.	470,048	20,330
Mobile Mini Inc.	664,585	19,838

Vanguard® Small-Cap Value Index Fund
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	Shares	Market Value (\$000)
* Atlas Air Worldwide Holdings Inc.	380,382	19,837
Matson Inc.	647,488	19,451
* Harsco Corp.	1,207,302	19,438
* Navistar International Corp.	738,433	19,369
* Sykes Enterprises Inc.	574,395	19,259
Werner Enterprises Inc.	652,212	19,142
Wabash National Corp.	860,182	18,907
Greenbrier Cos. Inc.	405,996	18,777
Aircastle Ltd.	828,446	18,019
* Boise Cascade Co.	580,500	17,647
Standex International Corp.	191,198	17,342
Astec Industries Inc.	312,168	17,328
* Tutor Perini Corp.	598,628	17,211
AAR Corp.	489,776	17,025
* TrueBlue Inc.	640,496	16,973
Altra Industrial Motion Corp.	418,623	16,661
ManTech International Corp. Class A	384,598	15,915
^ Sturm Ruger & Co. Inc.	252,903	15,718
* DigitalGlobe Inc.	467,649	15,573
* Cotiviti Holdings Inc.	415,214	15,421
* SPX Corp.	607,163	15,276
EVERTEC Inc.	873,626	15,114
* Armstrong World Industries Inc.	322,510	14,835
CIRCOR International Inc.	248,101	14,732
* Huron Consulting Group Inc.	331,997	14,342
* TriMas Corp.	686,353	14,310
* Navigant Consulting Inc.	712,927	14,087
RR Donnelley & Sons Co.	1,056,977	13,255
MTS Systems Corp.	252,363	13,072
* Milacron Holdings Corp.	723,966	12,735
Encore Wire Corp.	297,248	12,693
Mueller Industries Inc.	413,576	12,593
* GMS Inc.	432,655	12,158
General Cable Corp.	713,048	11,658
* Manitowoc Co. Inc.	1,913,222	11,498
* Donnelley Financial Solutions Inc.	495,959	11,387
Materion Corp.	302,113	11,299
McGrath RentCorp	325,504	11,272
* PHH Corp.	810,748	11,164
* Atkore International Group Inc.	479,733	10,818
* Aegion Corp. Class A	481,583	10,537
Quad/Graphics Inc.	457,597	10,488
Comfort Systems USA Inc.	282,025	10,463
AVX Corp.	635,212	10,379
LSC Communications Inc.	484,777	10,374
Kelly Services Inc. Class A	448,573	10,070
H&E Equipment Services Inc.	485,264	9,904
* RPX Corp.	700,453	9,771
Insperity Inc.	135,639	9,630
Schnitzer Steel Industries Inc.	381,235	9,607
* Hub Group Inc. Class A	237,861	9,122
* Wesco Aircraft Holdings Inc.	819,794	8,895
* Air Transport Services Group Inc.	403,612	8,791
* Babcock & Wilcox Enterprises Inc.	730,166	8,587
TeleTech Holdings Inc.	204,568	8,346
Essendant Inc.	560,755	8,316
Hyster-Yale Materials Handling Inc.	112,461	7,900
* TimkenSteel Corp.	497,648	7,649
ArcBest Corp.	369,115	7,604
Landauer Inc.	136,903	7,160
Kforce Inc.	360,353	7,063
Griffon Corp.	265,080	5,819
Resources Connection Inc.	421,253	5,771
Park Electrochemical Corp.	296,687	5,465

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	Shares	Market Value (\$000)
* International Seaways Inc.	227,670	4,934
American Railcar Industries Inc.	114,100	4,370
* Floor & Decor Holdings Inc. Class A	105,256	4,132
* Armstrong Flooring Inc.	172,144	3,093
*^ Forterra Inc.	295,752	2,434
Greif Inc. Class B	31,051	1,875
* Roadrunner Transportation Systems Inc.	27	—
		5,391,985
Oil & Gas (4.1%)		
Targa Resources Corp.	1,615,388	73,015
*^ Chesapeake Energy Corp.	13,638,771	67,785
Murphy Oil Corp.	2,462,064	63,103
* WPX Energy Inc.	5,972,719	57,696
*^ Transocean Ltd.	5,878,715	48,382
*^ First Solar Inc.	1,176,112	46,903
PBF Energy Inc. Class A	1,651,493	36,762
HollyFrontier Corp.	1,331,202	36,568
* QEP Resources Inc.	3,610,163	36,463
Oceaneering International Inc.	1,475,224	33,694
Nabors Industries Ltd.	4,076,411	33,182
* McDermott International Inc.	4,263,449	30,569
* Whiting Petroleum Corp.	5,447,994	30,018
* C&J Energy Services Inc.	855,884	29,331
* Oasis Petroleum Inc.	3,566,776	28,713
*^ Weatherford International plc	7,401,762	28,645
* Dril-Quip Inc.	568,273	27,732
SemGroup Corp. Class A	996,679	26,910
* NOW Inc.	1,618,206	26,021
* Superior Energy Services Inc.	2,298,090	23,969
Ensco plc Class A	4,561,543	23,538
* MRC Global Inc.	1,350,099	22,304
Delek US Holdings Inc.	805,066	21,286
* Oil States International Inc.	776,889	21,092
* Rowan Cos. plc Class A	1,897,307	19,428
* Energen Corp.	365,721	18,056
* Chart Industries Inc.	461,666	16,034
* Forum Energy Technologies Inc.	1,018,516	15,889
* Unit Corp.	798,281	14,952
* Noble Corp. plc	3,692,513	13,367
* Exterran Corp.	481,743	12,863
* Helix Energy Solutions Group Inc.	2,126,677	11,994
Archrock Inc.	1,019,916	11,627
*^ Diamond Offshore Drilling Inc.	935,211	10,128
*^ Centennial Resource Development Inc. Class A	627,672	9,930
*^ Atwood Oceanics Inc.	1,158,757	9,444
* Denbury Resources Inc.	5,956,483	9,113
*^ SunPower Corp. Class A	833,943	7,789
* ProPetro Holding Corp.	496,917	6,937
Alon USA Energy Inc.	483,612	6,442
Green Plains Inc.	285,014	5,857
CVR Energy Inc.	259,623	5,649
* TETRA Technologies Inc.	1,656,420	4,621
* Flotek Industries Inc.	406,818	3,637
*^ Tellurian Inc.	361,814	3,629
*^ EP Energy Corp. Class A	596,096	2,182
* Tesco Corp.	314,199	1,398
Bristow Group Inc.	171,066	1,309
		1,095,956
Other (0.0%)²		
* NCS Multistage Holdings Inc.	130,316	3,281
* Clinical Data CVR	62,138	—
		3,281

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	Shares	Market Value (\$000)
Technology (7.4%)		
CDW Corp.	2,361,052	147,637
Leidos Holdings Inc.	2,270,442	117,359
* CommScope Holding Co. Inc.	2,899,981	110,286
Teradyne Inc.	2,991,854	89,845
* ON Semiconductor Corp.	6,327,191	88,834
* Microsemi Corp.	1,736,998	81,292
CSRA Inc.	2,449,710	77,778
Brocade Communications Systems Inc.	6,133,036	77,338
* ARRIS International plc	2,679,229	75,072
* NCR Corp.	1,821,804	74,402
Cypress Semiconductor Corp.	4,700,666	64,164
* Tech Data Corp.	572,777	57,850
* Teradata Corp.	1,942,194	57,275
DST Systems Inc.	927,761	57,243
SYNNEX Corp.	449,754	53,952
* CACI International Inc. Class A	367,728	45,984
Pitney Bowes Inc.	2,805,361	42,361
* Verint Systems Inc.	943,333	38,394
* Nuance Communications Inc.	2,164,267	37,680
Science Applications International Corp.	526,520	36,551
* Cree Inc.	1,464,968	36,111
* Viavi Solutions Inc.	3,417,117	35,982
* Semtech Corp.	985,801	35,242
* EchoStar Corp. Class A	538,329	32,677
TiVo Corp.	1,726,578	32,201
* VeriFone Systems Inc.	1,676,218	30,340
Diebold Nixdorf Inc.	1,020,501	28,574
Cabot Microelectronics Corp.	379,532	28,021
* Insight Enterprises Inc.	537,653	21,501
Progress Software Corp.	689,890	21,311
CSG Systems International Inc.	508,260	20,625
* NETGEAR Inc.	463,898	19,994
* Web.com Group Inc.	731,319	18,502
Ebix Inc.	332,307	17,911
West Corp.	755,063	17,608
* ScanSource Inc.	380,014	15,315
* Coupa Software Inc.	497,813	14,427
* Blucora Inc.	616,533	13,071
* Quality Systems Inc.	757,459	13,036
* Amkor Technology Inc.	1,263,255	12,342
Brooks Automation Inc.	499,801	10,841
*^ Unisys Corp.	763,314	9,770
ADTRAN Inc.	361,283	7,461
* FormFactor Inc.	546,677	6,779
^ Computer Programs & Systems Inc.	192,216	6,305
* Match Group Inc.	351,581	6,110
* MuleSoft Inc. Class A	223,640	5,578
* Okta Inc.	189,294	4,316
* Synchronoss Technologies Inc.	260,131	4,279
Syntel Inc.	250,219	4,244
* Presidio Inc.	272,073	3,893
*^ Cloudera Inc.	194,960	3,123
* Sonus Networks Inc.	371,546	2,764
* WideOpenWest Inc.	133,902	2,330
* Alteryx Inc. Class A	112,337	2,193
Systemax Inc.	98,156	1,845
*^ Yext Inc.	127,935	1,705
* Harmonic Inc.	298,096	1,565
* Appian Corp.	46,731	848
		1,982,037
Telecommunications (0.4%)		
Telephone & Data Systems Inc.	1,473,483	40,889
^ Frontier Communications Corp.	17,725,934	20,562

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	Shares	Market Value (\$000)
* Vonage Holdings Corp.	3,007,040	19,666
Consolidated Communications Holdings Inc.	726,795	15,604
*^ Iridium Communications Inc.	1,248,942	13,801
* United States Cellular Corp.	193,834	7,428
*^ Intelsat SA	277,695	850
		118,800
Utilities (6.7%)		
Atmos Energy Corp.	1,582,553	131,273
UGI Corp.	2,602,326	125,979
Westar Energy Inc. Class A	2,136,222	113,262
Great Plains Energy Inc.	3,242,210	94,932
Aqua America Inc.	2,671,036	88,945
NRG Energy Inc.	4,517,025	77,783
* Vistra Energy Corp.	4,459,223	74,870
* Calpine Corp.	5,418,633	73,314
Vectren Corp.	1,245,888	72,810
National Fuel Gas Co.	1,208,081	67,459
IDACORP Inc.	756,862	64,598
WGL Holdings Inc.	769,359	64,188
Portland General Electric Co.	1,337,857	61,127
ONE Gas Inc.	787,726	54,991
ALLETE Inc.	764,296	54,785
Black Hills Corp.	803,063	54,183
Hawaiian Electric Industries Inc.	1,633,710	52,899
New Jersey Resources Corp.	1,298,616	51,555
Spire Inc.	689,189	48,071
Southwest Gas Holdings Inc.	643,318	47,001
PNM Resources Inc.	1,197,462	45,803
NorthWestern Corp.	728,372	44,445
Avista Corp.	968,653	41,129
South Jersey Industries Inc.	1,196,926	40,899
MGE Energy Inc.	521,967	33,589
El Paso Electric Co.	608,817	31,476
California Water Service Group	723,432	26,622
American States Water Co.	549,322	26,043
Northwest Natural Gas Co.	430,404	25,760
* TerraForm Power Inc. Class A	681,123	8,173
* Dynegy Inc.	835,047	6,906
		1,804,870
Total Common Stocks (Cost \$22,097,799)		26,771,404

Coupon				
Temporary Cash Investments (1.4%)¹				
Money Market Fund (1.4%)				
^{3,4} Vanguard Market Liquidity Fund	1.181%	3,729,707	373,046	
		Maturity Date	Face Amount (\$000)	
U.S. Government and Agency Obligations (0.0%)				
United States Treasury Bill	0.982%	9/14/17	1,000	998
⁵ United States Treasury Bill	0.990%	9/21/17	3,000	2,994
⁵ United States Treasury Bill	0.909%-0.0979%	10/5/17	1,400	1,396
⁵ United States Treasury Bill	1.052%	11/24/17	900	896
				6,284
Total Temporary Cash Investments (Cost \$379,287)				379,330

Total Investments (101.0%) (Cost \$22,477,086)	27,150,734
Other Assets and Liabilities—Net (-1.0%)⁴	(277,043)
Net Assets (100%)	26,873,691

* Non-income-producing security.

^ Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$220,730,000.

1 The fund invests a portion of its cash reserves in equity markets through the use of index futures contracts and swap contracts. After giving effect to futures and swap investments, the fund's effective common stock and temporary cash investment positions represent 99.9% and 1.1%, respectively, of net assets.

2 "Other" represents securities that are not classified by the fund's benchmark index.

3 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

4 Includes \$236,562,000 of collateral received for securities on loan.

5 Securities with a value of \$3,889,000 have been segregated as initial margin for open futures contracts.

CVR—Contingent Value Rights.

REIT—Real Estate Investment Trust.

Vanguard® Extended Market Index Fund
Schedule of Investments
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	Shares	Market Value (\$000)
Common Stocks (98.9%)¹		
Consumer Discretionary (14.5%)		
^,* Tesla Inc.	1,597,358	577,621
Las Vegas Sands Corp.	4,596,465	293,668
* Liberty Global plc	9,272,217	289,108
MGM Resorts International	6,088,436	190,507
Domino's Pizza Inc.	606,307	128,252
Aramark	3,064,897	125,599
* Liberty Interactive Corp. QVC Group Class A	5,058,016	124,124
Lear Corp.	864,057	122,765
^ Autoliv Inc.	1,116,559	122,598
^ Sirius XM Holdings Inc.	21,082,501	115,321
* Norwegian Cruise Line Holdings Ltd.	2,071,824	112,479
* NVR Inc.	44,030	106,139
Vail Resorts Inc.	503,797	102,185
* Liberty Media Corp-Liberty SiriusXM Class C	2,236,009	93,242
* Panera Bread Co. Class A	268,488	84,477
* Burlington Stores Inc.	887,990	81,686
* Lululemon Athletica Inc.	1,346,143	80,324
Service Corp. International	2,370,773	79,302
Adient plc	1,185,634	77,517
Toll Brothers Inc.	1,851,961	73,171
Brunswick Corp.	1,121,838	70,373
Gentex Corp.	3,626,340	68,792
^ Polaris Industries Inc.	737,918	68,058
* ServiceMaster Global Holdings Inc.	1,691,649	66,296
* Liberty Global plc Class A	2,057,608	66,090
* Liberty Broadband Corp.	753,779	65,390
Dunkin' Brands Group Inc.	1,161,161	64,003
Six Flags Entertainment Corp.	1,061,640	63,284
Thor Industries Inc.	601,807	62,901
Pool Corp.	516,610	60,738
* Live Nation Entertainment Inc.	1,681,504	58,600
* Liberty Media Corp-Liberty Formula One	1,514,380	55,457
Carter's Inc.	606,386	53,938
* Liberty Ventures Class A	1,025,146	53,605
Cinemark Holdings Inc.	1,338,083	51,985
^ Cracker Barrel Old Country Store Inc.	301,224	50,380
* Skechers U.S.A. Inc. Class A	1,690,105	49,858
Williams-Sonoma Inc.	1,012,344	49,099
Extended Stay America Inc.	2,527,854	48,939
* Bright Horizons Family Solutions Inc.	632,015	48,798
* Grand Canyon Education Inc.	603,379	47,311
* Liberty Media Corp-Liberty SiriusXM Class A	1,088,128	45,680
Tupperware Brands Corp.	639,459	44,909
Dick's Sporting Goods Inc.	1,108,513	44,152
Cable One Inc.	59,933	42,606
Texas Roadhouse Inc. Class A	815,028	41,526
Dana Inc.	1,803,427	40,271
* Visteon Corp.	392,344	40,043
Tenneco Inc.	681,687	39,422
* Cabela's Inc.	654,180	38,871
TEGNA Inc.	2,692,843	38,804
Wendy's Co.	2,434,999	37,767
Tribune Media Co. Class A	925,174	37,719
* Liberty Expedia Holdings Inc. Class A	697,165	37,661
Office Depot Inc.	6,541,409	36,894
Jack in the Box Inc.	372,829	36,724
ILG Inc.	1,333,442	36,656
* AMC Networks Inc. Class A	684,472	36,558
* Liberty Broadband Corp. Class A	425,482	36,502
Marriott Vacations Worldwide Corp.	307,760	36,239
Graham Holdings Co. Class B	59,584	35,730

Vanguard® Extended Market Index Fund
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	Shares	Market Value (\$000)
* Lions Gate Entertainment Corp. Class B	1,355,238	35,616
* Madison Square Garden Co. Class A	177,614	34,972
Wolverine World Wide Inc.	1,228,922	34,422
* Five Below Inc.	695,106	34,317
CalAtlantic Group Inc.	966,830	34,177
* Sally Beauty Holdings Inc.	1,677,728	33,974
Nexstar Media Group Inc. Class A	551,785	32,997
* Murphy USA Inc.	445,140	32,989
* Helen of Troy Ltd.	346,132	32,571
* Dorman Products Inc.	388,268	32,137
LCI Industries	313,679	32,121
* Liberty Global PLC LiLAC	1,480,408	31,696
^* Tempur Sealy International Inc.	589,125	31,453
* Dave & Buster's Entertainment Inc.	472,620	31,434
Aaron's Inc.	803,698	31,264
* Sotheby's	580,618	31,162
John Wiley & Sons Inc. Class A	589,681	31,106
^* Wayfair Inc.	402,701	30,960
Sinclair Broadcast Group Inc. Class A	917,179	30,175
* Kate Spade & Co.	1,620,160	29,957
Choice Hotels International Inc.	463,490	29,779
* Hilton Grand Vacations Inc.	816,703	29,450
Churchill Downs Inc.	160,085	29,344
* iRobot Corp.	345,045	29,032
Lithia Motors Inc. Class A	301,731	28,432
Cheesecake Factory Inc.	561,586	28,248
* Hyatt Hotels Corp. Class A	497,903	27,987
GameStop Corp. Class A	1,285,202	27,773
* Steven Madden Ltd.	690,231	27,575
* Deckers Outdoor Corp.	402,153	27,451
New York Times Co. Class A	1,544,941	27,345
Meredith Corp.	458,272	27,244
* Adtalem Global Education Inc.	713,975	27,095
Regal Entertainment Group Class A	1,319,325	26,993
Big Lots Inc.	555,439	26,828
Bloomin' Brands Inc.	1,259,064	26,730
* TRI Pointe Group Inc.	1,997,730	26,350
Boyd Gaming Corp.	1,047,317	25,984
* Buffalo Wild Wings Inc.	204,426	25,901
* Ollie's Bargain Outlet Holdings Inc.	606,079	25,819
American Eagle Outfitters Inc.	2,124,215	25,597
* TopBuild Corp.	478,666	25,403
^* RH	393,612	25,396
* Michaels Cos. Inc.	1,344,332	24,897
KB Home	1,017,092	24,380
Cooper Tire & Rubber Co.	669,947	24,185
Papa John's International Inc.	333,537	23,935
Brinker International Inc.	621,848	23,692
Children's Place Inc.	225,466	23,020
* Cooper-Standard Holdings Inc.	226,572	22,854
* Penn National Gaming Inc.	1,053,375	22,542
* Taylor Morrison Home Corp. Class A	911,711	21,890
Planet Fitness Inc. Class A	897,094	20,938
Penske Automotive Group Inc.	475,086	20,861
* Urban Outfitters Inc.	1,094,944	20,300
Columbia Sportswear Co.	347,063	20,150
La-Z-Boy Inc.	617,896	20,082
* Shutterfly Inc.	422,722	20,079
* Meritage Homes Corp.	473,952	20,001
Nutrisystem Inc.	379,230	19,739
Lions Gate Entertainment Corp. Class A	691,750	19,521
Core-Mark Holding Co. Inc.	589,954	19,504
* Select Comfort Corp.	539,049	19,131
* Groupon Inc. Class A	4,969,316	19,082

Vanguard® Extended Market Index Fund
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	Shares	Market Value (\$000)
* Etsy Inc.	1,215,561	18,233
* Gentherm Inc.	468,417	18,175
MDC Holdings Inc.	514,067	18,162
^* JC Penney Co. Inc.	3,878,224	18,034
Time Inc.	1,252,573	17,974
Bob Evans Farms Inc.	249,987	17,957
* MSG Networks Inc.	789,515	17,725
Monro Muffler Brake Inc.	414,998	17,326
* Scientific Games Corp. Class A	644,012	16,809
* Vista Outdoor Inc.	726,134	16,345
* American Axle & Manufacturing Holdings Inc.	1,043,943	16,286
* Houghton Mifflin Harcourt Co.	1,311,895	16,136
* Fox Factory Holding Corp.	449,237	15,993
^* American Outdoor Brands Corp.	715,571	15,857
^ Dillard's Inc. Class A	274,289	15,824
AMC Entertainment Holdings Inc. Class A	694,495	15,800
Group 1 Automotive Inc.	248,991	15,766
Caleres Inc.	551,771	15,328
Chico's FAS Inc.	1,616,164	15,224
Callaway Golf Co.	1,188,474	15,189
Scholastic Corp.	348,185	15,177
* La Quinta Holdings Inc.	1,006,176	14,861
* Belmond Ltd. Class A	1,112,287	14,793
DSW Inc. Class A	835,490	14,788
* Pinnacle Entertainment Inc.	721,976	14,266
* Cavco Industries Inc.	108,797	14,106
^* Liberty Global PLC LiLAC Class A	647,825	14,103
SeaWorld Entertainment Inc.	854,784	13,907
* G-III Apparel Group Ltd.	552,015	13,773
Sonic Corp.	517,180	13,700
* Asbury Automotive Group Inc.	242,099	13,691
* Installed Building Products Inc.	254,947	13,499
^ Sturm Ruger & Co. Inc.	209,686	13,032
Capella Education Co.	150,914	12,918
HSN Inc.	403,350	12,867
Gannett Co. Inc.	1,452,944	12,670
* EW Scripps Co. Class A	707,060	12,593
Standard Motor Products Inc.	240,772	12,573
* Universal Electronics Inc.	186,626	12,476
International Speedway Corp. Class A	331,743	12,457
Strayer Education Inc.	132,808	12,380
Red Rock Resorts Inc. Class A	511,516	12,046
Oxford Industries Inc.	190,441	11,901
* Gray Television Inc.	856,556	11,735
^* Weight Watchers International Inc.	349,304	11,674
Winnebago Industries Inc.	332,036	11,621
Wingstop Inc.	360,768	11,148
ClubCorp Holdings Inc.	828,035	10,847
PetMed Express Inc.	266,098	10,804
* Modine Manufacturing Co.	651,805	10,787
* Red Robin Gourmet Burgers Inc.	164,715	10,748
* Liberty TripAdvisor Holdings Inc. Class A	922,236	10,698
* Denny's Corp.	905,586	10,659
Abercrombie & Fitch Co.	852,310	10,603
Ethan Allen Interiors Inc.	326,447	10,544
* Eldorado Resorts Inc.	518,807	10,376
^* GoPro Inc. Class A	1,271,729	10,339
* Liberty Media Corp-Liberty Braves Class C	424,748	10,181
Guess? Inc.	789,055	10,084
^ World Wrestling Entertainment Inc. Class A	488,177	9,944
DineEquity Inc.	215,557	9,495
New Media Investment Group Inc.	701,428	9,455
^* Chegg Inc.	754,184	9,269
^* Lumber Liquidators Holdings Inc.	358,117	8,974

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	Shares	Market Value (\$000)
* BJ's Restaurants Inc.	240,180	8,947
* M/I Homes Inc.	310,036	8,852
* Caesars Entertainment Corp.	734,713	8,817
* Genesco Inc.	257,604	8,733
^* Liberty Media Corp-Liberty Formula One Class A	247,512	8,670
Tile Shop Holdings Inc.	419,219	8,657
^* LGI Homes Inc.	214,896	8,635
Ruth's Hospitality Group Inc.	386,512	8,407
^* Shake Shack Inc. Class A	233,162	8,133
* Laureate Education Inc. Class A	460,372	8,070
* Career Education Corp.	837,150	8,037
* K12 Inc.	447,606	8,021
Camping World Holdings Inc. Class A	259,399	8,002
Rent-A-Center Inc.	676,033	7,923
Marcus Corp.	260,321	7,862
* Nautilus Inc.	391,937	7,506
* Crocs Inc.	958,527	7,390
^ GNC Holdings Inc. Class A	873,614	7,365
* Playa Hotels & Resorts NV	611,015	7,302
Finish Line Inc. Class A	505,826	7,168
* Fiesta Restaurant Group Inc.	344,942	7,123
^* William Lyon Homes Class A	291,112	7,027
Tailored Brands Inc.	619,388	6,912
* Express Inc.	1,012,664	6,835
* Motorcar Parts of America Inc.	241,823	6,829
Sonic Automotive Inc. Class A	347,240	6,754
Buckle Inc.	361,942	6,443
Haverty Furniture Cos. Inc.	250,954	6,299
Tower International Inc.	276,849	6,215
* MarineMax Inc.	317,518	6,207
* Unifi Inc.	201,351	6,202
* Malibu Boats Inc. Class A	238,173	6,162
Hooker Furniture Corp.	149,399	6,148
National CineMedia Inc.	826,285	6,131
* Loral Space & Communications Inc.	145,124	6,030
Superior Industries International Inc.	291,693	5,994
* Del Taco Restaurants Inc.	432,355	5,945
^* Hibbett Sports Inc.	285,241	5,919
Entravision Communications Corp. Class A	878,845	5,800
* Beazer Homes USA Inc.	419,994	5,762
^* Conn's Inc.	300,849	5,746
* Biglari Holdings Inc.	14,269	5,704
Cato Corp. Class A	323,522	5,691
^* Sears Holdings Corp.	628,256	5,566
* Carrols Restaurant Group Inc.	452,120	5,538
* Fossil Group Inc.	529,368	5,479
* Chuy's Holdings Inc.	229,387	5,368
* Barnes & Noble Education Inc.	504,832	5,366
* PICO Holdings Inc.	306,288	5,360
* Francesca's Holdings Corp.	484,692	5,303
Carriage Services Inc. Class A	196,398	5,295
Barnes & Noble Inc.	692,789	5,265
* Century Communities Inc.	211,627	5,248
* Stoneridge Inc.	338,426	5,215
Movado Group Inc.	206,210	5,207
Bassett Furniture Industries Inc.	136,459	5,179
Acushnet Holdings Corp.	258,898	5,137
Pier 1 Imports Inc.	988,212	5,129
* Regis Corp.	488,333	5,015
* Del Frisco's Restaurant Group Inc.	311,054	5,008
* American Public Education Inc.	211,274	4,997
* Iconix Brand Group Inc.	718,508	4,965
^* Party City Holdco Inc.	314,088	4,915
* Monarch Casino & Resort Inc.	158,874	4,806

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	Shares	Market Value (\$000)
* Ascena Retail Group Inc.	2,174,575	4,675
* Flexsteel Industries Inc.	86,375	4,674
* FTD Cos. Inc.	229,156	4,583
* Culp Inc.	137,402	4,466
* NACCO Industries Inc. Class A	62,801	4,449
* Hovnanian Enterprises Inc. Class A	1,582,491	4,431
* Altice USA Inc. Class A	134,439	4,342
* Citi Trends Inc.	202,358	4,294
* MCBC Holdings Inc.	217,233	4,247
* tronc Inc.	325,873	4,201
^* Fred's Inc. Class A	452,874	4,180
* Horizon Global Corp.	290,939	4,178
^* Central European Media Enterprises Ltd. Class A	1,030,828	4,123
* 1-800-Flowers.com Inc. Class A	422,756	4,122
* Emerald Expositions Events Inc.	185,048	4,053
^* America's Car-Mart Inc.	103,129	4,012
* Intrawest Resorts Holdings Inc.	165,173	3,921
* El Pollo Loco Holdings Inc.	279,613	3,873
* Potbelly Corp.	336,608	3,871
* Overstock.com Inc.	235,407	3,837
* Floor & Decor Holdings Inc. Class A	94,289	3,702
^* Carvana Co.	178,942	3,663
* Johnson Outdoors Inc. Class A	75,291	3,630
* Vitamin Shoppe Inc.	308,696	3,596
* Habit Restaurants Inc. Class A	227,308	3,591
* Shoe Carnival Inc.	167,530	3,498
* Bojangles' Inc.	214,156	3,480
* Entercom Communications Corp. Class A	330,462	3,420
* Winmark Corp.	26,102	3,366
* RCI Hospitality Holdings Inc.	139,893	3,335
* Bridgepoint Education Inc.	223,620	3,301
* West Marine Inc.	252,997	3,251
* Reading International Inc. Class A	199,579	3,219
* Speedway Motorsports Inc.	176,090	3,217
* AV Homes Inc.	160,155	3,211
* CSS Industries Inc.	120,058	3,141
* Perry Ellis International Inc.	161,273	3,138
* ZAGG Inc.	361,928	3,131
* Big 5 Sporting Goods Corp.	232,795	3,038
* At Home Group Inc.	130,145	3,031
^* Zoe's Kitchen Inc.	254,019	3,025
* Collectors Universe Inc.	116,636	2,898
* Zumiez Inc.	234,491	2,896
* Lindblad Expeditions Holdings Inc.	269,853	2,833
* Lifetime Brands Inc.	153,221	2,781
* Daily Journal Corp.	13,447	2,774
* Drive Shack Inc.	878,943	2,769
* Vera Bradley Inc.	282,885	2,767
* Saga Communications Inc. Class A	60,341	2,761
* VOXX International Corp. Class A	332,158	2,724
^* Lands' End Inc.	180,956	2,696
* Golden Entertainment Inc.	129,607	2,684
* Nathan's Famous Inc.	42,578	2,682
* Global Eagle Entertainment Inc.	750,044	2,670
* Green Brick Partners Inc.	225,245	2,579
* Clear Channel Outdoor Holdings Inc. Class A	498,356	2,417
* Ascent Capital Group Inc. Class A	155,434	2,387
* Libbey Inc.	294,931	2,377
^* Sequential Brands Group Inc.	574,084	2,291
* Century Casinos Inc.	305,238	2,250
* New Home Co. Inc.	191,484	2,196
* Kirkland's Inc.	211,018	2,169
* Black Diamond Inc.	323,461	2,151
^* Sportsman's Warehouse Holdings Inc.	387,634	2,093

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	Shares	Market Value (\$000)
^* Duluth Holdings Inc.	114,766	2,090
* Liberty Media Corp-Liberty Braves Class A	84,543	2,020
Superior Uniform Group Inc.	89,182	1,993
* Build-A-Bear Workshop Inc.	187,462	1,959
Marine Products Corp.	125,292	1,956
Weyco Group Inc.	67,932	1,894
* J Alexander's Holdings Inc.	154,578	1,894
* Delta Apparel Inc.	84,111	1,866
* Gaia Inc. Class A	165,278	1,851
* Ruby Tuesday Inc.	880,112	1,769
Escalade Inc.	128,577	1,684
Tilly's Inc. Class A	161,974	1,644
* Fogo De Chao Inc.	113,675	1,580
* Hemisphere Media Group Inc. Class A	130,131	1,542
* Red Lion Hotels Corp.	209,155	1,537
* J. Jill Inc.	122,862	1,510
Liberty Tax Inc.	116,442	1,508
^* Vuzix Corp.	217,725	1,426
AH Belo Corp. Class A	255,245	1,404
* Ballantyne Strong Inc.	208,987	1,400
* Shiloh Industries Inc.	119,208	1,399
Rocky Brands Inc.	102,185	1,374
* Townsquare Media Inc. Class A	129,137	1,322
^* Container Store Group Inc.	222,296	1,316
* Lakeland Industries Inc.	90,162	1,307
* Lee Enterprises Inc.	682,447	1,297
Strattec Security Corp.	34,973	1,238
* Boot Barn Holdings Inc.	172,016	1,218
^* Destination XL Group Inc.	501,298	1,178
* Cherokee Inc.	167,101	1,161
* Town Sports International Holdings Inc.	245,561	1,154
^* JAKKS Pacific Inc.	283,731	1,135
^* Tuesday Morning Corp.	594,789	1,130
^* Workhorse Group Inc.	300,942	1,110
Beasley Broadcast Group Inc. Class A	108,185	1,060
* UCP Inc.	95,158	1,042
* Universal Technical Institute Inc.	277,612	991
* WideOpenWest Inc.	56,210	978
Ark Restaurants Corp.	38,576	940
^* Empire Resorts Inc.	37,145	888
* Lincoln Educational Services Corp.	284,849	883
* Cambium Learning Group Inc.	170,871	866
^ Stage Stores Inc.	361,427	752
* Tandy Leather Factory Inc.	82,294	732
* Christopher & Banks Corp.	544,517	713
* Urban One Inc.	298,311	671
* Full House Resorts Inc.	273,502	667
Salem Media Group Inc. Class A	87,614	622
^* Dixie Group Inc.	133,541	601
* EVINE Live Inc.	580,173	580
* Skyline Corp.	89,791	541
* Destination Maternity Corp.	162,951	528
* Bravo Brio Restaurant Group Inc.	108,012	497
* McClatchy Co. Class A	47,895	447
* Luby's Inc.	152,140	428
^ bebe stores inc	61,629	366
* Famous Dave's of America Inc.	95,554	349
Gaming Partners International Corp.	27,841	334
^ Crown Crafts Inc.	47,569	328
^* Nova Lifestyle Inc.	215,787	326
^* Noodles & Co. Class A	79,577	310
* Trans World Entertainment Corp.	184,175	304
^* Jamba Inc.	38,997	304
* Harte-Hanks Inc.	294,088	303

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	Shares	Market Value (\$000)
^* Kona Grill Inc.	81,836	303
* Emerson Radio Corp.	211,826	297
* Good Times Restaurants Inc.	83,131	295
Dover Motorsports Inc.	134,135	282
* UQM Technologies Inc.	327,777	278
Insignia Systems Inc.	260,249	271
* US Auto Parts Network Inc.	82,723	267
Peak Resorts Inc.	58,032	238
* Summer Infant Inc.	126,607	225
* Dover Downs Gaming & Entertainment Inc.	196,364	218
Educational Development Corp.	19,541	207
^* Cinedigm Corp. Class A	117,637	205
^* Sears Hometown and Outlet Stores Inc.	72,783	197
AMCON Distributing Co.	1,865	196
* Rave Restaurant Group Inc.	94,361	191
^ Live Ventures Inc.	17,510	185
^* Naked Brand Group Inc.	112,574	172
^* Forward Industries Inc.	157,441	167
^* Turtle Beach Corp.	237,689	166
* Diversified Restaurant Holdings Inc.	61,904	161
^* Vince Holding Corp.	329,116	155
Unique Fabricating Inc.	16,039	153
* Charles & Colvard Ltd.	157,899	145
^* Papa Murphy's Holdings Inc.	32,168	141
* Sypris Solutions Inc.	85,100	140
Stein Mart Inc.	73,805	125
* Perfumania Holdings Inc.	59,679	101
* NTN Buzztime Inc.	12,292	84
* Blue Apron Holdings Inc. Class A	8,040	75
Stanley Furniture Co. Inc.	65,889	74
* Nevada Gold & Casinos Inc.	33,200	74
* RLJ Entertainment Inc.	21,254	71
^* Bon-Ton Stores Inc.	133,855	59
* ONE Group Hospitality Inc.	26,439	57
* CafePress Inc.	21,383	55
^* Chanticleer Holdings Inc.	16,859	54
* Differential Brands Group Inc.	22,120	44
Flanigan's Enterprises Inc.	1,352	39
* SPAR Group Inc.	33,227	34
^* Clean Diesel Technologies Inc.	10,143	28
* Comstock Holding Cos. Inc. Class A	11,662	24
* Fenix Parts Inc.	37,049	17
* Xcel Brands Inc.	4,463	14
* Appliance Recycling Centers of America Inc.	15,967	13
Emmis Communications Corp. Class A	4,118	12
* Koss Corp.	3,992	8
P&F Industries Inc. Class A	574	4
Canterbury Park Holding Corp.	209	2
* Here Media Inc.	12,670	—
* Here Media Inc. Special Shares	12,670	—
		8,285,095
Consumer Staples (3.2%)		
Bunge Ltd.	1,771,149	132,128
Ingredion Inc.	905,735	107,973
Pinnacle Foods Inc.	1,481,786	88,018
Lamb Weston Holdings Inc.	1,759,979	77,509
* Post Holdings Inc.	835,396	64,869
^* Herbalife Ltd.	881,290	62,862
* TreeHouse Foods Inc.	719,249	58,755
* Edgewell Personal Care Co.	722,028	54,889
Casey's General Stores Inc.	496,137	53,141
* Hain Celestial Group Inc.	1,307,204	50,746
* US Foods Holding Corp.	1,666,102	45,351
Flowers Foods Inc.	2,337,198	40,457

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	Shares	Market Value (\$000)
Nu Skin Enterprises Inc. Class A	624,872	39,267
* Rite Aid Corp.	13,301,087	39,238
Spectrum Brands Holdings Inc.	305,721	38,227
Snyder's-Lance Inc.	1,087,015	37,632
Energizer Holdings Inc.	781,943	37,549
* Sprouts Farmers Market Inc.	1,631,729	36,991
* Darling Ingredients Inc.	2,082,805	32,783
* HRG Group Inc.	1,736,706	30,757
Lancaster Colony Corp.	248,808	30,509
B&G Foods Inc.	841,734	29,966
* Performance Food Group Co.	1,066,022	29,209
Sanderson Farms Inc.	252,551	29,208
* Blue Buffalo Pet Products Inc.	1,197,251	27,309
Vector Group Ltd.	1,262,072	26,907
PriceSmart Inc.	293,285	25,692
J&J Snack Foods Corp.	191,754	25,325
* United Natural Foods Inc.	645,522	23,691
Fresh Del Monte Produce Inc.	416,655	21,212
* Avon Products Inc.	5,545,974	21,075
Universal Corp.	323,129	20,906
WD-40 Co.	181,797	20,061
Dean Foods Co.	1,145,493	19,473
* Hostess Brands Inc. Class A	1,101,465	17,734
^* Pilgrim's Pride Corp.	727,275	15,942
* Boston Beer Co. Inc. Class A	117,968	15,589
^* Cal-Maine Foods Inc.	387,476	15,344
* Central Garden & Pet Co. Class A	500,370	15,021
National Beverage Corp.	149,997	14,034
Seaboard Corp.	3,484	13,919
Coca-Cola Bottling Co. Consolidated	60,382	13,820
Calavo Growers Inc.	197,622	13,646
SpartanNash Co.	484,838	12,586
Andersons Inc.	343,592	11,734
* SUPERVALU Inc.	3,393,900	11,166
Weis Markets Inc.	213,301	10,392
* USANA Health Sciences Inc.	140,563	9,010
Inter Parfums Inc.	229,266	8,403
^ MGP Ingredients Inc.	154,393	7,900
^ Tootsie Roll Industries Inc.	224,013	7,807
John B Sanfilippo & Son Inc.	113,621	7,171
^* e.l.f. Beauty, Inc.	251,308	6,838
Medifast Inc.	151,760	6,293
Ingles Markets Inc. Class A	186,137	6,198
* Landec Corp.	353,016	5,242
Omega Protein Corp.	289,438	5,181
Nutraceutical International Corp.	112,665	4,693
* Primo Water Corp.	335,010	4,255
* Farmer Brothers Co.	130,227	3,939
^* Freshpet Inc.	233,251	3,872
^* Amplify Snack Brands Inc.	401,269	3,868
* Revlon Inc. Class A	161,103	3,818
Limoneira Co.	151,770	3,586
* Chefs' Warehouse Inc.	263,182	3,421
* Smart & Final Stores Inc.	368,653	3,355
Village Super Market Inc. Class A	115,315	2,989
* Seneca Foods Corp. Class A	95,113	2,953
Oil-Dri Corp. of America	65,419	2,748
^ Natural Health Trends Corp.	88,422	2,463
^* Central Garden & Pet Co.	69,694	2,216
* Craft Brew Alliance Inc.	113,947	1,920
* Alliance One International Inc.	124,067	1,787
^* Castle Brands Inc.	961,617	1,654
^* 22nd Century Group Inc.	930,667	1,629
^ Orchids Paper Products Co.	123,498	1,599

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	Shares	Market Value (\$000)
* Turning Point Brands Inc.	99,431	1,525
^* New Age Beverages Corp.	226,900	1,164
Nature's Sunshine Products Inc.	86,229	1,143
Rocky Mountain Chocolate Factory Inc.	96,331	1,137
Alico Inc.	30,804	964
^* Natural Grocers by Vitamin Cottage Inc.	113,136	936
United-Guardian Inc.	57,249	884
* Lifeway Foods Inc.	89,693	838
* Lifevantage Corp.	174,052	754
* Natural Alternatives International Inc.	73,591	736
^* S&W Seed Co.	167,811	696
* Inventure Foods Inc.	120,439	519
* Female Health Co.	259,893	273
Mannatech Inc.	11,571	184
* Coffee Holding Co. Inc.	33,360	149
* Reed's Inc.	58,735	144
Ocean Bio-Chem Inc.	11,030	45
^* Long Island Iced Tea Corp.	7,758	42
Reliv International Inc.	4,459	39
* Crystal Rock Holdings Inc.	42,584	35
^* MYOS RENS Technology Inc.	18,975	35
* RiceBran Technologies	8,529	8
* Truett-Hurst Inc.	1,600	3
* Arcadia Biosciences Inc.	6,213	3
		1,799,676

Energy (3.7%)

* Cheniere Energy Inc.	3,005,458	146,396
Targa Resources Corp.	2,723,226	123,090
* Diamondback Energy Inc.	1,237,561	109,908
* Parsley Energy Inc. Class A	2,861,900	79,418
HollyFrontier Corp.	2,237,693	61,469
* Energen Corp.	1,228,362	60,644
Core Laboratories NV	557,509	56,459
* Rice Energy Inc.	2,037,535	54,260
* WPX Energy Inc.	5,029,545	48,585
^* Weatherford International plc	12,443,524	48,156
* RSP Permian Inc.	1,376,716	44,427
Patterson-UTI Energy Inc.	2,076,102	41,917
* Antero Resources Corp.	1,830,168	39,550
* Southwestern Energy Co.	6,388,224	38,840
* Continental Resources Inc.	1,089,867	35,235
World Fuel Services Corp.	882,607	33,936
* CONSOL Energy Inc.	2,244,611	33,534
US Silica Holdings Inc.	922,994	32,757
PBF Energy Inc. Class A	1,382,112	30,766
* QEP Resources Inc.	3,037,916	30,683
* PDC Energy Inc.	707,184	30,487
* Gulfport Energy Corp.	2,025,973	29,883
Nabors Industries Ltd.	3,613,800	29,416
^* Peabody Energy Corp.	1,166,564	28,522
Oceaneering International Inc.	1,236,736	28,247
* C&J Energy Services Inc.	793,937	27,208
* Callon Petroleum Co.	2,544,974	27,002
* McDermott International Inc.	3,575,067	25,633
^* Matador Resources Co.	1,170,558	25,015
^* Centennial Resource Development Inc. Class A	1,529,580	24,198
* Oasis Petroleum Inc.	2,996,425	24,121
* Dril-Quip Inc.	476,689	23,262
Arch Coal Inc. Class A	314,722	21,496
SM Energy Co.	1,238,260	20,468
* Superior Energy Services Inc.	1,928,508	20,114
Ensco plc Class A	3,796,510	19,590
* Whiting Petroleum Corp.	3,535,805	19,482
* Laredo Petroleum Inc.	1,780,280	18,729

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	Shares	Market Value (\$000)
^* Kosmos Energy Ltd.	2,899,064	18,583
Delek US Holdings Inc.	694,311	18,358
SemGroup Corp. Class A	670,282	18,098
* Oil States International Inc.	653,084	17,731
^* SRC Energy Inc.	2,577,822	17,349
* Carrizo Oil & Gas Inc.	967,764	16,858
* Rowan Cos. plc Class A	1,576,767	16,146
^ RPC Inc.	749,408	15,146
* Forum Energy Technologies Inc.	915,843	14,287
* Unit Corp.	664,337	12,443
^ Noble Corp. plc	3,098,822	11,218
* Exterran Corp.	403,126	10,763
Archrock Inc.	897,300	10,229
* Helix Energy Solutions Group Inc.	1,748,597	9,862
Green Plains Inc.	467,708	9,611
^* Diamond Offshore Drilling Inc.	811,984	8,794
* International Seaways Inc.	372,686	8,076
* Newpark Resources Inc.	1,096,057	8,056
^* Denbury Resources Inc.	5,045,107	7,719
^* Atwood Oceanics Inc.	945,519	7,706
* Par Pacific Holdings Inc.	425,773	7,681
^* Fairmount Santrol Holdings Inc.	1,926,615	7,514
^* Resolute Energy Corp.	251,394	7,484
* REX American Resources Corp.	76,047	7,343
* Basic Energy Services Inc.	292,465	7,282
* Energy XXI Gulf Coast Inc.	385,705	7,163
* Ring Energy Inc.	550,808	7,161
* SEACOR Holdings Inc.	207,866	7,130
* Extraction Oil & Gas Inc.	529,405	7,121
^* Sanchez Energy Corp.	898,944	6,454
^* Gener8 Maritime Inc.	1,052,859	5,991
^* Jagged Peak Energy Inc.	435,397	5,813
* Renewable Energy Group Inc.	441,171	5,713
Alon USA Energy Inc.	424,419	5,653
^* Tellurian Inc.	554,586	5,563
^* Keane Group Inc.	343,839	5,501
^ Frank's International NV	637,978	5,289
Panhandle Oil and Gas Inc. Class A	217,335	5,020
* SandRidge Energy Inc.	283,799	4,884
^* WildHorse Resource Development Corp.	374,885	4,637
^* California Resources Corp.	532,794	4,555
* TETRA Technologies Inc.	1,571,389	4,384
CVR Energy Inc.	198,756	4,325
* SEACOR Marine Holdings Inc.	204,098	4,155
* ProPetro Holding Corp.	296,144	4,134
^* Stone Energy Corp.	222,538	4,090
* Natural Gas Services Group Inc.	159,877	3,973
* Clean Energy Fuels Corp.	1,381,809	3,510
* Eclipse Resources Corp.	1,201,906	3,437
* Cloud Peak Energy Inc.	972,894	3,434
* Matrix Service Co.	356,471	3,333
Evolution Petroleum Corp.	398,318	3,226
* Abraxas Petroleum Corp.	1,939,592	3,142
Bristow Group Inc.	401,720	3,073
* Bill Barrett Corp.	996,377	3,059
* Pacific Ethanol Inc.	478,412	2,990
* Tesco Corp.	631,750	2,811
^* Uranium Energy Corp.	1,736,224	2,761
* RigNet Inc.	168,575	2,706
* NCS Multistage Holdings Inc.	106,360	2,678
* Geospace Technologies Corp.	187,879	2,598
Gulf Island Fabrication Inc.	209,070	2,425
* Parker Drilling Co.	1,768,598	2,388
* Era Group Inc.	251,220	2,377

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	Shares	Market Value (\$000)
^* Smart Sand Inc.	266,484	2,374
Hallador Energy Co.	290,834	2,260
^* EP Energy Corp. Class A	607,506	2,223
* Mammoth Energy Services Inc.	110,675	2,059
* Contango Oil & Gas Co.	308,511	2,049
* Pioneer Energy Services Corp.	992,516	2,035
^* Approach Resources Inc.	573,815	1,934
^* CARBO Ceramics Inc.	279,433	1,914
^* Gastar Exploration Inc.	2,025,594	1,876
* Willbros Group Inc.	712,864	1,761
^* Solaris Oilfield Infrastructure Inc. Class A	144,400	1,665
* Penn Virginia Corp.	45,104	1,658
* Halcon Resources Corp.	364,767	1,656
* Independence Contract Drilling Inc.	376,007	1,463
* Overseas Shipholding Group Inc. Class A	534,623	1,422
* Select Energy Services Inc. Class A	115,221	1,400
^* Jones Energy Inc. Class A	814,636	1,303
^ Comstock Resources Inc.	175,297	1,239
^* Hornbeck Offshore Services Inc.	436,664	1,236
* Westmoreland Coal Co.	247,888	1,207
^* Earthstone Energy Inc. Class A	117,505	1,176
* SilverBow Resources Inc.	44,802	1,172
^* Lilis Energy Inc.	225,505	1,105
* Dawson Geophysical Co.	265,221	1,040
Adams Resources & Energy Inc.	24,374	1,001
* W&T Offshore Inc.	501,991	984
* Isramco Inc.	7,789	891
^* Northern Oil and Gas Inc.	612,680	858
^* Cobalt International Energy Inc.	316,538	782
^* Zion Oil & Gas Inc.	218,418	749
* Aspen Aerogels Inc.	157,978	703
* VAALCO Energy Inc.	746,201	698
^* Torchlight Energy Resources Inc.	406,847	675
* Lonestar Resources US Inc. Class A	149,829	644
* PHI Inc.	61,961	605
^* ION Geophysical Corp.	134,578	585
* Mitcham Industries Inc.	140,374	559
* Bonanza Creek Energy Inc.	16,975	538
^ EXCO Resources Inc.	167,428	444
^* Synthesis Energy Systems Inc.	641,276	430
* PetroQuest Energy Inc.	216,737	429
^* Uranium Resources Inc.	277,911	414
* Centrus Energy Corp. Class A	94,205	396
* PHI Inc. NV	37,866	386
^* Rex Energy Corp.	105,067	304
^* Amyris Inc.	82,795	263
^* Profire Energy Inc.	190,745	248
^* Erin Energy Corp.	166,907	242
* TransAtlantic Petroleum Ltd.	157,020	188
* PrimeEnergy Corp.	3,726	172
^* Gevo Inc.	233,198	161
^* Eco-Stim Energy Solutions Inc.	115,690	145
^* SAExploration Holdings Inc.	39,682	129
^* Vertex Energy Inc.	119,227	128
* Barnwell Industries Inc.	47,934	87
^* Tengasco Inc.	73,035	53
* ENGGlobal Corp.	38,763	50
* US Energy Corp. Wyoming	62,751	43
^* New Concept Energy Inc.	23,644	32
^* Camber Energy Inc.	114,622	30
* Aemetis Inc.	20,124	27
^* Bonanza Creek Energy Inc. Warrants Exp. 04/28/2020	19,019	27
* FieldPoint Petroleum Corp.	21,599	7
^* Superior Drilling Products Inc.	9,078	6

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	Shares	Market Value (\$000)
Tesoro Corp.	29	3
^* Yuma Energy Inc.	2,896	3
* PEDEVCO Corp.	4,110	3
* FieldPoint Petroleum Corp. Warrants Exp. 03/23/2018	33,558	2
^* EnerJex Resources Inc.	6,657	2
* Enservco Corp.	416	—
^ Harvest Natural Resources Inc.	133,886	—
		2,110,250
Financials (16.7%)		
First Republic Bank	1,946,381	194,833
* Markel Corp.	176,409	172,151
FNF Group	3,434,669	153,976
Annaly Capital Management Inc.	12,760,621	153,765
* Arch Capital Group Ltd.	1,625,770	151,668
TD Ameritrade Holding Corp.	3,070,968	132,021
Ally Financial Inc.	5,817,142	121,578
MSCI Inc. Class A	1,145,908	118,017
* SVB Financial Group	662,744	116,504
* Alleghany Corp.	195,354	116,197
East West Bancorp Inc.	1,830,002	107,202
Reinsurance Group of America Inc. Class A	813,388	104,431
* Signature Bank	676,187	97,053
MarketAxess Holdings Inc.	476,088	95,741
AGNC Investment Corp.	4,406,337	93,811
American Financial Group Inc.	931,414	92,555
SEI Investments Co.	1,690,384	90,909
^ CIT Group Inc.	1,819,463	88,608
Voya Financial Inc.	2,350,756	86,719
WR Berkley Corp.	1,223,014	84,596
FactSet Research Systems Inc.	496,546	82,516
New York Community Bancorp Inc.	6,215,616	81,611
Lazard Ltd. Class A	1,639,995	75,981
^* Janus Henderson Group plc	2,271,245	75,201
Starwood Property Trust Inc.	3,270,840	73,234
Bank of the Ozarks	1,524,690	71,462
RenaissanceRe Holdings Ltd.	512,785	71,303
PacWest Bancorp	1,505,917	70,326
Synovus Financial Corp.	1,550,390	68,589
Eaton Vance Corp.	1,445,619	68,407
Axis Capital Holdings Ltd.	1,054,005	68,152
Cullen/Frost Bankers Inc.	714,033	67,055
Assured Guaranty Ltd.	1,543,121	64,410
Commerce Bancshares Inc.	1,106,746	62,896
Brown & Brown Inc.	1,448,568	62,390
First American Financial Corp.	1,394,854	62,336
Webster Financial Corp.	1,155,768	60,354
Old Republic International Corp.	3,089,009	60,328
New Residential Investment Corp.	3,857,673	60,025
* Western Alliance Bancorp	1,212,155	59,638
* SLM Corp.	5,094,372	58,585
Pinnacle Financial Partners Inc.	916,870	57,579
FNB Corp.	4,060,703	57,500
Prosperity Bancshares Inc.	882,704	56,705
Wintrust Financial Corp.	704,983	53,889
Popular Inc.	1,273,172	53,104
* MGIC Investment Corp.	4,706,792	52,716
Investors Bancorp Inc.	3,927,648	52,473
Validus Holdings Ltd.	1,006,286	52,297
First Horizon National Corp.	2,981,776	51,943
United Bankshares Inc.	1,324,745	51,930
IBERIABANK Corp.	636,773	51,897
Hancock Holding Co.	1,057,089	51,797
Umpqua Holdings Corp.	2,763,055	50,730
White Mountains Insurance Group Ltd.	58,180	50,537

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	Shares	Market Value (\$000)
Associated Banc-Corp	1,950,351	49,149
* Texas Capital Bancshares Inc.	621,758	48,124
Hanover Insurance Group Inc.	537,366	47,627
CNO Financial Group Inc.	2,191,168	45,752
BankUnited Inc.	1,354,725	45,668
Bank of Hawaii Corp.	545,838	45,288
Radian Group Inc.	2,718,390	44,446
Primerica Inc.	576,513	43,671
Chemical Financial Corp.	900,534	43,595
Two Harbors Investment Corp.	4,368,284	43,290
LPL Financial Holdings Inc.	1,009,083	42,846
Fulton Financial Corp.	2,222,615	42,230
MFA Financial Inc.	5,016,875	42,092
First Citizens BancShares Inc. Class A	112,831	42,052
UMB Financial Corp.	561,623	42,043
Chimera Investment Corp.	2,250,636	41,929
Legg Mason Inc.	1,083,822	41,359
ProAssurance Corp.	675,994	41,100
* Athene Holding Ltd. Class A	825,964	40,976
Sterling Bancorp	1,730,771	40,240
Home BancShares Inc.	1,596,862	39,762
MB Financial Inc.	902,364	39,740
Valley National Bancorp	3,320,845	39,219
* Stifel Financial Corp.	851,129	39,135
^* Credit Acceptance Corp.	150,257	38,637
Aspen Insurance Holdings Ltd.	756,195	37,696
Blackstone Mortgage Trust Inc. Class A	1,192,401	37,680
First Financial Bankshares Inc.	846,393	37,411
Washington Federal Inc.	1,124,686	37,340
Selective Insurance Group Inc.	737,360	36,905
Cathay General Bancorp	965,501	36,641
FirstCash Inc.	623,500	36,350
Evercore Partners Inc. Class A	514,936	36,303
BGC Partners Inc. Class A	2,847,035	35,987
Glacier Bancorp Inc.	968,172	35,445
* Essent Group Ltd.	938,245	34,846
TCF Financial Corp.	2,153,255	34,323
Community Bank System Inc.	613,035	34,189
Federated Investors Inc. Class B	1,170,247	33,059
BancorpSouth Inc.	1,069,672	32,625
Interactive Brokers Group Inc.	850,022	31,808
Great Western Bancorp Inc.	738,472	30,137
Hope Bancorp Inc.	1,602,990	29,896
CVB Financial Corp.	1,325,235	29,725
Old National Bancorp	1,700,334	29,331
American Equity Investment Life Holding Co.	1,108,423	29,129
Columbia Banking System Inc.	726,572	28,954
Erie Indemnity Co. Class A	227,760	28,486
Trustmark Corp.	857,145	27,566
* Enstar Group Ltd.	136,890	27,193
RLI Corp.	487,568	26,631
South State Corp.	309,981	26,565
Financial Engines Inc.	724,430	26,514
International Bancshares Corp.	746,286	26,157
* FCB Financial Holdings Inc. Class A	532,571	25,430
Hilltop Holdings Inc.	969,694	25,416
Mercury General Corp.	467,543	25,247
United Community Banks Inc.	898,466	24,977
Renasant Corp.	568,547	24,868
* Eagle Bancorp Inc.	385,175	24,382
First Midwest Bancorp Inc.	1,035,536	24,138
* Genworth Financial Inc. Class A	6,348,065	23,932
Kemper Corp.	619,846	23,926
Capitol Federal Financial Inc.	1,662,611	23,626

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	Shares	Market Value (\$000)
Invesco Mortgage Capital Inc.	1,412,502	23,603
Astoria Financial Corp.	1,159,789	23,370
Argo Group International Holdings Ltd.	382,275	23,166
Independent Bank Corp.	345,230	23,010
* LendingClub Corp.	4,141,985	22,822
* PRA Group Inc.	593,950	22,511
Ameris Bancorp	466,271	22,474
BOK Financial Corp.	264,371	22,242
First Financial Bancorp	796,905	22,074
Apollo Commercial Real Estate Finance Inc.	1,177,606	21,845
Towne Bank	694,631	21,395
ServisFirst Bancshares Inc.	575,908	21,245
* Green Dot Corp. Class A	551,314	21,242
Northwest Bancshares Inc.	1,360,628	21,239
WesBanco Inc.	528,524	20,898
AmTrust Financial Services Inc.	1,368,959	20,726
LegacyTexas Financial Group Inc.	535,707	20,427
Simmons First National Corp. Class A	382,858	20,253
NBT Bancorp Inc.	541,155	19,996
^ Waddell & Reed Financial Inc. Class A	1,050,860	19,840
First Merchants Corp.	489,569	19,651
First Hawaiian Inc.	638,095	19,538
Horace Mann Educators Corp.	515,014	19,468
Westamerica Bancorporation	342,180	19,176
Provident Financial Services Inc.	737,440	18,716
Union Bankshares Corp.	550,005	18,645
* Santander Consumer USA Holdings Inc.	1,432,274	18,276
Artisan Partners Asset Management Inc. Class A	593,262	18,213
Banner Corp.	320,729	18,124
Morningstar Inc.	230,423	18,051
CenterState Banks Inc.	705,432	17,537
^.* BofI Holding Inc.	732,589	17,377
* Walker & Dunlop Inc.	355,212	17,345
Employers Holdings Inc.	408,270	17,270
Park National Corp.	163,467	16,955
National General Holdings Corp.	797,501	16,827
Redwood Trust Inc.	978,440	16,673
Boston Private Financial Holdings Inc.	1,082,933	16,623
* Pacific Premier Bancorp Inc.	449,322	16,580
* OneMain Holdings Inc. Class A	671,310	16,508
Berkshire Hills Bancorp Inc.	467,026	16,416
CYS Investments Inc.	1,948,108	16,384
WSFS Financial Corp.	358,245	16,246
* KCG Holdings Inc. Class A	813,771	16,227
Kearny Financial Corp.	1,086,788	16,139
Navigators Group Inc.	293,022	16,087
^.* LendingTree Inc.	91,926	15,830
S&T Bancorp Inc.	439,301	15,753
PennyMac Mortgage Investment Trust	854,203	15,623
Lakeland Financial Corp.	331,183	15,195
* MBIA Inc.	1,602,539	15,112
CNA Financial Corp.	308,532	15,041
WisdomTree Investments Inc.	1,445,351	14,699
Beneficial Bancorp Inc.	955,164	14,327
Hannon Armstrong Sustainable Infrastructure Capital Inc.	620,504	14,191
Brookline Bancorp Inc.	963,038	14,060
AMERISAFE Inc.	245,014	13,954
* FNFV Group	877,275	13,861
Stewart Information Services Corp.	303,197	13,759
Ladder Capital Corp. Class A	1,012,333	13,575
Heartland Financial USA Inc.	287,811	13,556
Banc of California Inc.	627,356	13,488
City Holding Co.	203,762	13,422
Infinity Property & Casualty Corp.	142,560	13,401

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	Shares	Market Value (\$000)
Capital Bank Financial Corp.	350,402	13,350
ARMOUR Residential REIT Inc.	526,644	13,166
First Commonwealth Financial Corp.	1,037,180	13,151
Sandy Spring Bancorp Inc.	320,691	13,039
Safety Insurance Group Inc.	190,025	12,979
Tompkins Financial Corp.	163,243	12,851
Capstead Mortgage Corp.	1,230,335	12,832
Southside Bancshares Inc.	360,887	12,609
First Busey Corp.	425,186	12,466
State Bank Financial Corp.	454,128	12,316
* Encore Capital Group Inc.	305,031	12,247
United Fire Group Inc.	277,930	12,246
* Seacoast Banking Corp. of Florida	504,034	12,147
Nelnet Inc. Class A	257,100	12,086
National Bank Holdings Corp. Class A	361,966	11,985
Enterprise Financial Services Corp.	293,091	11,958
Hanmi Financial Corp.	418,639	11,910
TFS Financial Corp.	766,287	11,854
Moelis & Co. Class A	296,729	11,528
MTGE Investment Corp.	607,603	11,423
* First BanCorp	1,972,624	11,422
American National Insurance Co.	97,565	11,365
Meridian Bancorp Inc.	667,321	11,278
Stock Yards Bancorp Inc.	289,271	11,253
Central Pacific Financial Corp.	351,149	11,051
Cohen & Steers Inc.	270,560	10,969
MainSource Financial Group Inc.	321,690	10,780
Piper Jaffray Cos.	178,765	10,717
James River Group Holdings Ltd.	266,863	10,602
First Interstate BancSystem Inc. Class A	283,953	10,563
Meta Financial Group Inc.	118,654	10,560
Lakeland Bancorp Inc.	556,143	10,483
Universal Insurance Holdings Inc.	413,930	10,431
United Financial Bancorp Inc.	624,269	10,419
Flushing Financial Corp.	367,874	10,370
* Customers Bancorp Inc.	365,427	10,334
Maiden Holdings Ltd.	927,608	10,296
* Third Point Reinsurance Ltd.	739,044	10,273
OceanFirst Financial Corp.	378,494	10,265
TriCo Bancshares	282,891	9,944
German American Bancorp Inc.	291,239	9,928
Houlihan Lokey Inc. Class A	280,975	9,806
National Western Life Group Inc. Class A	30,438	9,729
Univest Corp. of Pennsylvania	323,034	9,675
Independent Bank Group Inc.	162,230	9,653
* PHH Corp.	695,053	9,571
1st Source Corp.	199,314	9,555
Northfield Bancorp Inc.	553,235	9,488
First Bancorp	303,333	9,482
Heritage Financial Corp.	356,586	9,450
BancFirst Corp.	96,723	9,343
Virtus Investment Partners Inc.	83,023	9,211
Bryn Mawr Bank Corp.	215,037	9,139
Preferred Bank	169,221	9,048
^ Virtu Financial Inc. Class A	511,582	9,029
* HomeStreet Inc.	324,510	8,981
Washington Trust Bancorp Inc.	173,524	8,945
TrustCo Bank Corp. NY	1,153,005	8,936
^ New York Mortgage Trust Inc.	1,424,471	8,860
Investment Technology Group Inc.	412,723	8,766
Community Trust Bancorp Inc.	199,865	8,744
Great Southern Bancorp Inc.	162,956	8,718
CoBiz Financial Inc.	498,627	8,676
ConnectOne Bancorp Inc.	380,186	8,573

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	Shares	Market Value (\$000)
* Flagstar Bancorp Inc.	277,381	8,549
* HarborOne Bancorp Inc.	426,623	8,515
PJT Partners Inc.	209,442	8,424
Diamond Hill Investment Group Inc.	42,138	8,402
* Donnelley Financial Solutions Inc.	359,107	8,245
Stonegate Bank	178,003	8,220
* Greenlight Capital Re Ltd. Class A	386,105	8,070
* NMI Holdings Inc. Class A	704,672	8,069
Park Sterling Corp.	679,005	8,067
Peoples Bancorp Inc.	250,448	8,047
Oritani Financial Corp.	471,873	8,045
Anworth Mortgage Asset Corp.	1,325,820	7,968
Camden National Corp.	185,570	7,963
FBL Financial Group Inc. Class A	126,817	7,799
First Financial Corp.	164,697	7,790
Federal Agricultural Mortgage Corp.	120,119	7,772
* CU Bancorp	212,394	7,678
* TriState Capital Holdings Inc.	301,606	7,600
OCR Holdings Inc.	159,714	7,570
* INTL. FCStone Inc.	200,443	7,569
First of Long Island Corp.	263,749	7,543
* Nationstar Mortgage Holdings Inc.	418,056	7,479
State National Cos. Inc.	405,961	7,462
Bridge Bancorp Inc.	223,029	7,427
Horizon Bancorp	275,627	7,263
Dime Community Bancshares Inc.	368,849	7,229
Mercantile Bank Corp.	226,748	7,138
AG Mortgage Investment Trust Inc.	389,372	7,126
Kinsale Capital Group Inc.	188,870	7,047
Independent Bank Corp.	323,258	7,031
First Defiance Financial Corp.	131,219	6,913
Fidelity Southern Corp.	300,605	6,872
Greenhill & Co. Inc.	340,494	6,844
Blue Hills Bancorp Inc.	377,092	6,750
Waterstone Financial Inc.	357,429	6,738
^ Live Oak Bancshares Inc.	273,743	6,625
* Franklin Financial Network Inc.	159,817	6,592
Peapack Gladstone Financial Corp.	204,330	6,394
Arrow Financial Corp.	200,440	6,344
Pacific Continental Corp.	246,936	6,309
* First Foundation Inc.	371,677	6,107
Southwest Bancorp Inc.	237,815	6,076
People's Utah Bancorp	226,690	6,075
* Republic First Bancorp Inc.	655,473	6,063
OFG Bancorp	605,303	6,053
Westwood Holdings Group Inc.	106,251	6,023
Heritage Commerce Corp.	428,147	5,900
Western Asset Mortgage Capital Corp.	571,680	5,888
* Allegiance Bancshares Inc.	153,631	5,884
First Community Bancshares Inc.	212,417	5,810
State Auto Financial Corp.	223,739	5,757
* Bancorp Inc.	755,621	5,728
* World Acceptance Corp.	76,335	5,718
West Bancorporation Inc.	238,945	5,651
United Community Financial Corp.	679,712	5,648
* HomeTrust Bancshares Inc.	231,076	5,638
Guaranty Bancorp	207,216	5,636
Opus Bank	232,729	5,632
Financial Institutions Inc.	186,167	5,548
OneBeacon Insurance Group Ltd. Class A	302,015	5,506
* Triumph Bancorp Inc.	222,587	5,465
* Green Bancorp Inc.	281,486	5,461
Bar Harbor Bankshares	175,708	5,415
Arbor Realty Trust Inc.	638,414	5,324

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	Shares	Market Value (\$000)
Bank Mutual Corp.	577,567	5,285
Carolina Financial Corp.	163,298	5,278
* Cowen Inc. Class A	324,222	5,269
Ares Commercial Real Estate Corp.	391,554	5,125
* Nicolet Bankshares Inc.	93,413	5,111
* EZCORP Inc. Class A	662,263	5,099
* National Commerce Corp.	128,518	5,083
Old Second Bancorp Inc.	431,357	4,982
Clifton Bancorp Inc.	300,936	4,974
HCI Group Inc.	105,735	4,967
Dynex Capital Inc.	694,478	4,931
Fidelity & Guaranty Life	157,846	4,901
* Global Indemnity Ltd.	125,857	4,879
* Enova International Inc.	327,742	4,867
Access National Corp.	181,521	4,814
Farmers National Banc Corp.	327,974	4,756
* Ambac Financial Group Inc.	271,153	4,705
Territorial Bancorp Inc.	150,431	4,692
* Veritex Holdings Inc.	177,450	4,672
First Connecticut Bancorp Inc.	181,541	4,657
Republic Bancorp Inc. Class A	130,367	4,654
^,* Trupanion Inc.	204,919	4,586
WashingtonFirst Bankshares Inc.	128,431	4,435
^,* Citizens Inc. Class A	596,638	4,403
* PennyMac Financial Services Inc. Class A	263,226	4,396
Heritage Insurance Holdings Inc.	333,234	4,339
Allied World Assurance Co. Holdings AG	81,519	4,312
Citizens & Northern Corp.	179,542	4,176
Resource Capital Corp.	408,558	4,155
* eHealth Inc.	218,799	4,113
Arlington Asset Investment Corp. Class A	299,044	4,088
* Atlantic Capital Bancshares Inc.	211,384	4,016
* BSB Bancorp Inc.	135,088	3,951
Southern National Bancorp of Virginia Inc.	219,564	3,864
CNB Financial Corp.	160,784	3,854
Farmers Capital Bank Corp.	99,502	3,836
Sierra Bancorp	155,427	3,816
* Ladenburg Thalmann Financial Services Inc.	1,539,880	3,757
Sun Bancorp Inc.	150,099	3,700
Macatawa Bank Corp.	387,283	3,695
MidWestOne Financial Group Inc.	108,606	3,681
Baldwin & Lyons Inc.	149,877	3,672
Orchid Island Capital Inc.	371,790	3,666
United Insurance Holdings Corp.	230,281	3,622
Xenith Bankshares Inc.	116,180	3,609
First Bancorp Inc.	133,334	3,608
* PCSB Financial Corp.	211,252	3,604
Bank of Marin Bancorp	58,535	3,603
* Ocwen Financial Corp.	1,331,510	3,582
American National Bankshares Inc.	96,353	3,560
* Safeguard Scientifics Inc.	297,369	3,539
EMC Insurance Group Inc.	124,816	3,467
First Mid-Illinois Bancshares Inc.	96,425	3,302
Hamilton Lane Inc. Class A	148,333	3,262
* Regional Management Corp.	137,070	3,239
MutualFirst Financial Inc.	90,335	3,225
Old Line Bancshares Inc.	114,433	3,225
* WMIH Corp.	2,571,242	3,214
KKR Real Estate Finance Trust Inc.	147,682	3,175
National Bankshares Inc.	77,580	3,165
Capital City Bank Group Inc.	152,691	3,118
Marlin Business Services Corp.	122,651	3,085
Northrim BanCorp Inc.	101,162	3,075
Western New England Bancorp Inc.	297,814	3,023

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	Shares	Market Value (\$000)
^* FB Financial Corp.	83,364	3,017
Hingham Institution for Savings	16,507	3,003
Charter Financial Corp.	166,610	2,999
Great Ajax Corp.	214,035	2,992
SI Financial Group Inc.	185,153	2,981
* First Northwest Bancorp	186,909	2,948
Enterprise Bancorp Inc.	82,610	2,936
Century Bancorp Inc. Class A	45,538	2,896
ACNB Corp.	94,779	2,891
Cherry Hill Mortgage Investment Corp.	154,434	2,852
BankFinancial Corp.	190,373	2,840
B. Riley Financial Inc.	152,499	2,829
^* Impac Mortgage Holdings Inc.	182,053	2,754
Oppenheimer Holdings Inc. Class A	167,429	2,746
First Business Financial Services Inc.	118,933	2,745
Southern Missouri Bancorp Inc.	85,080	2,745
Investors Title Co.	14,123	2,732
Ames National Corp.	88,331	2,703
Orrstown Financial Services Inc.	118,086	2,698
Midland States Bancorp Inc.	78,737	2,639
^ Civista Bancshares Inc.	123,605	2,581
^* On Deck Capital Inc.	553,146	2,578
Peoples Financial Services Corp.	58,925	2,577
Crawford & Co. Class B	270,414	2,515
Federated National Holding Co.	155,310	2,485
* Entegra Financial Corp.	108,557	2,470
* Equity Bancshares Inc. Class A	79,575	2,438
First Internet Bancorp	85,509	2,399
Codorus Valley Bancorp Inc.	81,185	2,306
Bankwell Financial Group Inc.	72,989	2,279
Pzena Investment Management Inc. Class A	223,147	2,267
Bank of Commerce Holdings	203,414	2,248
* First United Corp.	149,778	2,239
Investar Holding Corp.	97,654	2,236
* First Community Financial Partners Inc.	172,853	2,230
* Pacific Mercantile Bancorp	253,182	2,228
* Atlas Financial Holdings Inc.	146,139	2,177
Peoples Bancorp of North Carolina Inc.	68,636	2,169
Central Valley Community Bancorp	97,809	2,167
Provident Financial Holdings Inc.	112,550	2,167
Canadian Imperial Bank of Commerce	26,524	2,153
* Community Bankers Trust Corp.	259,595	2,142
Home Bancorp Inc.	49,870	2,120
Community Financial Corp.	55,053	2,120
Owens Realty Mortgage Inc.	124,790	2,116
LCNB Corp.	105,699	2,114
GAIN Capital Holdings Inc.	330,030	2,056
* NI Holdings Inc.	114,411	2,046
Shore Bancshares Inc.	123,573	2,033
Penns Woods Bancorp Inc.	49,331	2,031
Northeast Bancorp	96,726	1,968
ESSA Bancorp Inc.	133,034	1,958
Summit Financial Group Inc.	88,451	1,946
NewStar Financial Inc.	182,206	1,913
Tiptree Inc.	270,701	1,908
Commerce Union Bancshares Inc.	79,451	1,897
Donegal Group Inc. Class A	118,948	1,891
MBT Financial Corp.	191,008	1,853
Evans Bancorp Inc.	44,970	1,797
County Bancorp Inc.	71,701	1,721
First Community Corp.	81,398	1,709
CIM Commercial Trust Corp.	106,865	1,699
First Financial Northwest Inc.	103,776	1,674
* SmartFinancial Inc.	68,689	1,640

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	Shares	Market Value (\$000)
Ellington Residential Mortgage REIT	111,487	1,634
Riverview Bancorp Inc.	241,995	1,607
* ASB Bancorp Inc.	36,550	1,606
AmeriServ Financial Inc.	386,789	1,605
GAMCO Investors Inc. Class A	53,648	1,588
Hallmark Financial Services Inc.	139,376	1,571
* Howard Bancorp Inc.	79,678	1,534
First Bank	131,649	1,534
* Security National Financial Corp. Class A	239,558	1,533
* Elevate Credit Inc.	193,421	1,532
* Southern First Bancshares Inc.	39,728	1,472
Independence Holding Co.	70,787	1,448
Guaranty Bancshares Inc.	44,800	1,431
BCB Bancorp Inc.	90,714	1,388
United Security Bancshares	148,307	1,372
Timberland Bancorp Inc.	53,513	1,352
MidSouth Bancorp Inc.	114,685	1,348
* Provident Bancorp Inc.	59,749	1,344
Unity Bancorp Inc.	76,575	1,317
Associated Capital Group Inc. Class A	38,163	1,298
Hawthorn Bancshares Inc.	61,934	1,288
First South Bancorp Inc.	77,061	1,275
^ Ohio Valley Banc Corp.	34,846	1,256
Parke Bancorp Inc.	55,498	1,243
Citizens Community Bancorp Inc.	87,180	1,219
Sutherland Asset Management Corp.	81,592	1,212
Union Bankshares Inc.	25,508	1,212
C&F Financial Corp.	25,412	1,192
Kingstone Cos. Inc.	77,799	1,190
* Consumer Portfolio Services Inc.	261,044	1,188
American River Bankshares	81,128	1,177
1st Constitution Bancorp	65,078	1,155
Chemung Financial Corp.	28,178	1,152
* Atlantic Coast Financial Corp.	140,531	1,123
* Health Insurance Innovations Inc. Class A	47,463	1,115
Prudential Bancorp Inc.	60,329	1,096
Colony Bankcorp Inc.	79,413	1,088
Donegal Group Inc. Class B	63,194	1,013
Great Elm Capital Group Inc.	291,693	992
* Nicholas Financial Inc.	107,396	991
Blue Capital Reinsurance Holdings Ltd.	54,146	991
Premier Financial Bancorp Inc.	47,085	970
Hennessy Advisors Inc.	62,786	953
Oak Valley Bancorp	66,347	937
Five Oaks Investment Corp.	191,870	936
First Bancshares Inc.	32,953	910
* HMN Financial Inc.	47,639	855
Two River Bancorp	44,927	835
* Malvern Bancorp Inc.	33,943	813
Old Point Financial Corp.	23,662	778
Guaranty Federal Bancshares Inc.	36,591	776
^ DNB Financial Corp.	22,013	755
Federal Agricultural Mortgage Corp. Class A	12,586	749
Bear State Financial Inc.	78,888	746
^ Norwood Financial Corp.	16,771	709
Sussex Bancorp	27,544	682
A-Mark Precious Metals Inc.	37,495	616
Plumas Bancorp	28,347	604
* Ashford Inc.	11,848	594
Citizens Holding Co.	22,634	588
Crawford & Co. Class A	75,215	585
* Royal Bancshares of Pennsylvania Inc.	134,386	568
SB Financial Group Inc.	33,086	562
First Savings Financial Group Inc.	9,746	534

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	Shares	Market Value (\$000)
* Capstar Financial Holdings Inc.	28,161	500
Fifth Street Asset Management Inc.	98,079	476
Silvercrest Asset Management Group Inc. Class A	34,347	462
^* Walter Investment Management Corp.	475,576	450
Manhattan Bridge Capital Inc.	74,147	441
* Select Bancorp Inc.	35,802	438
* Anchor Bancorp Inc.	16,381	414
* Sunshine Bancorp Inc.	19,185	409
* Byline Bancorp Inc.	18,468	370
FS Bancorp Inc.	8,251	368
* Central Federal Corp.	155,702	324
US Global Investors Inc. Class A	209,856	321
Eagle Bancorp Montana Inc.	16,183	293
Manning & Napier Inc.	61,877	269
United Bancshares Inc.	11,489	267
CB Financial Services Inc.	9,934	259
Medley Management Inc. Class A	38,692	252
Greene County Bancorp Inc.	9,080	247
^* Patriot National Inc.	114,320	242
Wolverine Bancorp Inc.	5,954	239
* Atlanticus Holdings Corp.	88,514	235
* Paragon Commercial Corp.	3,723	195
Sound Financial Bancorp Inc.	5,400	164
^* Global Brokerage Inc.	82,021	164
United Community Bancorp	8,074	158
* Conifer Holdings Inc.	21,788	156
* Asta Funding Inc.	18,342	150
HopFed Bancorp Inc.	10,222	150
IF Bancorp Inc.	7,557	147
* Magyar Bancorp Inc.	10,365	139
* Severn Bancorp Inc.	19,055	139
Southwest Georgia Financial Corp.	6,935	139
* Coastway Bancorp Inc.	6,430	132
^* Middlefield Banc Corp.	2,628	132
* MSB Financial Corp.	7,376	129
* TheStreet Inc.	139,673	116
United Bancorp Inc.	9,360	115
Bank of South Carolina Corp.	5,642	114
* Hamilton Bancorp Inc.	7,058	106
Glen Burnie Bancorp	9,147	99
* First Acceptance Corp.	82,474	94
* Peoples Financial Corp.	6,186	85
Salisbury Bancorp Inc.	1,844	76
Porter Bancorp Inc.	7,411	76
Kentucky First Federal Bancorp	7,514	71
^ Oconee Federal Financial Corp.	2,383	66
* Randolph Bancorp Inc.	3,912	64
PB Bancorp Inc.	6,001	64
First Capital Inc.	1,612	51
Community West Bancshares	4,500	47
Mackinac Financial Corp.	3,236	45
* 1347 Property Insurance Holdings Inc.	5,528	44
Bancorp of New Jersey Inc.	2,481	41
Mid Penn Bancorp Inc.	1,384	38
Fauquier Bankshares Inc.	1,931	37
^* ZAIS Group Holdings Inc.	14,486	34
First US Bancshares Inc.	2,192	25
* Patriot National Bancorp Inc.	1,479	24
^ Stewardship Financial Corp.	2,551	24
Landmark Bancorp Inc.	741	23
* Bay Bancorp Inc.	2,897	22
* National Holdings Corp.	7,908	22
* Village Bank and Trust Financial Corp.	600	19
Auburn National Bancorporation Inc.	359	13

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	Shares	Market Value (\$000)
California First National Bancorp	703	13
* Westbury Bancorp Inc.	600	12
Value Line Inc.	586	11
Elmira Savings Bank	431	9
Wellesley Bank	300	8
Siebert Financial Corp.	1,836	7
Summit State Bank	500	7
* National Holdings Corp. Warrants Exp. 01/18/2022	7,766	5
Atlantic American Corp.	1,084	4
* Broadway Financial Corp.	1,800	4
Lake Shore Bancorp Inc.	200	3
* Carver Bancorp Inc.	445	2
Institutional Financial Markets Inc.	649	1
		9,556,199
Health Care (11.5%)		
* BioMarin Pharmaceutical Inc.	2,204,316	200,196
* Quintiles IMS Holdings Inc.	1,721,356	154,061
ResMed Inc.	1,791,448	139,500
* Jazz Pharmaceuticals plc	760,132	118,201
Teleflex Inc.	566,050	117,603
* Alkermes plc	1,936,798	112,276
* WellCare Health Plans Inc.	562,385	100,982
* VCA Inc.	1,024,333	94,556
West Pharmaceutical Services Inc.	931,637	88,058
STERIS plc	1,070,789	87,269
* Bioerativ Inc.	1,367,481	82,281
* Alnylam Pharmaceuticals Inc.	1,026,995	81,913
* Veeva Systems Inc. Class A	1,335,193	81,861
* DexCom Inc.	1,093,316	79,976
* Ionis Pharmaceuticals Inc.	1,567,210	79,724
* United Therapeutics Corp.	569,232	73,846
* ABIOMED Inc.	513,612	73,601
* Exelixis Inc.	2,929,839	72,162
* MEDNAX Inc.	1,178,466	71,144
* athenahealth Inc.	501,507	70,487
^* Kite Pharma Inc.	636,180	65,953
* Seattle Genetics Inc.	1,230,611	63,672
^* TESARO Inc.	435,651	60,930
Hill-Rom Holdings Inc.	762,009	60,664
* Charles River Laboratories International Inc.	595,992	60,285
* Bio-Rad Laboratories Inc. Class A	260,926	59,050
* Clovis Oncology Inc.	625,204	58,538
* Bluebird Bio Inc.	555,064	58,309
* Catalent Inc.	1,584,228	55,606
* PAREXEL International Corp.	637,754	55,427
Bio-Techne Corp.	470,986	55,341
* Alere Inc.	1,097,075	55,062
HealthSouth Corp.	1,125,240	54,462
* Medidata Solutions Inc.	694,099	54,279
^* Exact Sciences Corp.	1,494,331	52,854
* Masimo Corp.	579,482	52,837
* Neurocrine Biosciences Inc.	1,114,605	51,272
* NuVasive Inc.	637,821	49,061
^* Acadia Healthcare Co. Inc.	965,619	47,682
Chemed Corp.	206,572	42,250
* Integra LifeSciences Holdings Corp.	758,926	41,369
* Portola Pharmaceuticals Inc.	718,091	40,335
* INC Research Holdings Inc. Class A	680,523	39,811
Bruker Corp.	1,343,732	38,753
* Nektar Therapeutics Class A	1,967,883	38,472
* Insulet Corp.	730,935	37,504
* Molina Healthcare Inc.	541,075	37,432
* Akorn Inc.	1,105,607	37,082
* PRA Health Sciences Inc.	490,412	36,786

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	Shares	Market Value (\$000)
* Wright Medical Group NV	1,315,533	36,164
* Cantel Medical Corp.	463,340	36,099
* Prestige Brands Holdings Inc.	672,705	35,526
* VWR Corp.	1,074,910	35,483
^* Medicines Co.	914,410	34,757
* Brookdale Senior Living Inc.	2,355,930	34,656
* LifePoint Health Inc.	507,490	34,078
* LivaNova plc	552,654	33,828
* Neogen Corp.	487,664	33,702
^* ACADIA Pharmaceuticals Inc.	1,201,693	33,515
* ICU Medical Inc.	188,881	32,582
* Ironwood Pharmaceuticals Inc. Class A	1,687,197	31,854
* Sage Therapeutics Inc.	397,622	31,667
* Puma Biotechnology Inc.	356,053	31,119
* Ultragenyx Pharmaceutical Inc.	490,608	30,472
* Globus Medical Inc.	918,207	30,439
^* OPKO Health Inc.	4,619,483	30,396
* Penumbra Inc.	343,077	30,105
^* Ligand Pharmaceuticals Inc.	244,067	29,630
* Allscripts Healthcare Solutions Inc.	2,311,971	29,501
^* Juno Therapeutics Inc.	969,434	28,976
* Endo International plc	2,520,056	28,149
* HealthEquity Inc.	559,533	27,882
* Supernus Pharmaceuticals Inc.	638,498	27,519
* Agios Pharmaceuticals Inc.	530,305	27,284
^* Intercept Pharmaceuticals Inc.	222,616	26,952
* Haemonetics Corp.	663,555	26,204
^* Prothena Corp. plc	481,570	26,063
* Owens & Minor Inc.	774,671	24,937
* Cambrex Corp.	409,858	24,489
* Horizon Pharma plc	2,045,481	24,280
* Pacira Pharmaceuticals Inc.	508,190	24,241
* Merit Medical Systems Inc.	622,573	23,751
* Premier Inc. Class A	657,910	23,685
* AMN Healthcare Services Inc.	605,818	23,657
* Avexis Inc.	287,659	23,634
* Aerie Pharmaceuticals Inc.	448,738	23,581
* FibroGen Inc.	728,572	23,533
* Halyard Health Inc.	597,746	23,479
^* Myriad Genetics Inc.	867,943	22,428
* Amedisys Inc.	353,978	22,233
* Blueprint Medicines Corp.	437,847	22,186
* Magellan Health Inc.	299,151	21,808
* Nevro Corp.	290,559	21,626
* Sarepta Therapeutics Inc.	640,966	21,607
* Radius Health Inc.	472,696	21,380
* Spectranetics Corp.	552,998	21,235
^* Halozyme Therapeutics Inc.	1,648,947	21,139
* Select Medical Holdings Corp.	1,355,949	20,814
* Omnicell Inc.	465,804	20,076
* HMS Holdings Corp.	1,076,893	19,923
^* Tenet Healthcare Corp.	1,018,696	19,702
* Inogen Inc.	203,900	19,456
^* Theravance Biopharma Inc.	487,966	19,441
* Repligen Corp.	466,427	19,329
^* MiMedx Group Inc.	1,284,652	19,231
* NxStage Medical Inc.	762,991	19,128
* Loxo Oncology Inc.	236,657	18,978
^* Intrexon Corp.	777,546	18,731
^* Amicus Therapeutics Inc.	1,806,697	18,193
* Array BioPharma Inc.	2,153,750	18,027
* Tivity Health Inc.	421,590	16,800
* Spark Therapeutics Inc.	280,116	16,734
* CONMED Corp.	322,071	16,406

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	Shares	Market Value (\$000)
^* Teladoc Inc.	467,598	16,226
* Varex Imaging Corp.	478,589	16,176
* Natus Medical Inc.	420,599	15,688
Abaxis Inc.	290,560	15,405
* Integer Holdings Corp.	353,049	15,269
* Impax Laboratories Inc.	943,323	15,187
* Emergent BioSolutions Inc.	439,607	14,907
* Community Health Systems Inc.	1,454,179	14,484
* Momenta Pharmaceuticals Inc.	843,184	14,250
* Evolent Health Inc. Class A	548,651	13,908
* Insmed Inc.	794,670	13,637
* Cardiovascular Systems Inc.	422,670	13,623
Ensign Group Inc.	622,481	13,551
* LHC Group Inc.	194,371	13,196
* Innoviva Inc.	996,890	12,760
^* Synergy Pharmaceuticals Inc.	2,840,393	12,640
Kindred Healthcare Inc.	1,083,793	12,626
* OraSure Technologies Inc.	723,807	12,493
* Corcept Therapeutics Inc.	1,050,784	12,399
* Acceleron Pharma Inc.	406,455	12,352
* BioTelemetry Inc.	360,761	12,067
Atrion Corp.	18,667	12,008
Analogic Corp.	163,253	11,860
* Acorda Therapeutics Inc.	588,818	11,600
^* Immunomedics Inc.	1,282,849	11,328
* Cotiviti Holdings Inc.	302,879	11,249
* Dermira Inc.	384,089	11,192
* Global Blood Therapeutics Inc.	407,038	11,132
^* Inovalon Holdings Inc. Class A	844,603	11,107
^* TherapeuticsMD Inc.	2,101,924	11,077
* Five Prime Therapeutics Inc.	366,470	11,034
* K2M Group Holdings Inc.	449,954	10,961
* Orthofix International NV	232,447	10,804
* PharMerica Corp.	405,952	10,656
Luminex Corp.	502,548	10,614
* Quality Systems Inc.	602,715	10,373
^* Omeros Corp.	516,776	10,286
* Quidel Corp.	375,976	10,204
* Xencor Inc.	473,773	10,001
^* ZIOPHARM Oncology Inc.	1,598,374	9,942
^* Keryx Biopharmaceuticals Inc.	1,365,652	9,874
US Physical Therapy Inc.	163,000	9,845
* Almost Family Inc.	159,038	9,805
^* Lexicon Pharmaceuticals Inc.	588,720	9,684
^* Esperion Therapeutics Inc.	209,201	9,682
* AtriCure Inc.	397,561	9,641
* Vanda Pharmaceuticals Inc.	588,446	9,592
* Anika Therapeutics Inc.	192,008	9,474
Phibro Animal Health Corp. Class A	248,592	9,210
* Intersect ENT Inc.	325,890	9,109
Meridian Bioscience Inc.	569,312	8,967
* HealthStream Inc.	334,841	8,813
* Vocera Communications Inc.	333,171	8,802
* Retrophin Inc.	453,032	8,784
^* Accelerate Diagnostics Inc.	316,876	8,667
* Depomed Inc.	796,008	8,549
National HealthCare Corp.	121,664	8,533
^* Achaogen Inc.	387,338	8,417
* Genomic Health Inc.	256,512	8,349
* Diplomat Pharmacy Inc.	562,782	8,329
* Sangamo Therapeutics Inc.	945,063	8,317
* Heska Corp.	80,977	8,265
* Amphastar Pharmaceuticals Inc.	461,195	8,237
^* ImmunoGen Inc.	1,152,373	8,193

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	Shares	Market Value (\$000)
* PTC Therapeutics Inc.	442,990	8,120
* Eagle Pharmaceuticals Inc.	102,572	8,092
* AMAG Pharmaceuticals Inc.	437,501	8,050
* Providence Service Corp.	158,374	8,015
^* Heron Therapeutics Inc.	570,342	7,899
* Epizyme Inc.	515,230	7,780
* SciClone Pharmaceuticals Inc.	698,876	7,688
^* Lannett Co. Inc.	374,440	7,639
* GenMark Diagnostics Inc.	639,254	7,562
* CryoLife Inc.	375,824	7,498
* AngioDynamics Inc.	456,279	7,396
^* Revance Therapeutics Inc.	273,231	7,213
* Achillion Pharmaceuticals Inc.	1,550,125	7,115
* MacroGenics Inc.	404,495	7,083
^* Inovio Pharmaceuticals Inc.	898,139	7,041
* Cytokinetics Inc.	579,431	7,011
* Spectrum Pharmaceuticals Inc.	923,956	6,883
^* Foundation Medicine Inc.	172,636	6,862
* Arena Pharmaceuticals Inc.	395,887	6,679
* Otonomy Inc.	352,635	6,647
* Enanta Pharmaceuticals Inc.	183,125	6,589
* Landauer Inc.	125,877	6,583
* REGENXBIO Inc.	327,566	6,469
^* Alder Biopharmaceuticals Inc.	563,766	6,455
* Coherus Biosciences Inc.	444,965	6,385
^* La Jolla Pharmaceutical Co.	212,889	6,338
* Akebia Therapeutics Inc.	437,620	6,289
* Progenics Pharmaceuticals Inc.	921,223	6,255
^* TG Therapeutics Inc.	617,326	6,204
* Paratek Pharmaceuticals Inc.	257,164	6,198
* Aimmune Therapeutics Inc.	301,267	6,194
^* Flexion Therapeutics Inc.	306,184	6,191
* Enzo Biochem Inc.	557,121	6,151
* Albany Molecular Research Inc.	281,465	6,108
* AxoGen Inc.	362,730	6,076
* Glaukos Corp.	144,862	6,007
^* Antares Pharma Inc.	1,846,619	5,946
^* Geron Corp.	2,142,085	5,934
* Aceto Corp.	380,301	5,876
* NeoGenomics Inc.	655,378	5,872
^* Dynavax Technologies Corp.	595,648	5,748
* BioCryst Pharmaceuticals Inc.	1,023,559	5,691
* Lantheus Holdings Inc.	317,920	5,611
* Cross Country Healthcare Inc.	430,292	5,555
* Surgery Partners Inc.	240,308	5,467
* Intra-Cellular Therapies Inc. Class A	438,567	5,447
* Invacare Corp.	411,618	5,433
* Capital Senior Living Corp.	355,267	5,404
* Ignyta Inc.	521,489	5,397
* Versartis Inc.	309,295	5,397
^* Teligent Inc.	586,057	5,362
* PDL BioPharma Inc.	2,152,495	5,317
* Surmodics Inc.	187,600	5,281
* Triple-S Management Corp. Class B	311,145	5,261
^* Cara Therapeutics Inc.	341,845	5,261
* Accuray Inc.	1,097,507	5,213
^* Endologix Inc.	1,059,426	5,149
* LeMaitre Vascular Inc.	163,016	5,089
^* Rockwell Medical Inc.	630,858	5,003
^* Editas Medicine Inc.	293,621	4,927
* Calithera Biosciences Inc.	329,678	4,896
* Iovance Biotherapeutics Inc.	665,943	4,895
* CorVel Corp.	102,030	4,841
* ANI Pharmaceuticals Inc.	103,218	4,831

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	Shares	Market Value (\$000)
* Audentes Therapeutics Inc.	244,175	4,671
* Cuteria Inc.	178,652	4,627
* CytomX Therapeutics Inc.	298,449	4,626
* Aclaris Therapeutics Inc.	170,479	4,623
^* Computer Programs & Systems Inc.	140,949	4,623
^* Zogenix Inc.	318,022	4,611
^* Aduro Biotech Inc.	403,848	4,604
^* BioTime Inc.	1,448,554	4,563
* RTI Surgical Inc.	769,011	4,499
* Exactech Inc.	144,775	4,314
* Rigel Pharmaceuticals Inc.	1,576,644	4,304
^* BioScrip Inc.	1,533,096	4,162
* Karyopharm Therapeutics Inc.	455,146	4,119
^* Novavax Inc.	3,544,435	4,076
^* Insys Therapeutics Inc.	320,237	4,051
* iRhythm Technologies Inc.	95,327	4,050
* STAAR Surgical Co.	369,430	3,990
* Pacific Biosciences of California Inc.	1,104,314	3,931
* Agenus Inc.	997,713	3,901
^* Invitae Corp.	402,826	3,851
^* Aquinox Pharmaceuticals Inc.	271,383	3,818
* Assembly Biosciences Inc.	180,795	3,733
^* Atara Biotherapeutics Inc.	264,999	3,710
* Civitas Solutions Inc.	208,378	3,647
* Addus HomeCare Corp.	97,864	3,641
^* Adamas Pharmaceuticals Inc.	206,761	3,616
* RadNet Inc.	463,173	3,590
^* Bellicum Pharmaceuticals Inc.	306,686	3,582
* Natera Inc.	328,689	3,570
* Tetraphase Pharmaceuticals Inc.	499,997	3,565
* GlycoMimetics Inc.	319,332	3,564
* NanoString Technologies Inc.	211,517	3,498
^* Cerus Corp.	1,377,742	3,458
* Sucampo Pharmaceuticals Inc. Class A	328,238	3,446
^* Celldex Therapeutics Inc.	1,344,689	3,321
^* Collegium Pharmaceutical Inc.	262,915	3,289
^* Organovo Holdings Inc.	1,236,956	3,253
* Chimerix Inc.	586,863	3,198
^* Seres Therapeutics Inc.	279,416	3,157
* Aratana Therapeutics Inc.	426,659	3,085
^* Reata Pharmaceuticals Inc. Class A	96,302	3,047
* R1 RCM Inc.	806,086	3,023
* Curis Inc.	1,588,633	3,003
* Medpace Holdings Inc.	103,108	2,990
^* Advaxis Inc.	458,373	2,975
* Cempira Inc.	641,205	2,950
* Edge Therapeutics Inc.	282,108	2,894
* BioSpecifics Technologies Corp.	57,123	2,828
^* American Renal Associates Holdings Inc.	152,277	2,825
* MyoKardia Inc.	210,848	2,762
* WaVe Life Sciences Ltd.	148,373	2,760
^* Idera Pharmaceuticals Inc.	1,603,118	2,757
* Durect Corp.	1,764,447	2,753
* ChemoCentryx Inc.	291,070	2,724
* Cascadian Therapeutics Inc.	730,797	2,715
* Concert Pharmaceuticals Inc.	194,300	2,710
^* Ocular Therapeutix Inc.	280,429	2,600
^* Anavex Life Sciences Corp.	483,506	2,572
^* NantKwest Inc.	338,774	2,571
* Stemline Therapeutics Inc.	279,102	2,568
^* ViewRay Inc.	396,179	2,563
* FONAR Corp.	91,654	2,543
* Entellus Medical Inc.	152,780	2,530
^* Pulse Biosciences Inc.	71,241	2,460

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	Shares	Market Value (\$000)
* Syndax Pharmaceuticals Inc.	174,971	2,444
* Castlight Health Inc. Class B	587,545	2,438
National Research Corp. Class A	90,022	2,422
* Biohaven Pharmaceutical Holding Co. Ltd.	95,631	2,391
^* Corbus Pharmaceuticals Holdings Inc.	375,877	2,368
Utah Medical Products Inc.	32,646	2,364
^* Zynherba Pharmaceuticals Inc.	136,785	2,321
^* Catalyst Pharmaceuticals Inc.	812,303	2,242
* ConforMIS Inc.	501,205	2,150
^* MediciNova Inc.	405,665	2,134
* Veracyte Inc.	253,683	2,113
^* Athersys Inc.	1,385,391	2,092
* Minerva Neurosciences Inc.	236,070	2,089
* NewLink Genetics Corp.	281,288	2,067
* Cymabay Therapeutics Inc.	353,962	2,039
* AVEO Pharmaceuticals Inc.	916,475	2,035
^* BioDelivery Sciences International Inc.	724,172	2,028
^* Conatus Pharmaceuticals Inc.	350,127	2,017
^* Abeona Therapeutics Inc.	310,963	1,990
Psychemedics Corp.	78,603	1,961
* Sientra Inc.	200,988	1,954
Merrimack Pharmaceuticals Inc.	1,574,682	1,953
^* Sorrento Therapeutics Inc.	960,156	1,920
* Corium International Inc.	249,501	1,861
* Peregrine Pharmaceuticals Inc.	2,973,857	1,808
^* Fortress Biotech Inc.	373,802	1,776
* Tactile Systems Technology Inc.	61,784	1,766
* Immune Design Corp.	180,503	1,760
^* Arrowhead Pharmaceuticals Inc.	1,045,729	1,694
* SeaSpine Holdings Corp.	145,776	1,679
* Ra Pharmaceuticals Inc.	88,875	1,666
* Nuvectra Corp.	120,962	1,606
* Fluidigm Corp.	396,858	1,603
* Clearside Biomedical Inc.	173,996	1,585
^* Corindus Vascular Robotics Inc.	851,910	1,585
* Recro Pharma Inc.	220,869	1,553
* Kindred Biosciences Inc.	180,249	1,550
* Quorum Health Corp.	373,165	1,549
* Syros Pharmaceuticals Inc.	95,466	1,536
^* Genoea Biosciences Inc.	291,548	1,522
Digirad Corp.	363,958	1,474
* Harvard Bioscience Inc.	576,844	1,471
* Alliance HealthCare Services Inc.	105,556	1,404
^* Adamis Pharmaceuticals Corp.	269,829	1,403
^* Neos Therapeutics Inc.	189,440	1,383
* Corvus Pharmaceuticals Inc.	113,808	1,377
* Selecta Biosciences Inc.	68,466	1,360
^* Matinas BioPharma Holdings Inc.	797,345	1,348
^* Vericel Corp.	408,035	1,347
* Intellia Therapeutics Inc.	83,558	1,337
* Trevena Inc.	569,361	1,310
* IRIDEX Corp.	132,194	1,307
* MEI Pharma Inc.	546,094	1,305
^* VIVUS Inc.	1,058,631	1,292
* Invuity Inc.	173,528	1,258
^* Tocagen Inc.	103,400	1,244
Simulations Plus Inc.	100,110	1,236
* Ardelyx Inc.	233,339	1,190
^* XBiotech Inc.	250,010	1,175
* Protagonist Therapeutics Inc.	102,970	1,165
* Jounce Therapeutics Inc.	82,957	1,164
^* CytoSorbents Corp.	269,196	1,158
* AnaptysBio Inc.	48,157	1,152
* Ophthotech Corp.	441,221	1,130

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	Shares	Market Value (\$000)
* Zafgen Inc.	318,925	1,119
^* InVivo Therapeutics Holdings Corp.	407,298	1,100
* ChromaDex Corp.	286,800	1,096
^* Mirati Therapeutics Inc.	293,851	1,073
^* CytRx Corp.	1,641,367	1,029
* Infinity Pharmaceuticals Inc.	655,158	1,029
^* Cidara Therapeutics Inc.	133,145	999
* Verastem Inc.	456,924	996
* Vital Therapies Inc.	341,948	992
^* BrainStorm Cell Therapeutics Inc.	238,370	992
^* Asterias Biotherapeutics Inc.	275,870	979
* Pfenex Inc.	241,554	969
^* Navidea Biopharmaceuticals Inc.	1,886,080	962
^* CTI BioPharma Corp.	287,577	952
^* AcelRx Pharmaceuticals Inc.	439,943	946
* OncoMed Pharmaceuticals Inc.	283,430	944
* Viveve Medical Inc.	129,354	929
* Endocyte Inc.	615,889	924
^* Fate Therapeutics Inc.	283,843	920
^* Galectin Therapeutics Inc.	367,170	903
^* Rexahn Pharmaceuticals Inc.	313,055	895
* Tabula Rasa HealthCare Inc.	58,284	877
^* TransEnterix Inc.	1,208,287	858
* Proteostasis Therapeutics Inc.	182,517	854
^* Actinium Pharmaceuticals Inc.	696,636	850
^* Agile Therapeutics Inc.	224,558	842
* OvaScience Inc.	534,845	834
* Kura Oncology Inc.	88,297	821
^* T2 Biosystems Inc.	252,352	810
* pSivida Corp.	462,125	790
* Applied Genetic Technologies Corp.	153,684	784
^* Palatin Technologies Inc.	1,806,704	777
^* Cancer Genetics Inc.	195,543	772
^* Senseonics Holdings Inc.	427,246	769
^* Cellular Biomedicine Group Inc.	85,451	748
* Juniper Pharmaceuticals Inc.	146,276	739
^* MannKind Corp.	513,317	724
^* Axsome Therapeutics Inc.	126,538	696
^* VolitionRX Ltd.	195,994	694
^* Synthetic Biologics Inc.	1,226,752	694
* aTyr Pharma Inc.	199,037	687
^* Obalon Therapeutics Inc.	69,002	684
* Voyager Therapeutics Inc.	76,209	683
* Bovie Medical Corp.	274,480	678
^* Alimera Sciences Inc.	487,165	677
^* Neuralstem Inc.	116,245	673
^* iRadimed Corp.	76,545	658
* Icad Inc.	154,617	648
* Dicerna Pharmaceuticals Inc.	201,078	637
^* Lipocine Inc.	156,781	630
* Adverum Biotechnologies Inc.	250,858	627
^* Zosano Pharma Corp.	439,072	619
* AAC Holdings Inc.	89,144	618
* Albireo Pharma Inc.	28,739	592
* ContraFect Corp.	407,300	591
* Cumberland Pharmaceuticals Inc.	83,070	587
^* NanoViricides Inc.	434,769	587
* CryoPort Inc.	114,566	564
^* SCYNEXIS Inc.	311,844	558
* Sharps Compliance Corp.	123,176	521
* vTv Therapeutics Inc. Class A	101,783	506
* Flex Pharma Inc.	130,680	503
^* Regulus Therapeutics Inc.	503,816	497
* Madrigal Pharmaceuticals Inc.	29,913	486

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	Shares	Market Value (\$000)
^ Pernix Therapeutics Holdings Inc.	120,870	486
^* ContraVir Pharmaceuticals Inc.	831,261	482
* Sunesis Pharmaceuticals Inc.	177,016	478
^* Titan Pharmaceuticals Inc.	247,753	471
* Aptevio Therapeutics Inc.	226,875	470
* Biolase Inc.	468,753	455
* ArQule Inc.	349,469	433
^* Dimension Therapeutics Inc.	296,385	430
^* Second Sight Medical Products Inc.	337,963	426
^* Imprimis Pharmaceuticals Inc.	132,405	424
^* Ekso Bionics Holdings Inc.	179,018	415
^* Egalet Corp.	174,644	414
^* IsoRay Inc.	650,506	407
* G1 Therapeutics Inc.	23,100	403
* Electromed Inc.	71,985	398
* Evoke Pharma Inc.	155,182	397
* Sonoma Pharmaceuticals Inc.	58,210	385
* Fibrocell Science Inc.	95,867	384
^* Kadmon Holdings Inc.	98,152	382
* Nivalis Therapeutics Inc.	144,666	349
^* Immune Pharmaceuticals Inc.	110,702	344
^* Eiger BioPharmaceuticals Inc.	43,531	344
* Chembio Diagnostics Inc.	55,638	337
* Cytori Therapeutics Inc.	300,331	330
^* Biocept Inc.	239,275	328
* Threshold Pharmaceuticals Inc.	831,434	327
^* Trovogene Inc.	257,402	324
* Mersana Therapeutics Inc.	23,125	323
^* BioPharmX Corp.	670,954	321
^* Tonix Pharmaceuticals Holding Corp.	74,121	321
* Misonix Inc.	32,465	313
* Aevi Genomic Medicine Inc.	233,803	311
* Spring Bank Pharmaceuticals Inc.	22,654	307
^* Ampio Pharmaceuticals Inc.	586,009	305
^ Pain Therapeutics Inc.	72,357	298
* Ovid therapeutics Inc.	27,750	291
* Altimune Inc.	90,952	291
^* iBio Inc.	749,163	289
^* Ohr Pharmaceutical Inc.	439,700	281
* Five Star Senior Living Inc.	185,963	279
* Tandem Diabetes Care Inc.	347,462	278
* Caladrius Biosciences Inc.	59,539	277
^* Savara Inc.	46,565	274
^* Novan Inc.	67,211	271
* KemPharm Inc.	67,426	270
^* Bio-Path Holdings Inc.	684,076	266
MGC Diagnostics Corp.	30,659	260
* Genesis Healthcare Inc.	147,046	256
^* Delcath Systems Inc.	1,285,563	253
^* GTx Inc.	47,457	251
^* EnteroMedics Inc.	49,698	248
^* Galena Biopharma Inc.	427,396	248
* Athenex Inc.	15,426	247
^* Tenax Therapeutics Inc.	325,595	241
^* Collectar Biosciences Inc.	147,078	240
^* Pulmatrix Inc.	99,318	239
^* OncoSec Medical Inc.	197,690	235
^* CorMedix Inc.	543,684	233
^* Eleven Biotherapeutics Inc.	145,556	229
^* CEL-SCI Corp.	97,959	218
Catalyst Biosciences Inc.	43,591	203
^* Anthera Pharmaceuticals Inc.	121,960	198
^* Alphatec Holdings Inc.	102,092	192
^* Cesca Therapeutics Inc.	60,837	192

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	Shares	Market Value (\$000)
^* Heat Biologics Inc.	310,269	189
* Bioanalytical Systems Inc.	111,396	188
* Tracon Pharmaceuticals Inc.	74,744	179
^* Onconova Therapeutics Inc.	82,487	178
* Aldeyra Therapeutics Inc.	37,850	178
* Vical Inc.	63,485	172
^* Biostage Inc.	415,472	171
^* Moleculin Biotech Inc.	91,461	171
^* Viking Therapeutics Inc.	149,989	162
* Bioptix Inc.	39,392	161
* Gemphire Therapeutics Inc.	12,454	161
^* HTG Molecular Diagnostics Inc.	60,091	160
^* Champions Oncology Inc.	60,632	157
^* Oncocyte Corp.	30,109	157
* Aviragen Therapeutics Inc.	222,449	149
^* Amedica Corp.	392,809	149
^* Skyline Medical Inc.	99,825	147
^* Apricus Biosciences Inc.	128,058	145
^* CombiMatrix Corp.	27,245	144
^* Argos Therapeutics Inc.	396,341	144
* Histogenics Corp.	78,141	141
^* KalVista Pharmaceuticals Inc.	18,720	135
^* XOMA Corp.	19,001	133
* Repros Therapeutics Inc.	288,617	133
^* Bellerophon Therapeutics Inc.	99,062	133
^* Avinger Inc.	289,948	130
^* Proteon Therapeutics Inc.	81,784	127
* AdCare Health Systems Inc.	126,822	122
* Aeglea BioTherapeutics Inc.	31,691	122
^* Cyclacel Pharmaceuticals Inc.	32,007	121
^* Hemispherx Biopharma Inc.	242,563	121
* Dova Pharmaceuticals Inc.	5,408	121
* OncoGenex Pharmaceuticals Inc.	330,518	119
* Vermillion Inc.	63,693	117
* Retractable Technologies Inc.	90,837	116
^* Microbot Medical Inc.	81,131	115
^* BioLife Solutions Inc.	46,312	111
^* AquaBounty Technologies Inc.	13,363	107
* Mirna Therapeutics Inc.	59,953	101
^* EyeGate Pharmaceuticals Inc.	73,949	101
* CAS Medical Systems Inc.	86,382	99
* SunLink Health Systems Inc.	59,252	98
^* NovaBay Pharmaceuticals Inc.	25,142	97
^* Celsion Corp.	46,397	95
* Aradigm Corp.	70,143	95
^* ADMA Biologics Inc.	24,289	93
^* Akers Biosciences Inc.	68,425	89
^* TearLab Corp. Class A	49,452	83
* CASI Pharmaceuticals Inc.	78,907	83
* Chiasma Inc.	56,903	82
^* Wright Medical Group Inc. CVR	52,493	80
^* Medical Transcription Billing Corp.	55,080	78
^* PhaseRx Inc.	74,704	71
^* OpGen Inc.	109,363	70
* Fulgent Genetics Inc.	10,935	70
^* Soligenix Inc.	33,016	69
^* Jaguar Animal Health Inc.	126,068	67
^* Aethlon Medical Inc.	31,051	66
^* Ritter Pharmaceuticals Inc.	118,329	66
^* Novus Therapeutics Inc.	11,188	65
Kewaunee Scientific Corp.	2,595	65
^* Neothetics Inc.	118,254	64
* InfuSystem Holdings Inc.	35,033	63
* Miragen Therapeutics Inc.	4,704	61

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	Shares	Market Value (\$000)
^* Marinus Pharmaceuticals Inc.	43,157	59
^* Interpace Diagnostics Group Inc.	65,011	58
National Research Corp. Class B	1,200	57
^* Ocera Therapeutics Inc.	48,417	56
* Roka Bioscience Inc.	20,286	54
^* ImmunoCellular Therapeutics Ltd.	61,518	54
Daxor Corp.	8,705	53
^* Opexa Therapeutics Inc.	78,388	51
* Connecture Inc.	73,409	45
^* Dexter Surgical Inc.	150,852	45
* Strata Skin Sciences Inc.	18,012	44
^* Alliqua BioMedical Inc.	111,906	41
* Cogentix Medical Inc.	23,783	41
* ProPhase Labs Inc.	19,457	41
^* Cerulean Pharma Inc.	91,065	40
^* Atossa Genetics Inc. Class A	75,892	39
^* Xtant Medical Holdings Inc.	58,150	39
^* PhotoMedex Inc.	31,616	37
^* CHF Solutions Inc.	34,619	36
* Presbia plc	15,595	36
* Orogenics Inc.	94,204	35
* Aileron Therapeutics Inc.	3,124	35
* ARCA biopharma Inc.	14,067	34
^* Cerecor Inc.	52,361	30
* Soleno Therapeutics Inc.	58,014	30
* Pro-Dex Inc.	4,785	29
^* Orexigen Therapeutics Inc.	9,351	27
^* DarioHealth Corp.	10,999	24
^* Medovex Corp.	26,905	24
^* Capricor Therapeutics Inc.	27,897	23
* American Shared Hospital Services	5,676	22
* Ligand Pharmaceuticals Glucagon Inc. Rights	395,811	22
* Catabasis Pharmaceuticals Inc.	10,800	15
^* Asterias Biotherapeutics Inc. Warrants Exp. 09/29/2017	28,992	14
^* TapImmune Inc.	3,006	12
Allied Healthcare Products Inc.	3,960	11
^* RXi Pharmaceuticals Corp.	17,974	11
Diversicare Healthcare Services Inc.	953	9
^* Apollo Endosurgery Inc.	1,022	8
^* MabVax Therapeutics Holdings Inc.	5,553	8
* AmpliPhi Biosciences Corp.	7,829	6
^* InspireMD Inc.	9,106	6
* CareDx Inc.	4,683	5
* VistaGen Therapeutics Inc.	2,472	5
* Micron Solutions Inc.	1,175	5
^* Oncobiologics Inc.	3,992	4
* Ligand Pharmaceuticals Beta Inc. Rights	395,811	4
* Joint Corp.	900	3
* Ligand Pharmaceuticals General Inc. Rights	395,811	2
* Ligand Pharmaceuticals Roche Inc. Rights	395,811	2
* Inotek Pharmaceuticals Corp.	100	—
		6,599,927
Industrials (13.2%)		
IDEX Corp.	965,051	109,060
Huntington Ingalls Industries Inc.	581,351	108,224
AO Smith Corp.	1,855,495	104,520
Wabtec Corp.	1,088,172	99,568
* JetBlue Airways Corp.	4,202,710	95,948
Owens Corning	1,410,377	94,382
ManpowerGroup Inc.	842,263	94,039
* Sensata Technologies Holding NV	2,161,983	92,360
Toro Co.	1,323,898	91,733
* Middleby Corp.	727,476	88,396
Lennox International Inc.	475,907	87,396

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	Shares	Market Value (\$000)
Spirit AeroSystems Holdings Inc. Class A	1,508,126	87,381
Old Dominion Freight Line Inc.	867,499	82,621
Nordson Corp.	677,182	82,156
* Copart Inc.	2,574,579	81,846
* WABCO Holdings Inc.	638,438	81,407
Carlisle Cos. Inc.	816,956	77,938
* HD Supply Holdings Inc.	2,538,564	77,756
Graco Inc.	699,642	76,457
Donaldson Co. Inc.	1,678,680	76,447
Macquarie Infrastructure Corp.	953,534	74,757
Hubbell Inc. Class B	649,082	73,457
KAR Auction Services Inc.	1,736,863	72,896
Orbital ATK Inc.	731,698	71,970
Lincoln Electric Holdings Inc.	777,939	71,640
Allison Transmission Holdings Inc.	1,909,135	71,612
* TransUnion	1,560,506	67,585
* XPO Logistics Inc.	1,025,711	66,292
Oshkosh Corp.	935,116	64,411
* AECOM	1,962,313	63,442
BWX Technologies Inc.	1,254,931	61,178
Watsco Inc.	380,097	58,611
Hexcel Corp.	1,108,094	58,496
* Teledyne Technologies Inc.	445,549	56,874
AGCO Corp.	837,912	56,467
Trinity Industries Inc.	1,919,188	53,795
* Genesee & Wyoming Inc. Class A	772,818	52,853
Curtiss-Wright Corp.	562,476	51,624
Crane Co.	639,138	50,735
Dun & Bradstreet Corp.	463,729	50,152
Rollins Inc.	1,220,756	49,697
EMCOR Group Inc.	757,781	49,544
* Colfax Corp.	1,242,316	48,910
MSC Industrial Direct Co. Inc. Class A	567,722	48,801
Ryder System Inc.	670,922	48,293
Woodward Inc.	701,210	47,388
Regal Beloit Corp.	568,352	46,349
Terex Corp.	1,226,029	45,976
* Spirit Airlines Inc.	882,440	45,578
* Kirby Corp.	680,337	45,481
Air Lease Corp. Class A	1,206,916	45,090
Landstar System Inc.	525,645	44,995
ITT Inc.	1,111,673	44,667
Healthcare Services Group Inc.	930,845	43,591
Valmont Industries Inc.	286,645	42,882
Deluxe Corp.	606,337	41,971
Timken Co.	876,145	40,522
EnerSys	548,626	39,748
John Bean Technologies Corp.	400,622	39,261
Brink's Co.	570,485	38,222
* Univar Inc.	1,290,831	37,692
Kennametal Inc.	1,007,016	37,683
* MasTec Inc.	833,336	37,625
* Beacon Roofing Supply Inc.	761,554	37,316
Barnes Group Inc.	636,450	37,251
* Clean Harbors Inc.	659,932	36,844
* Esterline Technologies Corp.	377,583	35,795
Pitney Bowes Inc.	2,358,004	35,606
* Dycom Industries Inc.	394,803	35,343
HEICO Corp. Class A	560,417	34,774
* WageWorks Inc.	499,033	33,535
* Welbilt Inc.	1,767,221	33,312
* On Assignment Inc.	614,401	33,270
Tetra Tech Inc.	726,123	33,220
* USG Corp.	1,141,987	33,140

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	Shares	Market Value (\$000)
* KLX Inc.	661,226	33,061
MSA Safety Inc.	395,330	32,089
* Hawaiian Holdings Inc.	682,034	32,021
GATX Corp.	497,466	31,972
Knight Transportation Inc.	838,750	31,076
* RBC Bearings Inc.	304,287	30,964
* WESCO International Inc.	525,912	30,135
* Rexnord Corp.	1,296,024	30,133
* Moog Inc. Class A	410,974	29,475
ABM Industries Inc.	709,494	29,458
Hillenbrand Inc.	812,534	29,332
Applied Industrial Technologies Inc.	496,625	29,326
* Avis Budget Group Inc.	1,066,891	29,094
* Generac Holdings Inc.	801,810	28,969
* Masonite International Corp.	382,598	28,886
UniFirst Corp.	199,841	28,118
* Swift Transportation Co.	1,051,464	27,864
KBR Inc.	1,800,149	27,398
* Armstrong World Industries Inc.	589,434	27,114
* DigitalGlobe Inc.	790,508	26,324
* Advisory Board Co.	510,703	26,301
* Mercury Systems Inc.	606,053	25,509
Matthews International Corp. Class A	416,039	25,482
* Trex Co. Inc.	372,524	25,205
AMERCO	68,723	25,157
^ Chicago Bridge & Iron Co. NV	1,270,073	25,059
Korn/Ferry International	721,757	24,922
HEICO Corp.	345,178	24,798
Granite Construction Inc.	497,577	24,003
Mueller Water Products Inc. Class A	2,051,532	23,962
Herman Miller Inc.	768,738	23,370
SkyWest Inc.	659,768	23,158
Allegiant Travel Co. Class A	168,489	22,847
Universal Forest Products Inc.	258,636	22,581
Simpson Manufacturing Co. Inc.	516,102	22,559
Mueller Industries Inc.	739,767	22,526
HNI Corp.	561,926	22,404
^ Covanta Holding Corp.	1,669,535	22,038
* NOW Inc.	1,356,391	21,811
Watts Water Technologies Inc. Class A	344,538	21,775
* Navistar International Corp.	818,755	21,476
* SiteOne Landscape Supply Inc.	406,496	21,162
Forward Air Corp.	393,072	20,943
* Proto Labs Inc.	310,624	20,889
Brady Corp. Class A	608,634	20,633
Apogee Enterprises Inc.	362,894	20,627
Franklin Electric Co. Inc.	496,530	20,556
* SPX FLOW Inc.	542,943	20,024
ESCO Technologies Inc.	334,743	19,967
Albany International Corp.	373,107	19,924
* Aerojet Rocketdyne Holdings Inc.	956,149	19,888
* MRC Global Inc.	1,198,505	19,799
Triumph Group Inc.	625,296	19,759
EnPro Industries Inc.	274,273	19,575
Exponent Inc.	332,623	19,392
AAON Inc.	505,177	18,616
AZZ Inc.	332,621	18,560
* Builders FirstSource Inc.	1,209,259	18,526
* FTI Consulting Inc.	529,909	18,526
Actuant Corp. Class A	751,225	18,480
* Meritor Inc.	1,107,264	18,392
Comfort Systems USA Inc.	480,374	17,822
Kaman Corp.	344,569	17,184
Mobile Mini Inc.	569,725	17,006

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	Shares	Market Value (\$000)
* American Woodmark Corp.	177,590	16,969
Tennant Co.	229,200	16,915
Insperty Inc.	236,919	16,821
^.* Axon Enterprise Inc.	668,476	16,805
Wabash National Corp.	760,309	16,712
* Atlas Air Worldwide Holdings Inc.	319,535	16,664
Werner Enterprises Inc.	567,707	16,662
Greenbrier Cos. Inc.	358,234	16,568
* Saia Inc.	319,724	16,402
* BMC Stock Holdings Inc.	747,537	16,334
Matson Inc.	543,624	16,330
* Hub Group Inc. Class A	424,108	16,265
* Harsco Corp.	1,005,104	16,182
* ACCO Brands Corp.	1,374,368	16,011
Aircastle Ltd.	718,090	15,618
* JELD-WEN Holding Inc.	478,615	15,536
Steelcase Inc. Class A	1,105,020	15,470
Raven Industries Inc.	460,261	15,327
Interface Inc. Class A	774,099	15,211
* Rush Enterprises Inc. Class A	405,888	15,091
* Air Transport Services Group Inc.	690,086	15,030
Altra Industrial Motion Corp.	373,030	14,847
Standex International Corp.	162,971	14,781
* Patrick Industries Inc.	201,921	14,710
* TriNet Group Inc.	447,882	14,664
Cubic Corp.	315,499	14,608
* Gibraltar Industries Inc.	403,619	14,389
AAR Corp.	409,741	14,243
US Ecology Inc.	281,838	14,233
* Tutor Perini Corp.	494,508	14,217
* TrueBlue Inc.	535,874	14,201
West Corp.	604,280	14,092
Sun Hydraulics Corp.	328,678	14,025
Multi-Color Corp.	171,248	13,974
Triton International Ltd.	414,219	13,851
Federal Signal Corp.	793,472	13,775
Astec Industries Inc.	246,171	13,665
Briggs & Stratton Corp.	565,207	13,621
* SPX Corp.	535,511	13,473
* Chart Industries Inc.	386,587	13,426
Primoris Services Corp.	527,351	13,152
Knoll Inc.	624,479	12,521
Viad Corp.	263,640	12,457
CIRCOR International Inc.	209,716	12,453
* Herc Holdings Inc.	311,318	12,241
Lindsay Corp.	136,964	12,224
* TriMas Corp.	585,123	12,200
* Continental Building Products Inc.	521,711	12,156
* Huron Consulting Group Inc.	279,591	12,078
* Navigant Consulting Inc.	602,694	11,909
* Gardner Denver Holdings Inc.	546,222	11,804
* ICF International Inc.	246,421	11,606
Encore Wire Corp.	270,109	11,534
Heartland Express Inc.	551,861	11,490
* Lydall Inc.	220,259	11,387
Alamo Group Inc.	124,553	11,311
RR Donnelley & Sons Co.	884,537	11,092
* Advanced Disposal Services Inc.	481,870	10,953
McGrath RentCorp	310,731	10,761
Kadant Inc.	142,667	10,729
* Kratos Defense & Security Solutions Inc.	903,640	10,726
^.* Hertz Global Holdings Inc.	930,862	10,705
* CBIZ Inc.	713,394	10,701
* Manitowoc Co. Inc.	1,769,065	10,632

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	Shares	Market Value (\$000)
* Aerovironment Inc.	272,444	10,407
General Cable Corp.	626,377	10,241
Argan Inc.	170,062	10,204
* GMS Inc.	356,334	10,013
* Aegion Corp. Class A	445,041	9,737
* Milacron Holdings Corp.	540,785	9,512
Douglas Dynamics Inc.	288,682	9,498
NN Inc.	343,315	9,424
Advanced Drainage Systems Inc.	468,214	9,411
Quanex Building Products Corp.	442,014	9,349
LSC Communications Inc.	426,408	9,125
Kelly Services Inc. Class A	401,681	9,018
* RPX Corp.	645,975	9,011
* Team Inc.	378,057	8,865
Griffon Corp.	400,141	8,783
Hyster-Yale Materials Handling Inc.	123,718	8,691
Quad/Graphics Inc.	378,573	8,677
Marten Transport Ltd.	310,331	8,503
* Casella Waste Systems Inc. Class A	517,396	8,490
Global Brass & Copper Holdings Inc.	276,971	8,461
* Thermon Group Holdings Inc.	435,312	8,345
Schneider National Inc. Class B	372,759	8,339
* NCI Building Systems Inc.	494,674	8,261
* PGT Innovations Inc.	645,331	8,260
* Wesco Aircraft Holdings Inc.	760,327	8,250
H&E Equipment Services Inc.	399,834	8,161
Kimball International Inc. Class B	485,981	8,111
* CSW Industrials Inc.	207,061	8,003
^,* Plug Power Inc.	3,875,135	7,905
* Babcock & Wilcox Enterprises Inc.	630,031	7,409
Titan International Inc.	614,858	7,384
Insteel Industries Inc.	219,907	7,250
Essendant Inc.	477,655	7,084
* Echo Global Logistics Inc.	354,409	7,053
Columbus McKinnon Corp.	269,603	6,853
Ennis Inc.	357,900	6,836
* Nexeo Solutions Inc.	813,806	6,755
* DXP Enterprises Inc.	195,162	6,733
* Astronics Corp.	215,163	6,556
* MYR Group Inc.	211,067	6,547
* Veritiv Corp.	144,877	6,519
* SP Plus Corp.	209,960	6,414
* Engility Holdings Inc.	225,715	6,410
Kforce Inc.	321,752	6,306
* InnerWorkings Inc.	540,559	6,270
ArcBest Corp.	301,807	6,217
* Armstrong Flooring Inc.	341,704	6,140
Gorman-Rupp Co.	235,324	5,994
* Atkore International Group Inc.	262,648	5,923
Resources Connection Inc.	424,642	5,818
^,* Sunrun Inc.	806,629	5,743
* GP Strategies Corp.	216,728	5,722
National Presto Industries Inc.	51,571	5,699
* Ply Gem Holdings Inc.	301,834	5,418
Heidrick & Struggles International Inc.	246,872	5,369
* KeyW Holding Corp.	571,868	5,347
Barrett Business Services Inc.	91,481	5,241
* Mistras Group Inc.	230,892	5,073
VSE Corp.	108,176	4,866
CRA International Inc.	129,114	4,689
* CAI International Inc.	198,447	4,683
REV Group Inc.	167,452	4,635
* YRC Worldwide Inc.	412,996	4,592
* Vectrus Inc.	139,953	4,523

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	Shares	Market Value (\$000)
Park-Ohio Holdings Corp.	116,581	4,442
* NV5 Global Inc.	104,511	4,442
* Vicor Corp.	246,961	4,421
* Titan Machinery Inc.	242,711	4,364
* Ducommun Inc.	136,225	4,302
Spartan Motors Inc.	444,499	3,934
* Hudson Technologies Inc.	458,629	3,875
American Railcar Industries Inc.	100,178	3,837
Powell Industries Inc.	118,820	3,801
^,* Energous Corp.	232,838	3,786
Omega Flex Inc.	57,199	3,684
Miller Industries Inc.	143,703	3,571
* Great Lakes Dredge & Dock Corp.	811,736	3,490
* Franklin Covey Co.	175,550	3,388
^,* Energy Recovery Inc.	405,099	3,358
* Sterling Construction Co. Inc.	253,582	3,314
CECO Environmental Corp.	347,348	3,189
* TPI Composites Inc.	170,181	3,145
LSI Industries Inc.	336,117	3,042
* Heritage-Crystal Clean Inc.	187,017	2,974
FreightCar America Inc.	169,155	2,942
* Commercial Vehicle Group Inc.	346,675	2,929
LB Foster Co. Class A	135,050	2,897
* HC2 Holdings Inc.	487,826	2,868
* Orion Group Holdings Inc.	376,410	2,812
* Roadrunner Transportation Systems Inc.	386,136	2,807
^,* Daseke Inc.	251,400	2,798
* Willdan Group Inc.	90,619	2,768
* Sparton Corp.	125,774	2,766
^,* Vivint Solar Inc.	470,628	2,753
* Hill International Inc.	525,618	2,733
* Acacia Research Corp.	664,432	2,724
* Covenant Transportation Group Inc. Class A	155,044	2,718
Allied Motion Technologies Inc.	98,447	2,680
Eastern Co.	87,419	2,627
^,* Cogint Inc.	502,756	2,539
DMC Global Inc.	192,629	2,523
Graham Corp.	127,706	2,511
* Layne Christensen Co.	282,323	2,482
Hurco Cos. Inc.	70,580	2,453
* Radiant Logistics Inc.	439,709	2,366
Supreme Industries Inc. Class A	143,609	2,362
* ARC Document Solutions Inc.	564,946	2,350
* Northwest Pipe Co.	144,381	2,348
* Foundation Building Materials Inc.	178,718	2,298
* Blue Bird Corp.	130,637	2,221
^,* Aqua Metals Inc.	176,482	2,215
* Neff Corp. Class A	114,098	2,168
* Astronics Corp. Class B	64,296	1,966
* Willis Lease Finance Corp.	73,192	1,956
* Ameresco Inc. Class A	251,053	1,933
* IES Holdings Inc.	105,261	1,910
* Gencor Industries Inc.	115,798	1,876
* Twin Disc Inc.	113,855	1,838
BG Staffing Inc.	100,647	1,749
* Huttig Building Products Inc.	248,946	1,745
* Lawson Products Inc.	77,219	1,710
Hardinge Inc.	129,607	1,610
* Goldfield Corp.	291,494	1,603
* Rush Enterprises Inc. Class B	42,702	1,555
* Pendrell Corp.	198,639	1,436
Universal Logistics Holdings Inc.	92,627	1,389
* Manitex International Inc.	192,911	1,346
Preformed Line Products Co.	27,933	1,297

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	Shares	Market Value (\$000)
* CPI Aerostructures Inc.	133,191	1,252
Houston Wire & Cable Co.	231,164	1,214
^* ExOne Co.	104,693	1,199
* Tecogen Inc.	352,617	1,174
* Xerium Technologies Inc.	161,627	1,162
^ Celadon Group Inc.	354,294	1,116
* USA Truck Inc.	125,391	1,086
* NL Industries Inc.	147,400	1,039
^* Arotech Corp.	288,345	1,024
* CDI Corp.	171,130	1,001
^* Genco Shipping & Trading Ltd.	98,574	933
* Broadwind Energy Inc.	183,513	925
* American Superconductor Corp.	181,820	840
^* FuelCell Energy Inc.	601,727	746
* Ultralife Corp.	100,419	723
^ EnviroStar Inc.	26,489	717
^* Revolution Lighting Technologies Inc.	107,525	709
* Performant Financial Corp.	338,179	707
^* Cenvo Inc.	107,588	655
* BlueLinx Holdings Inc.	56,749	619
^* Enphase Energy Inc.	705,488	610
* Key Technology Inc.	40,719	560
Ecology and Environment Inc.	42,341	536
* Innovative Solutions & Support Inc.	121,104	533
* Alpha Pro Tech Ltd.	166,676	492
^* Sunworks Inc.	239,690	419
LS Starrett Co. Class A	45,092	388
* Taylor Devices Inc.	27,595	369
* Perma-Pipe International Holdings Inc.	43,847	351
* Volt Information Sciences Inc.	88,706	350
* Intersections Inc.	70,091	329
* Transcat Inc.	26,809	326
^* Energy Focus Inc.	123,446	325
^* Capstone Turbine Corp.	472,887	322
^* Odyssey Marine Exploration Inc.	84,269	304
* RCM Technologies Inc.	59,789	302
Acme United Corp.	10,407	298
* Astrotech Corp.	304,120	292
* Jewett-Cameron Trading Co. Ltd.	23,964	286
^* Orion Energy Systems Inc.	212,156	272
* PAM Transportation Services Inc.	13,875	263
* Hudson Global Inc.	195,121	261
^ Centrex Inc.	72,441	261
* Patriot Transportation Holding Inc.	13,986	250
* Perma-Fix Environmental Services	63,349	234
* SIFCO Industries Inc.	33,067	220
* Mastech Digital Inc.	30,023	195
Servotronics Inc.	19,902	187
* General Finance Corp.	34,359	177
^* EnSync Inc.	389,315	144
^* Lightbridge Corp.	82,940	143
^* Ocean Power Technologies Inc.	98,378	136
* Air T Inc.	6,332	134
^* Real Goods Solar Inc. Class A	123,315	120
* Pioneer Power Solutions Inc.	17,581	118
* Fuel Tech Inc.	137,113	115
* DLH Holdings Corp.	20,751	112
Chicago Rivet & Machine Co.	2,905	106
* Versar Inc.	69,664	102
* Polar Power Inc.	18,294	97
* Rand Logistics Inc.	197,006	77
* American Electric Technologies Inc.	40,760	73
* Industrial Services of America Inc.	45,354	68
^* Marathon Patent Group Inc.	158,984	60

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	Shares	Market Value (\$000)
* Jason Industries Inc.	38,845	50
* Pangaea Logistics Solutions Ltd.	16,910	48
^* GEE Group Inc.	8,829	46
^* Digital Power Corp.	38,956	28
^* Ideal Power Inc.	13,312	28
^* AMREP Corp.	3,818	26
^* Staffing 360 Solutions Inc.	36,361	26
* Continental Materials Corp.	1,122	21
* Art's-Way Manufacturing Co. Inc.	4,243	13
Espey Manufacturing & Electronics Corp.	566	13
* Tel-Instrument Electronics Corp.	3,304	11
CompX International Inc.	679	10
* Micronet Enertec Technologies Inc.	3,100	3
* LiqTech International Inc.	8,949	3
* WSI Industries Inc.	805	3
* Quest Resource Holding Corp.	978	2
^* Air Industries Group	1,199	2
* ARC Group Worldwide Inc.	684	2
^* Spherix Inc.	725	2
^* root9B Holdings Inc.	200	2
* Limbach Holdings Inc.	100	1
* Command Security Corp.	200	1
* CTPartners Executive Search Inc.	83,162	—
		7,563,957

Information Technology (16.9%)

* ServiceNow Inc.	2,135,617	226,375
* FleetCor Technologies Inc.	1,164,151	167,882
* Workday Inc. Class A	1,653,824	160,421
Maxim Integrated Products Inc.	3,568,905	160,244
* Palo Alto Networks Inc.	1,161,714	155,449
* Twitter Inc.	7,767,020	138,797
* Vantiv Inc. Class A	2,044,243	129,482
CDW Corp.	1,976,214	123,573
* Cadence Design Systems Inc.	3,526,886	118,115
* Trimble Inc.	3,200,707	114,169
CDK Global Inc.	1,825,648	113,300
Broadridge Financial Solutions Inc.	1,475,199	111,466
* CoStar Group Inc.	414,261	109,199
* Dell Technologies Inc. Class V	1,699,138	103,834
Jack Henry & Associates Inc.	975,065	101,280
* Splunk Inc.	1,741,662	99,083
* Take-Two Interactive Software Inc.	1,305,814	95,821
* IAC/InterActiveCorp	916,781	94,648
Leidos Holdings Inc.	1,803,526	93,224
Cognex Corp.	1,093,395	92,829
* CommScope Holding Co. Inc.	2,431,199	92,458
Marvell Technology Group Ltd.	5,487,707	90,657
* Keysight Technologies Inc.	2,324,615	90,497
* Arrow Electronics Inc.	1,123,071	88,071
SS&C Technologies Holdings Inc.	2,157,177	82,857
* Arista Networks Inc.	537,977	80,584
* PTC Inc.	1,455,213	80,211
* Ultimate Software Group Inc.	376,306	79,047
^* VMware Inc. Class A	875,658	76,559
Teradyne Inc.	2,521,134	75,710
* Tyler Technologies Inc.	425,711	74,785
* ON Semiconductor Corp.	5,299,961	74,411
* Fortinet Inc.	1,884,468	70,554
* Coherent Inc.	311,122	69,999
LogMeIn Inc.	666,961	69,697
* IPG Photonics Corp.	474,775	68,890
* Microsemi Corp.	1,455,726	68,128
Jabil Inc.	2,308,313	67,380
* Zebra Technologies Corp.	668,124	67,160

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	Shares	Market Value (\$000)
* ARRIS International plc	2,369,654	66,398
* Zillow Group Inc.	1,343,798	65,860
* Guidewire Software Inc.	932,359	64,062
Brocade Communications Systems Inc.	5,073,669	63,979
* NCR Corp.	1,526,913	62,359
Universal Display Corp.	564,131	61,631
Avnet Inc.	1,570,605	61,065
Booz Allen Hamilton Holding Corp. Class A	1,861,365	60,569
* Euronet Worldwide Inc.	660,780	57,732
Cypress Semiconductor Corp.	4,160,765	56,794
Sabre Corp.	2,598,508	56,570
* Nuance Communications Inc.	3,209,048	55,870
National Instruments Corp.	1,354,210	54,466
Fair Isaac Corp.	389,138	54,250
* Cavium Inc.	855,642	53,161
j2 Global Inc.	608,717	51,796
Blackbaud Inc.	600,693	51,509
MAXIMUS Inc.	819,044	51,297
* Aspen Technology Inc.	925,647	51,151
* Cirrus Logic Inc.	815,155	51,127
* WEX Inc.	487,570	50,839
* Teradata Corp.	1,645,114	48,514
* EPAM Systems Inc.	572,470	48,139
* Proofpoint Inc.	550,671	47,815
DST Systems Inc.	773,414	47,720
^* GrubHub Inc.	1,091,206	47,577
Littelfuse Inc.	287,664	47,465
* Ellie Mae Inc.	429,771	47,236
* CoreLogic Inc.	1,083,499	47,002
Monolithic Power Systems Inc.	482,943	46,556
* Tableau Software Inc. Class A	754,992	46,258
Genpact Ltd.	1,661,627	46,243
MKS Instruments Inc.	679,999	45,764
* First Data Corp. Class A	2,483,218	45,195
Versum Materials Inc.	1,382,961	44,946
* Ciena Corp.	1,780,453	44,547
SYNNEX Corp.	369,907	44,374
* Tech Data Corp.	436,312	44,068
* ViaSat Inc.	657,325	43,515
* Integrated Device Technology Inc.	1,683,531	43,418
* Manhattan Associates Inc.	878,232	42,208
* Lumentum Holdings Inc.	703,768	40,150
* NetScout Systems Inc.	1,162,989	40,007
Belden Inc.	528,605	39,873
* First Solar Inc.	988,819	39,434
* Entegris Inc.	1,785,818	39,199
* CACI International Inc. Class A	310,198	38,790
Science Applications International Corp.	555,121	38,536
* Silicon Laboratories Inc.	535,797	36,622
* Finisar Corp.	1,405,500	36,515
* EchoStar Corp. Class A	600,997	36,481
* Sanmina Corp.	956,387	36,438
Dolby Laboratories Inc. Class A	740,201	36,240
* Conduent Inc.	2,234,246	35,614
* Zynga Inc. Class A	9,674,863	35,216
* Paycom Software Inc.	502,338	34,365
InterDigital Inc.	434,169	33,561
* ACI Worldwide Inc.	1,493,412	33,408
* Verint Systems Inc.	799,447	32,537
* Advanced Energy Industries Inc.	498,358	32,239
* Blackhawk Network Holdings Inc.	709,478	30,933
* Stamps.com Inc.	199,117	30,838
^* FireEye Inc.	2,017,196	30,682
* Viavi Solutions Inc.	2,900,881	30,546

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	Shares	Market Value (\$000)
* Cree Inc.	1,233,878	30,415
* CommVault Systems Inc.	533,175	30,098
* Semtech Corp.	838,184	29,965
* Zillow Group Inc. Class A	600,391	29,323
* RingCentral Inc. Class A	799,281	29,214
* Itron Inc.	429,784	29,118
TiVo Corp.	1,546,546	28,843
Convergys Corp.	1,208,378	28,735
* Anixter International Inc.	361,726	28,287
* WebMD Health Corp.	478,695	28,075
Vishay Intertechnology Inc.	1,688,773	28,034
* Electronics For Imaging Inc.	589,349	27,923
Power Integrations Inc.	380,120	27,711
* Zendesk Inc.	992,756	27,579
^* Pandora Media Inc.	3,031,349	27,040
Pegasystems Inc.	457,407	26,690
Diebold Nixdorf Inc.	950,488	26,614
* GoDaddy Inc. Class A	625,337	26,527
* HubSpot Inc.	395,711	26,018
* Acxiom Corp.	993,886	25,821
^* 3D Systems Corp.	1,365,576	25,536
* VeriFone Systems Inc.	1,405,845	25,446
* RealPage Inc.	703,173	25,279
* Rogers Corp.	229,933	24,975
* MACOM Technology Solutions Holdings Inc.	443,945	24,759
^* 2U Inc.	525,792	24,670
* ExlService Holdings Inc.	433,343	24,085
^* Cars.com Inc.	903,172	24,051
* II-VI Inc.	694,289	23,814
* Yelp Inc. Class A	778,539	23,372
Cabot Microelectronics Corp.	315,274	23,277
* MicroStrategy Inc. Class A	121,009	23,194
* Cornerstone OnDemand Inc.	641,382	22,929
* NeuStar Inc. Class A	685,108	22,848
* Plexus Corp.	431,822	22,701
^* Synaptics Inc.	429,807	22,225
Plantronics Inc.	422,960	22,125
* Envestnet Inc.	551,700	21,847
Travelport Worldwide Ltd.	1,574,422	21,664
* Benchmark Electronics Inc.	640,559	20,690
* Fabrinet	470,185	20,058
* Infinera Corp.	1,858,568	19,831
* Callidus Software Inc.	813,422	19,685
Methode Electronics Inc.	466,795	19,232
Brooks Automation Inc.	885,633	19,209
* Knowles Corp.	1,128,927	19,101
Progress Software Corp.	616,141	19,033
* Cardtronics plc Class A	578,001	18,993
Xperi Corp.	630,333	18,784
* TTM Technologies Inc.	1,068,216	18,544
* MaxLinear Inc.	662,223	18,469
* Insight Enterprises Inc.	450,542	18,017
* NETGEAR Inc.	417,074	17,976
* Imperva Inc.	366,427	17,534
* TrueCar Inc.	876,271	17,464
* New Relic Inc.	405,990	17,462
* OSI Systems Inc.	232,302	17,457
* Kulicke & Soffa Industries Inc.	907,848	17,267
* Sykes Enterprises Inc.	512,765	17,193
CSG Systems International Inc.	422,882	17,161
* 8x8 Inc.	1,168,927	17,008
* Veeco Instruments Inc.	606,119	16,880
^* Ubiquiti Networks Inc.	321,658	16,717
* BroadSoft Inc.	387,728	16,692

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	Shares	Market Value (\$000)
* Web.com Group Inc.	654,908	16,569
* Box Inc.	908,361	16,569
* Inphi Corp.	479,013	16,430
* Rambus Inc.	1,429,309	16,337
* Amkor Technology Inc.	1,617,195	15,800
* Qualys Inc.	378,914	15,460
NIC Inc.	810,152	15,352
* Gigamon Inc.	387,675	15,255
Badger Meter Inc.	379,715	15,132
* Pure Storage Inc. Class A	1,181,194	15,131
Ebix Inc.	277,776	14,972
^* Oclaro Inc.	1,598,312	14,928
* Novanta Inc.	408,234	14,696
^* Black Knight Financial Services Inc. Class A	354,231	14,506
* SPS Commerce Inc.	222,471	14,185
* Paylocity Holding Corp.	310,879	14,046
^* Applied Optoelectronics Inc.	222,779	13,766
EVERTEC Inc.	787,071	13,616
ManTech International Corp. Class A	328,104	13,577
* ScanSource Inc.	326,075	13,141
ADTRAN Inc.	626,690	12,941
* Q2 Holdings Inc.	349,365	12,909
* CEVA Inc.	280,686	12,757
* Extreme Networks Inc.	1,376,885	12,695
* ePlus Inc.	170,904	12,664
* Diodes Inc.	498,626	11,982
* Super Micro Computer Inc.	474,240	11,690
* FormFactor Inc.	917,557	11,378
* Bottomline Technologies de Inc.	438,540	11,266
MTS Systems Corp.	214,529	11,113
* Coupa Software Inc.	381,722	11,062
^* Match Group Inc.	631,902	10,982
* Lattice Semiconductor Corp.	1,638,686	10,914
* Trade Desk Inc. Class A	217,610	10,904
* Five9 Inc.	506,532	10,901
^* Shutterstock Inc.	243,814	10,747
* GTT Communications Inc.	333,859	10,567
* Blucora Inc.	497,370	10,544
* Quotient Technology Inc.	902,953	10,384
* Virtusa Corp.	351,965	10,348
^* Fitbit Inc. Class A	1,886,033	10,015
* MINDBODY Inc. Class A	366,791	9,977
Monotype Imaging Holdings Inc.	544,533	9,965
* Rudolph Technologies Inc.	424,063	9,690
* Cray Inc.	526,245	9,683
CTS Corp.	441,056	9,527
* CalAmp Corp.	467,659	9,508
* PROS Holdings Inc.	341,786	9,362
^* Twilio Inc. Class A	316,148	9,203
* Synchronoss Technologies Inc.	545,149	8,968
* Perficient Inc.	478,707	8,923
AVX Corp.	512,849	8,380
* Barracuda Networks Inc.	361,079	8,326
^* Gogo Inc.	716,352	8,260
* Photronics Inc.	874,306	8,218
* Nanometrics Inc.	324,897	8,217
* Unisys Corp.	635,493	8,134
* Varonis Systems Inc.	217,431	8,088
* FARO Technologies Inc.	213,932	8,087
* Square Inc.	338,727	7,947
* Ultra Clean Holdings Inc.	423,221	7,935
* Axcelis Technologies Inc.	376,608	7,890
* Bankrate Inc.	609,913	7,837
TeleTech Holdings Inc.	191,310	7,805

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	Shares	Market Value (\$000)
* LivePerson Inc.	709,510	7,805
* Cass Information Systems Inc.	118,185	7,758
* SolarEdge Technologies Inc.	366,789	7,336
^* Acacia Communications Inc.	175,629	7,283
* Hortonworks Inc.	555,348	7,153
* Endurance International Group Holdings Inc.	846,462	7,068
* Xcerra Corp.	703,418	6,872
^* SunPower Corp. Class A	734,276	6,858
* KEMET Corp.	534,272	6,839
^* Benefitfocus Inc.	186,452	6,778
* Kimball Electronics Inc.	371,315	6,702
* Alarm.com Holdings Inc.	174,114	6,552
* Blackline Inc.	182,431	6,520
* Mesa Laboratories Inc.	44,750	6,413
* MoneyGram International Inc.	362,553	6,254
* Syntel Inc.	362,504	6,148
* Silver Spring Networks Inc.	544,862	6,146
* Everi Holdings Inc.	842,978	6,137
* XO Group Inc.	345,464	6,087
^* Angie's List Inc.	471,759	6,034
* Comtech Telecommunications Corp.	311,052	5,901
^* Digimarc Corp.	145,768	5,853
* PDF Solutions Inc.	353,294	5,812
* CommerceHub Inc.	328,080	5,722
* VASCO Data Security International Inc.	394,452	5,660
^* Harmonic Inc.	1,047,607	5,500
* Workiva Inc.	287,822	5,483
* Forrester Research Inc.	139,050	5,444
* Daktronics Inc.	562,892	5,421
* ShoreTel Inc.	921,498	5,345
* Cohu Inc.	338,274	5,324
^* Impinj Inc.	108,314	5,269
^* Nutanix Inc.	261,047	5,260
* NVE Corp.	67,071	5,164
* IXYS Corp.	311,883	5,130
* Appfolio Inc.	157,159	5,123
* Everbridge Inc.	210,241	5,121
* Bazaarvoice Inc.	1,027,697	5,087
* Park Electrochemical Corp.	275,562	5,076
* A10 Networks Inc.	596,737	5,036
* Carbonite Inc.	230,813	5,032
* Sonus Networks Inc.	663,441	4,936
* Hackett Group Inc.	316,371	4,904
* Actua Corp.	338,593	4,757
* PC Connection Inc.	170,470	4,613
^* Eastman Kodak Co.	496,747	4,520
* MuleSoft Inc. Class A	180,887	4,511
* Control4 Corp.	227,542	4,462
* Meet Group Inc.	849,896	4,292
* Alpha & Omega Semiconductor Ltd.	251,163	4,187
* Zix Corp.	727,359	4,139
* Calix Inc.	602,191	4,125
* Model N Inc.	304,013	4,043
* ChannelAdvisor Corp.	346,685	4,004
* QAD Inc. Class A	123,713	3,965
* American Software Inc. Class A	375,889	3,868
* DSP Group Inc.	331,726	3,848
* Electro Scientific Industries Inc.	466,578	3,845
* MobileIron Inc.	620,479	3,754
* Rapid7 Inc.	220,079	3,704
* Mitek Systems Inc.	433,994	3,646
* EMCORE Corp.	341,952	3,642
* Digi International Inc.	357,009	3,624
* Xactly Corp.	230,447	3,606

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	Shares	Market Value (\$000)
Systemax Inc.	190,057	3,573
^* Glu Mobile Inc.	1,417,399	3,543
* Telenav Inc.	437,338	3,542
* Immersion Corp.	385,064	3,496
* Quantum Corp.	434,509	3,394
* ServiceSource International Inc.	858,328	3,330
* Okta Inc.	143,407	3,270
* Kopin Corp.	872,679	3,238
* Upland Software Inc.	142,934	3,143
* Care.com Inc.	207,964	3,140
Bel Fuse Inc. Class B	126,476	3,124
* Vishay Precision Group Inc.	180,371	3,120
* Sigma Designs Inc.	529,788	3,099
* AXT Inc.	485,359	3,082
^* VirnetX Holding Corp.	670,099	3,049
^* Cloudera Inc.	189,919	3,043
* NeoPhotonics Corp.	391,095	3,019
* Intevac Inc.	267,261	2,967
* Presidio Inc.	207,061	2,963
* EnerNOC Inc.	378,419	2,933
* Brightcove Inc.	466,547	2,893
Reis Inc.	132,547	2,817
^* Maxwell Technologies Inc.	469,745	2,814
* TechTarget Inc.	268,453	2,784
* USA Technologies Inc.	528,182	2,747
* Ichor Holdings Ltd.	134,012	2,702
* Rosetta Stone Inc.	247,062	2,663
* PRGX Global Inc.	391,032	2,542
* Rubicon Project Inc.	488,859	2,513
* Limelight Networks Inc.	851,647	2,461
* Avid Technology Inc.	454,141	2,389
* QuinStreet Inc.	564,691	2,355
* Instructure Inc.	79,143	2,335
* Exa Corp.	167,080	2,306
^* Park City Group Inc.	188,291	2,288
* Alteryx Inc. Class A	114,522	2,235
* Internap Corp.	607,145	2,228
* Agilysys Inc.	219,818	2,225
* Liquidity Services Inc.	349,128	2,217
* Aerohive Networks Inc.	441,596	2,208
* Clearfield Inc.	162,980	2,151
* NCI Inc. Class A	97,023	2,047
* DHI Group Inc.	692,335	1,973
* KVH Industries Inc.	204,620	1,944
^* Yext Inc.	144,177	1,922
* Guidance Software Inc.	285,376	1,886
^* MicroVision Inc.	867,492	1,839
* PCM Inc.	97,690	1,832
* Amber Road Inc.	212,805	1,824
* Planet Payment Inc.	549,534	1,813
Black Box Corp.	211,043	1,804
* CyberOptics Corp.	86,620	1,789
* Aptio Inc. Class A	100,844	1,750
* Information Services Group Inc.	420,556	1,728
* RealNetworks Inc.	399,082	1,728
* Radisys Corp.	458,989	1,726
* Autobyte Inc.	135,667	1,711
* PFSweb Inc.	204,884	1,692
* GSI Technology Inc.	210,060	1,651
* Quantenna Communications Inc.	85,627	1,627
* Seachange International Inc.	588,140	1,564
* Rightside Group Ltd.	143,621	1,525
* Pixelworks Inc.	328,732	1,509
* Asure Software Inc.	102,999	1,505

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	Shares	Market Value (\$000)
PC-Tel Inc.	205,451	1,455
* SecureWorks Corp. Class A	155,371	1,443
* Iteris Inc.	220,619	1,372
* CommerceHub Inc. Class A	76,167	1,327
* Marchex Inc. Class B	442,477	1,319
^* PolarityTE Inc.	56,119	1,297
* Data I/O Corp.	162,610	1,293
* Amtech Systems Inc.	152,838	1,290
^* QuickLogic Corp.	879,801	1,285
* CardConnect Corp.	85,232	1,283
* Aware Inc.	244,539	1,259
* Leaf Group Ltd.	160,157	1,249
YuMe Inc.	250,912	1,179
TransAct Technologies Inc.	136,353	1,159
* Synacor Inc.	316,782	1,156
Computer Task Group Inc.	202,846	1,134
* Key Tronic Corp.	153,965	1,090
* BSQUARE Corp.	188,386	1,055
* iPass Inc.	792,896	1,047
* ModusLink Global Solutions Inc.	598,013	1,023
* StarTek Inc.	81,565	998
^* SITO Mobile Ltd.	262,054	972
^* Akoustis Technologies Inc.	110,827	969
* Travelzoo	86,942	952
* CUI Global Inc.	246,615	947
* Aviat Networks Inc.	54,378	946
* ARI Network Services Inc.	127,267	897
* ID Systems Inc.	143,203	878
AstroNova Inc.	66,674	873
TESSCO Technologies Inc.	65,295	868
* Frequency Electronics Inc.	90,457	863
* Napco Security Technologies Inc.	90,821	854
^* Airgain Inc.	56,514	801
^* CVD Equipment Corp.	68,981	764
^* Everspin Technologies Inc.	37,640	752
Richardson Electronics Ltd.	120,183	717
^* LightPath Technologies Inc. Class A	263,545	712
* PAR Technology Corp.	83,220	710
CSP Inc.	63,690	685
* Identiv Inc.	127,250	668
* Perceptron Inc.	89,911	655
^* Rocket Fuel Inc.	236,185	650
* Numerex Corp. Class A	131,658	649
^* Inseego Corp.	498,155	623
^* Neonode Inc.	567,308	613
GlobalSCAPE Inc.	111,566	590
^* ClearSign Combustion Corp.	148,255	563
* GSE Systems Inc.	186,114	549
* LRAD Corp.	285,635	483
* Evolving Systems Inc.	93,644	482
^* Onvia Inc.	108,561	472
* Edgewater Technology Inc.	65,904	450
Concurrent Computer Corp.	65,502	441
Mattersight Corp.	171,609	438
^* FORM Holdings Corp.	261,389	431
* Innodata Inc.	235,030	411
* Lantronix Inc.	164,486	401
ClearOne Inc.	42,405	401
^* ParkerVision Inc.	222,360	398
QAD Inc. Class B	14,091	378
^* Inspired Entertainment Inc.	28,987	377
^ CPI Card Group Inc.	131,374	374
Communications Systems Inc.	86,204	373
* Wireless Telecom Group Inc.	233,098	373

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	Shares	Market Value (\$000)
^* Marin Software Inc.	276,700	360
* Datavatch Corp.	38,569	359
^* Digital Turbine Inc.	334,030	344
* NetSol Technologies Inc.	86,077	340
* Tintri Inc.	46,200	336
^* Appian Corp.	18,480	335
* Aehr Test Systems	87,667	329
* ALJ Regional Holdings Inc.	102,480	328
^* WidePoint Corp.	709,484	326
Network-1 Technologies Inc.	72,115	306
^* Applied DNA Sciences Inc.	164,151	289
* Westell Technologies Inc. Class A	92,252	289
* Netlist Inc.	278,831	284
* Luna Innovations Inc.	184,086	278
^* Uni-Pixel Inc.	724,252	277
^* Research Frontiers Inc.	210,268	271
* Inuvo Inc.	263,439	269
* Optical Cable Corp.	108,956	267
* Qumu Corp.	88,061	257
^* xG Technology Inc.	154,905	252
* Rubicon Technology Inc.	27,042	250
^* Digital Ally Inc.	75,502	238
* eGain Corp.	139,380	237
^* Resonant Inc.	53,005	235
* IEC Electronics Corp.	62,278	224
^* Intellicheck Inc.	53,926	209
* Finjan Holdings Inc.	55,363	182
* LGL Group Inc.	36,225	175
* Zedge Inc. Class B	78,718	174
* Image Sensing Systems Inc.	44,960	164
^ GlassBridge Enterprises Inc.	41,065	163
* inTEST Corp.	24,223	162
* DASAN Zhone Solutions Inc.	26,053	156
^* Spark Networks Inc.	159,125	153
* eMagin Corp.	61,617	151
* BroadVision Inc.	33,951	149
* MaxPoint Interactive Inc.	20,111	149
* MRV Communications Inc.	14,587	144
^* Professional Diversity Network Inc.	20,497	141
^* MoSys Inc.	80,298	137
* Covisint Corp.	54,800	134
^* Remark Holdings Inc.	46,751	131
RELM Wireless Corp.	33,447	127
Bel Fuse Inc. Class A	5,719	119
TSR Inc.	23,470	119
* FalconStor Software Inc.	447,225	116
* Adesto Technologies Corp.	25,159	114
* Sevcon Inc.	8,414	113
* Sonic Foundry Inc.	28,157	110
* Echelon Corp.	20,807	109
* Tremor Video Inc.	42,907	107
^* Superconductor Technologies Inc. Class A	59,514	104
* Qualstar Corp.	18,492	95
^* Net Element Inc.	134,265	88
* Infasonics Corp.	174,776	82
Wayside Technology Group Inc.	4,125	80
* Document Security Systems Inc.	103,062	79
^* Helios & Matheson Analytics Inc.	27,056	66
* Smith Micro Software Inc.	44,209	65
* Intermolecular Inc.	59,828	56
^* NXT-ID Inc.	29,439	56
* Determine Inc.	19,766	53
* Veritone Inc.	3,600	42
^* Technical Communications Corp.	7,931	41

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	Shares	Market Value (\$000)
* Ciber Inc.	580,309	38
^* Bridgeline Digital Inc.	55,736	31
* Atomera Inc.	6,425	28
^* Crossroads Systems Inc.	13,792	27
* Schmitt Industries Inc.	13,971	25
Issuer Direct Corp.	1,756	23
^* Monster Digital Inc.	37,478	18
* Majesco	3,575	18
* ADDvantage Technologies Group Inc.	9,900	16
* Vicon Industries Inc.	26,489	15
* IntriCon Corp.	1,804	14
* Cartesian Inc.	12,581	9
* Nortech Systems Inc.	2,300	8
^* Giga-tronics Inc.	8,139	6
* Socket Mobile Inc.	1,390	6
* SigmaTron International Inc.	786	5
* Sajan Inc.	754	4
* WPCS International Inc.	2,915	4
* MAM Software Group Inc.	200	1
^* Inpixon	1,760	1
* Xplore Technologies Corp.	43	—
* LGL Group Inc. Warrants Exp. 06/08/2018	238,900	—
		9,685,699

Materials (5.5%)

Celanese Corp. Class A	1,755,085	166,628
Packaging Corp. of America	1,184,515	131,943
Steel Dynamics Inc.	3,048,494	109,167
* Crown Holdings Inc.	1,691,900	100,939
* Berry Global Group Inc.	1,639,073	93,444
RPM International Inc.	1,691,270	92,259
Chemours Co.	2,328,939	88,313
* Axalta Coating Systems Ltd.	2,751,422	88,156
AptarGroup Inc.	790,826	68,691
Reliance Steel & Aluminum Co.	921,981	67,129
Royal Gold Inc.	831,732	65,016
Sonoco Products Co.	1,259,489	64,763
Huntsman Corp.	2,495,735	64,490
Olin Corp.	2,098,235	63,535
WR Grace & Co.	861,561	62,041
Valvoline Inc.	2,600,661	61,688
* Alcoa Corp.	1,854,956	60,564
Eagle Materials Inc.	607,367	56,133
Graphic Packaging Holding Co.	3,918,358	53,995
Bemis Co. Inc.	1,163,792	53,825
Ashland Global Holdings Inc.	784,341	51,696
NewMarket Corp.	111,638	51,407
Scotts Miracle-Gro Co.	558,398	49,954
* Owens-Illinois Inc.	2,052,799	49,103
United States Steel Corp.	2,190,973	48,508
* Louisiana-Pacific Corp.	1,816,118	43,787
Sensient Technologies Corp.	531,744	42,821
Cabot Corp.	788,668	42,138
PolyOne Corp.	1,043,557	40,427
Trinseo SA	560,141	38,482
* Summit Materials Inc. Class A	1,323,172	38,200
* Platform Specialty Products Corp.	2,779,043	35,238
HB Fuller Co.	641,480	32,786
Minerals Technologies Inc.	446,837	32,708
Balchem Corp.	405,138	31,483
Westlake Chemical Corp.	472,317	31,272
* Ingevity Corp.	536,728	30,808
Domtar Corp.	795,687	30,570
Silgan Holdings Inc.	961,428	30,554
Commercial Metals Co.	1,445,180	28,080

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	Shares	Market Value (\$000)
Worthington Industries Inc.	558,064	28,026
^ Compass Minerals International Inc.	428,929	28,009
* GCP Applied Technologies Inc.	905,125	27,606
* AK Steel Holding Corp.	3,973,641	26,107
Hecla Mining Co.	5,049,639	25,753
Quaker Chemical Corp.	169,432	24,607
Greif Inc. Class A	432,705	24,136
* Cliffs Natural Resources Inc.	3,376,915	23,368
^ Allegheny Technologies Inc.	1,367,828	23,267
KapStone Paper and Packaging Corp.	1,111,512	22,930
Carpenter Technology Corp.	587,699	21,998
Stepan Co.	251,376	21,905
Innospec Inc.	306,243	20,074
Kaiser Aluminum Corp.	224,549	19,877
* Coeur Mining Inc.	2,315,364	19,866
* Ferro Corp.	1,059,072	19,370
Neenah Paper Inc.	214,488	17,213
* Boise Cascade Co.	488,909	14,863
Schweitzer-Mauduit International Inc.	395,404	14,721
^,* US Concrete Inc.	182,613	14,344
* Kraton Corp.	395,320	13,615
Tronox Ltd. Class A	834,641	12,620
* AdvanSix Inc.	392,239	12,254
A Schulman Inc.	375,540	12,017
PH Glatfelter Co.	566,526	11,070
Innophos Holdings Inc.	251,119	11,009
Deltic Timber Corp.	135,928	10,148
Calgon Carbon Corp.	667,929	10,086
* Clearwater Paper Corp.	211,868	9,905
Materion Corp.	264,080	9,877
Chase Corp.	92,107	9,828
* Century Aluminum Co.	625,149	9,740
* Koppers Holdings Inc.	268,841	9,719
* SunCoke Energy Inc.	821,890	8,959
Schnitzer Steel Industries Inc.	350,234	8,826
Rayonier Advanced Materials Inc.	553,628	8,703
^ McEwen Mining Inc.	2,964,887	7,798
* TimkenSteel Corp.	488,038	7,501
Mercer International Inc.	565,914	6,508
Hawkins Inc.	135,726	6,291
^,* Flotek Industries Inc.	693,911	6,204
American Vanguard Corp.	344,246	5,938
Haynes International Inc.	159,241	5,782
* OMNOVA Solutions Inc.	561,592	5,475
Myers Industries Inc.	294,933	5,294
Tredegar Corp.	341,887	5,214
Kronos Worldwide Inc.	283,978	5,174
* Resolute Forest Products Inc.	1,171,994	5,157
FutureFuel Corp.	311,779	4,705
KMG Chemicals Inc.	94,051	4,577
Warrior Met Coal Inc.	193,796	3,320
^ Gold Resource Corp.	766,415	3,127
^,* Intrepid Potash Inc.	1,315,460	2,973
^,* LSB Industries Inc.	282,193	2,915
* AgroFresh Solutions Inc.	367,958	2,642
^ Advanced Emissions Solutions Inc.	281,461	2,578
* Codexis Inc.	425,490	2,319
Olympic Steel Inc.	118,404	2,306
Ampco-Pittsburgh Corp.	145,854	2,151
* Core Molding Technologies Inc.	98,468	2,128
United States Lime & Minerals Inc.	26,911	2,112
* UFP Technologies Inc.	74,032	2,095
* Trecora Resources	183,918	2,069
* Ryerson Holding Corp.	201,321	1,993

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	Shares	Market Value (\$000)
* Forterra Inc.	238,230	1,961
* Handy & Harman Ltd.	60,622	1,903
* Verso Corp.	388,447	1,822
* Universal Stainless & Alloy Products Inc.	92,456	1,803
* Synalloy Corp.	93,841	1,065
* Real Industry Inc.	364,162	1,056
^* BioAmber Inc.	294,296	756
Tecnoglass Inc.	74,502	694
^* Pershing Gold Corp.	240,768	672
* Senomyx Inc.	704,610	585
* Northern Technologies International Corp.	29,000	463
^* Ramaco Resources Inc.	68,808	416
^* Golden Minerals Co.	680,647	382
* General Moly Inc.	846,582	313
* TOR Minerals International Inc.	36,729	296
^* TerraVia Holdings Inc.	1,160,803	271
* Solitario Exploration & Royalty Corp.	371,748	249
^* Marrone Bio Innovations Inc.	129,118	167
Friedman Industries Inc.	28,903	164
^* Rentech Inc.	320,959	145
^* Paramount Gold Nevada Corp.	79,697	122
* US Antimony Corp.	177,692	69
^* MagneGas Corp.	51,260	63
* Comstock Mining Inc.	282,331	52
^ US Gold Corp.	13,067	37
* Yield10 Bioscience Inc.	821	4
		3,131,033

Other (0.0%)²

* Dyax Corp CVR Exp. 12/31/2019	1,549,121	3,098
* Tobira Therapeutics Inc. CVR	87,896	1,208
* Camco Financial Corp. Warrants Exp. 11/06/2017	45,300	376
* Media General Inc. CVR	1,202,098	358
* Adolor Corp. Rights Exp. 07/01/2019	596,841	310
* Chelsea Therapeutics International Ltd. CVR Exp. 12/31/2017	912,063	100
* Ambit Biosciences Corp. CVR	22,388	13
* GenVec Inc. CPR	26,612	12
* Alexza Pharmaceuticals Inc. CVR	128,704	5
* Dara Biosciences Inc CVR Exp. 12/31/2018	15,573	1
* Seventy Seven Energy Inc. Escrow Line	3,457	—
* Clinical Data CVR	131,308	—
* Gerber Scientific Inc. CVR	161,151	—
^* Biosante Pharmaceutical Inc. CVR	44,795	—
* CIL&D LLC	36,800	—
* Seventy Seven Energy Inc. Warrants Exp. 08/01/2023	172	—
* Seventy Seven Energy Inc. Warrants Exp. 08/01/2021	192	—
		5,481

Real Estate (9.5%)

* SBA Communications Corp. Class A	1,529,333	206,307
Duke Realty Corp.	4,481,117	125,247
VEREIT Inc.	12,276,590	99,931
Colony NorthStar Inc. Class A	6,941,174	97,801
Camden Property Trust	1,103,246	94,339
Kilroy Realty Corp.	1,241,891	93,328
WP Carey Inc.	1,354,568	89,415
Equity LifeStyle Properties Inc.	1,033,476	89,230
Gaming and Leisure Properties Inc.	2,282,481	85,981
Omega Healthcare Investors Inc.	2,483,611	82,009
American Campus Communities Inc.	1,706,902	80,736
Sun Communities Inc.	894,743	78,460
Lamar Advertising Co. Class A	1,050,063	77,253
Liberty Property Trust	1,863,074	75,846
Healthcare Trust of America Inc. Class A	2,410,803	75,000
National Retail Properties Inc.	1,893,385	74,031
Jones Lang LaSalle Inc.	570,876	71,359

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	Shares	Market Value (\$000)
Douglas Emmett Inc.	1,843,937	70,457
American Homes 4 Rent Class A	2,959,856	66,804
Forest City Realty Trust Inc. Class A	2,762,039	66,758
Hudson Pacific Properties Inc.	1,947,431	66,583
Highwoods Properties Inc.	1,291,812	65,508
DCT Industrial Trust Inc.	1,167,718	62,403
Senior Housing Properties Trust	3,020,746	61,744
Hospitality Properties Trust	2,083,638	60,738
DuPont Fabros Technology Inc.	979,021	59,877
Medical Properties Trust Inc.	4,623,747	59,508
Brixmor Property Group Inc.	3,325,925	59,468
EPR Properties	809,735	58,196
Gramercy Property Trust	1,910,467	56,760
* Howard Hughes Corp.	457,858	56,243
Realogy Holdings Corp.	1,718,415	55,763
CubeSmart	2,291,200	55,080
CyrusOne Inc.	986,018	54,970
Colony Starwood Homes	1,553,562	53,303
Healthcare Realty Trust Inc.	1,480,831	50,570
Uniti Group Inc.	1,983,384	49,862
* Equity Commonwealth	1,564,925	49,452
STORE Capital Corp.	2,170,423	48,726
Park Hotels & Resorts Inc.	1,797,528	48,461
Rayonier Inc.	1,626,210	46,786
GEO Group Inc.	1,568,807	46,390
Cousins Properties Inc.	5,260,162	46,237
Taubman Centers Inc.	768,762	45,780
Spirit Realty Capital Inc.	6,103,425	45,226
Weingarten Realty Investors	1,501,070	45,182
Corporate Office Properties Trust	1,278,177	44,775
Sunstone Hotel Investors Inc.	2,767,502	44,612
CoreSite Realty Corp.	429,654	44,482
Life Storage Inc.	592,548	43,908
Physicians Realty Trust	2,113,050	42,557
First Industrial Realty Trust Inc.	1,481,831	42,410
LaSalle Hotel Properties	1,419,778	42,309
Ryman Hospitality Properties Inc.	644,322	41,243
CoreCivic Inc.	1,493,243	41,184
National Health Investors Inc.	517,073	40,952
Outfront Media Inc.	1,760,528	40,703
Piedmont Office Realty Trust Inc. Class A	1,867,592	39,369
Brandywine Realty Trust	2,244,403	39,344
Paramount Group Inc.	2,323,575	37,177
Apple Hospitality REIT Inc.	1,980,761	37,060
Retail Properties of America Inc.	3,013,985	36,801
Education Realty Trust Inc.	945,596	36,642
EastGroup Properties Inc.	424,799	35,598
DDR Corp.	3,923,739	35,588
Columbia Property Trust Inc.	1,568,933	35,113
PS Business Parks Inc.	253,092	33,507
Empire State Realty Trust Inc.	1,585,455	32,930
QTS Realty Trust Inc. Class A	604,594	31,638
Tanger Factory Outlet Centers Inc.	1,217,096	31,620
Mack-Cali Realty Corp.	1,154,536	31,334
RLJ Lodging Trust	1,565,927	31,115
STAG Industrial Inc.	1,119,455	30,897
Washington REIT	966,508	30,832
Acadia Realty Trust	1,087,775	30,240
Urban Edge Properties	1,257,591	29,843
^ Pebblebrook Hotel Trust	891,764	28,750
Care Capital Properties Inc.	1,064,366	28,419
Lexington Realty Trust	2,764,673	27,398
DiamondRock Hospitality Co.	2,498,256	27,356
Retail Opportunity Investments Corp.	1,398,942	26,846

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	Shares	Market Value (\$000)
Xenia Hotels & Resorts Inc.	1,359,959	26,342
LTC Properties Inc.	495,632	25,471
Alexander & Baldwin Inc.	590,458	24,433
Summit Hotel Properties Inc.	1,298,002	24,208
Potlatch Corp.	514,673	23,521
Rexford Industrial Realty Inc.	850,087	23,326
Kennedy-Wilson Holdings Inc.	1,182,254	22,522
Government Properties Income Trust	1,215,775	22,261
* Quality Care Properties Inc.	1,197,833	21,932
Invitation Homes Inc.	997,960	21,586
Terreno Realty Corp.	633,192	21,313
Monogram Residential Trust Inc.	2,192,775	21,292
American Assets Trust Inc.	526,873	20,754
Kite Realty Group Trust	1,060,521	20,076
Sabra Health Care REIT Inc.	815,526	19,654
Washington Prime Group Inc.	2,338,723	19,575
Select Income REIT	813,421	19,546
Alexander's Inc.	46,341	19,531
Four Corners Property Trust Inc.	748,323	18,790
Chesapeake Lodging Trust	758,912	18,571
^ CBL & Associates Properties Inc.	2,151,735	18,139
CareTrust REIT Inc.	922,392	17,101
* St. Joe Co.	904,851	16,966
Agree Realty Corp.	356,621	16,358
Global Net Lease Inc.	722,883	16,077
HFF Inc. Class A	451,370	15,694
Franklin Street Properties Corp.	1,360,021	15,069
Monmouth Real Estate Investment Corp.	954,593	14,367
Universal Health Realty Income Trust	168,146	13,374
Ramco-Gershenson Properties Trust	1,000,182	12,902
National Storage Affiliates Trust	558,127	12,898
Parkway Inc.	562,850	12,884
RE/MAX Holdings Inc. Class A	229,696	12,874
FelCor Lodging Trust Inc.	1,637,067	11,803
Tier REIT Inc.	632,414	11,687
* iStar Inc.	930,009	11,197
New Senior Investment Group Inc.	1,078,200	10,836
Investors Real Estate Trust	1,607,986	9,986
Pennsylvania REIT	879,233	9,953
Chatham Lodging Trust	493,413	9,913
Hersha Hospitality Trust Class A	521,481	9,653
Saul Centers Inc.	163,545	9,482
NorthStar Realty Europe Corp.	733,438	9,300
InfraREIT Inc.	475,971	9,115
First Potomac Realty Trust	797,371	8,859
Altisource Residential Corp.	669,937	8,669
Getty Realty Corp.	340,612	8,549
Independence Realty Trust Inc.	789,159	7,789
Urstadt Biddle Properties Inc. Class A	379,084	7,506
Easterly Government Properties Inc.	350,957	7,353
Armada Hoffler Properties Inc.	549,644	7,118
Gladstone Commercial Corp.	321,151	6,998
* Forestar Group Inc.	402,820	6,908
^ Seritage Growth Properties Class A	164,341	6,894
CatchMark Timber Trust Inc. Class A	557,580	6,340
UMH Properties Inc.	364,716	6,218
Preferred Apartment Communities Inc. Class A	390,551	6,151
Ashford Hospitality Trust Inc.	1,008,453	6,131
NexPoint Residential Trust Inc.	241,672	6,015
Whitestone REIT	463,169	5,674
One Liberty Properties Inc.	217,027	5,085
^ CorEnergy Infrastructure Trust Inc.	151,291	5,082
* Marcus & Millichap Inc.	192,702	5,080
Community Healthcare Trust Inc.	185,269	4,741

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	Shares	Market Value (\$000)
City Office REIT Inc.	369,810	4,697
Cedar Realty Trust Inc.	944,894	4,583
RMR Group Inc. Class A	94,067	4,576
* Tejon Ranch Co.	217,774	4,495
Ashford Hospitality Prime Inc.	423,083	4,353
Consolidated-Tomoka Land Co.	72,782	4,145
MedEquities Realty Trust Inc.	327,136	4,128
Bluerock Residential Growth REIT Inc. Class A	319,383	4,117
^ Farmland Partners Inc.	410,798	3,673
^* Altisource Portfolio Solutions SA	154,424	3,370
* FRP Holdings Inc.	60,600	2,797
RAIT Financial Trust	1,054,755	2,310
^ Jernigan Capital Inc.	104,577	2,301
* Maui Land & Pineapple Co. Inc.	107,734	2,187
Stratus Properties Inc.	73,967	2,175
* Safety Income and Growth Inc.	76,929	1,473
^ Wheeler REIT Inc.	134,005	1,368
* Trinity Place Holdings Inc.	161,427	1,148
Sotherly Hotels Inc.	166,788	1,131
Gladstone Land Corp.	77,780	908
Griffin Industrial Realty Inc.	26,862	843
Urstadt Biddle Properties Inc.	38,700	668
Clipper Realty Inc.	25,697	317
* BRT Apartments Corp.	33,749	265
* InterGroup Corp.	6,400	166
Condor Hospitality Trust Inc.	12,818	137
Innovative Industrial Properties Inc.	6,892	115
Global Self Storage Inc.	4,745	24
* Transcontinental Realty Investors Inc.	400	11
CKX Lands Inc.	399	5
* Power REIT	200	1
		5,401,639
Telecommunication Services (1.0%)		
* T-Mobile US Inc.	3,656,945	221,684
^* Sprint Corp.	8,035,675	65,973
* Zayo Group Holdings Inc.	1,246,813	38,527
Telephone & Data Systems Inc.	1,179,654	32,735
Cogent Communications Holdings Inc.	525,800	21,085
* Straight Path Communications Inc. Class B	105,973	19,038
Shenandoah Telecommunications Co.	587,244	18,028
^ Frontier Communications Corp.	14,858,881	17,236
* Vonage Holdings Corp.	2,468,851	16,146
Consolidated Communications Holdings Inc.	656,010	14,085
* General Communication Inc. Class A	331,108	12,132
* Iridium Communications Inc.	1,026,921	11,347
Cincinnati Bell Inc.	547,092	10,696
ATN International Inc.	143,690	9,834
* ORBCOMM Inc.	842,427	9,519
Windstream Holdings Inc.	2,406,181	9,336
^* Globalstar Inc.	4,256,753	9,067
* Boingo Wireless Inc.	482,949	7,225
* United States Cellular Corp.	187,124	7,171
* Lumos Networks Corp.	302,963	5,414
Spok Holdings Inc.	276,004	4,885
* FairPoint Communications Inc.	285,617	4,470
^* pdvWireless Inc.	138,925	3,237
IDT Corp. Class B	224,918	3,232
* Hawaiian Telcom Holdco Inc.	118,330	2,957
* Alaska Communications Systems Group Inc.	684,561	1,506
* Ooma Inc.	159,890	1,279
* NII Holdings Inc.	1,378,627	1,108
^* Pareteum Corp.	54,548	31
* Fusion Telecommunications International Inc.	2,852	4

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	Shares	Market Value (\$000)
^* One Horizon Group Inc.	4,567	4
		578,991
Utilities (3.2%)		
Atmos Energy Corp.	1,330,430	110,359
UGI Corp.	2,186,900	105,868
Westar Energy Inc. Class A	1,796,592	95,255
OGE Energy Corp.	2,506,190	87,190
Great Plains Energy Inc.	2,666,903	78,087
Aqua America Inc.	2,239,619	74,579
MDU Resources Group Inc.	2,477,687	64,915
* Calpine Corp.	4,567,984	61,805
* Vistra Energy Corp.	3,668,934	61,601
Vectren Corp.	1,043,349	60,973
National Fuel Gas Co.	1,078,845	60,243
WGL Holdings Inc.	646,639	53,949
IDACORP Inc.	629,664	53,742
Portland General Electric Co.	1,130,150	51,637
ALLETE Inc.	651,587	46,706
Black Hills Corp.	673,104	45,414
ONE Gas Inc.	650,338	45,400
Hawaiian Electric Industries Inc.	1,383,959	44,813
Southwest Gas Holdings Inc.	599,752	43,818
New Jersey Resources Corp.	1,096,679	43,538
Spire Inc.	605,310	42,220
PNM Resources Inc.	1,023,337	39,143
NorthWestern Corp.	619,600	37,808
South Jersey Industries Inc.	1,022,635	34,943
Avista Corp.	809,826	34,385
Avangrid Inc.	705,587	31,152
MGE Energy Inc.	446,756	28,749
Ormat Technologies Inc.	454,599	26,676
El Paso Electric Co.	483,788	25,012
California Water Service Group	615,385	22,646
American States Water Co.	472,063	22,381
Northwest Natural Gas Co.	352,598	21,103
Pattern Energy Group Inc. Class A	859,354	20,487
Otter Tail Corp.	510,992	20,235
Chesapeake Utilities Corp.	215,519	16,153
NRG Yield Inc.	823,711	14,497
Dynegy Inc.	1,681,028	13,902
* TerraForm Power Inc. Class A	967,038	11,605
SJW Group	201,763	9,923
Unitil Corp.	182,536	8,818
Connecticut Water Service Inc.	157,301	8,732
Middlesex Water Co.	217,822	8,626
NRG Yield Inc. Class A	435,995	7,438
York Water Co.	164,656	5,738
Artesian Resources Corp. Class A	106,306	4,001
^* Cadiz Inc.	280,373	3,785
^ Spark Energy Inc. Class A	152,704	2,871
Delta Natural Gas Co. Inc.	83,807	2,554
* TerraForm Global Inc. Class A	452,790	2,287
^* AquaVenture Holdings Ltd.	128,362	1,955
Genie Energy Ltd. Class B	209,942	1,600
* Pure Cycle Corp.	192,349	1,491
Gas Natural Inc.	88,690	1,144
RGC Resources Inc.	28,104	796
* US Geothermal Inc.	131,843	605
		1,825,353
Total Common Stocks (Cost \$44,456,697)		56,543,300

Vanguard® Extended Market Index Fund
Schedule of Investments
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	Coupon	Shares	Market Value (\$000)	
Temporary Cash Investments (3.2%) ¹				
Money Market Fund (3.1%)				
^{3,4} Vanguard Market Liquidity Fund	1.181%	17,883,910	1,788,749	
		Face Amount (\$000)		
U.S. Government and Agency Obligations (0.1%)				
United States Treasury Bill	0.862%	8/3/17	2,200	2,198
⁵ United States Treasury Bill	0.923%–0.990%	9/21/17	14,000	13,970
⁵ United States Treasury Bill	0.909%	10/5/17	6,000	5,984
⁵ United States Treasury Bill	1.056%	11/24/17	5,000	4,979
				27,131
Total Temporary Cash Investments (Cost \$1,815,673)				1,815,880
Total Investments (102.1%) (Cost \$46,272,370)				58,359,180
Other Assets and Liabilities—Net (-2.1%) ⁴				(1,203,888)
Net Assets (100%)				57,155,292

[^] Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$1,191,288,000.

^{*} Non-income-producing security.

¹ The fund invests a portion of its cash reserves in equity markets through the use of index futures contracts and swap contracts. After giving effect to futures and swap investments, the fund's effective common stock and temporary cash investment positions represent 99.9% and 2.2%, respectively, of net assets.

² "Other" represents securities that are not classified by the fund's benchmark index.

³ Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

⁴ Includes \$1,277,583,000 of collateral received for securities on loan.

⁵ Securities with a value of \$24,135,000 have been segregated as initial margin for open futures contracts.

CPR—Contingent Payment Rights.

CVR—Contingent Value Rights.

REIT—Real Estate Investment Trust.

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Vanguard® Total Stock Market Index Fund
Schedule of Investments
June 30, 2017

	Shares	Market Value (\$000)
Common Stocks (99.5%)¹		
Basic Materials (2.5%)		
Dow Chemical Co.	28,110,619	1,772,937
El du Pont de Nemours & Co.	19,964,585	1,611,342
Praxair Inc.	6,561,472	869,723
Ecolab Inc.	6,036,720	801,375
Air Products & Chemicals Inc.	4,999,917	715,288
PPG Industries Inc.	5,903,515	649,151
LyondellBasell Industries NV Class A	7,398,885	624,392
International Paper Co.	9,475,021	536,381
Nucor Corp.	7,336,174	424,544
Newmont Mining Corp.	12,291,815	398,132
* Freeport-McMoRan Inc.	29,980,604	360,067
Celanese Corp. Class A	3,235,527	307,181
Albemarle Corp.	2,582,034	272,508
Eastman Chemical Co.	3,187,319	267,703
International Flavors & Fragrances Inc.	1,818,102	245,444
Arconic Inc.	10,131,485	229,478
FMC Corp.	3,075,889	224,694
Steel Dynamics Inc.	5,298,701	189,746
Mosaic Co.	8,043,737	183,639
Avery Dennison Corp.	2,029,330	179,332
RPM International Inc.	3,059,252	166,882
Chemours Co.	4,239,207	160,751
* Axalta Coating Systems Ltd.	4,980,060	159,561
CF Industries Holdings Inc.	5,345,700	149,466
* Alcoa Corp.	4,226,616	137,999
Huntsman Corp.	4,631,578	119,680
Royal Gold Inc.	1,509,554	118,002
Reliance Steel & Aluminum Co.	1,582,996	115,258
Olin Corp.	3,793,180	114,857
WR Grace & Co.	1,574,825	113,403
NewMarket Corp.	221,162	101,841
Ashland Global Holdings Inc.	1,416,707	93,375
Scotts Miracle-Gro Co.	1,025,753	91,764
^ United States Steel Corp.	3,997,669	88,508
Sensient Technologies Corp.	1,033,097	83,195
Versum Materials Inc.	2,505,405	81,426
PolyOne Corp.	1,882,223	72,917
Cabot Corp.	1,284,343	68,622
US Silica Holdings Inc.	1,851,200	65,699
* Univar Inc.	2,233,665	65,223
HB Fuller Co.	1,177,504	60,182
Minerals Technologies Inc.	808,079	59,151
Westlake Chemical Corp.	883,911	58,524
* Platform Specialty Products Corp.	4,560,591	57,828
Balchem Corp.	734,740	57,097
Domtar Corp.	1,450,201	55,717
* Ingevity Corp.	968,005	55,563
* CONSOL Energy Inc.	3,678,251	54,953
Worthington Industries Inc.	1,027,936	51,623
Commercial Metals Co.	2,652,537	51,539
^ Compass Minerals International Inc.	770,357	50,304
* GCP Applied Technologies Inc.	1,628,531	49,670
*^ AK Steel Holding Corp.	7,236,180	47,542
*^ Cliffs Natural Resources Inc.	6,755,174	46,746
Hecla Mining Co.	9,151,124	46,671
* Cambrex Corp.	741,990	44,334
^ Allegheny Technologies Inc.	2,499,968	42,524
Quaker Chemical Corp.	286,606	41,624
KapStone Paper and Packaging Corp.	1,969,989	40,641
Stepan Co.	465,268	40,543
Carpenter Technology Corp.	1,075,150	40,243

Vanguard® Total Stock Market Index Fund
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	Shares	Market Value (\$000)
* Coeur Mining Inc.	4,187,418	35,928
Innospec Inc.	537,785	35,252
* Ferro Corp.	1,897,791	34,711
^ Arch Coal Inc. Class A	484,135	33,066
Kaiser Aluminum Corp.	371,767	32,909
Neenah Paper Inc.	373,022	29,935
*^ Peabody Energy Corp.	1,018,462	24,901
* Kraton Corp.	701,550	24,161
* AdvanSix Inc.	689,305	21,534
Tronox Ltd. Class A	1,367,483	20,676
A Schulman Inc.	635,523	20,337
PH Glatfelter Co.	994,376	19,430
Innophos Holdings Inc.	436,736	19,146
Deltic Timber Corp.	253,456	18,923
Calgon Carbon Corp.	1,199,077	18,106
* Clearwater Paper Corp.	383,971	17,951
* Century Aluminum Co.	1,112,718	17,336
Chase Corp.	161,416	17,223
* SunCoke Energy Inc.	1,531,394	16,692
* Koppers Holdings Inc.	452,597	16,361
Rayonier Advanced Materials Inc.	968,863	15,231
*^ Fairmount Santrol Holdings Inc.	3,573,418	13,936
* CSW Industrials Inc.	357,242	13,807
* Veritiv Corp.	255,789	11,510
Haynes International Inc.	305,972	11,110
American Vanguard Corp.	620,443	10,703
Aceto Corp.	670,872	10,365
Hawkins Inc.	218,745	10,139
Tredegar Corp.	647,317	9,872
KMG Chemicals Inc.	200,495	9,758
* OMNOVA Solutions Inc.	996,797	9,719
Kronos Worldwide Inc.	532,122	9,695
FutureFuel Corp.	539,444	8,140
* Nexeo Solutions Inc.	844,592	7,010
* Cloud Peak Energy Inc.	1,888,047	6,665
Warrior Met Coal Inc.	370,925	6,354
* Codexis Inc.	1,119,739	6,103
* Resolute Forest Products Inc.	1,284,961	5,654
Gold Resource Corp.	1,325,577	5,408
*^ Intrepid Potash Inc.	2,343,082	5,295
*^ LSB Industries Inc.	506,145	5,228
*^ Uranium Energy Corp.	3,087,367	4,909
Olympic Steel Inc.	225,013	4,383
Hallador Energy Co.	499,693	3,883
* Verso Corp.	795,449	3,731
* Ryerson Holding Corp.	364,153	3,605
* AgroFresh Solutions Inc.	455,612	3,271
Ampco-Pittsburgh Corp.	201,425	2,971
* Universal Stainless & Alloy Products Inc.	144,198	2,812
*^ Ur-Energy Inc.	3,850,766	2,415
*^ ChromaDex Corp.	569,641	2,176
* Synalloy Corp.	191,382	2,172
* Westmoreland Coal Co.	438,736	2,137
* Real Industry Inc.	637,189	1,848
* Northern Technologies International Corp.	63,670	1,016
*^ Pershing Gold Corp.	343,291	958
* NL Industries Inc.	107,187	756
*^ Ramaco Resources Inc.	124,749	755
* Handy & Harman Ltd.	21,458	674
Friedman Industries Inc.	105,718	600
* Senomyx Inc.	643,987	535
*^ Uni-Pixel Inc.	1,217,492	465
United-Guardian Inc.	27,515	425
* Centrus Energy Corp. Class A	89,678	377

Vanguard® Total Stock Market Index Fund
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	Shares	Market Value (\$000)
* Solitario Exploration & Royalty Corp.	514,972	345
*^ Comstock Mining Inc.	1,807,876	330
* General Moly Inc.	826,813	305
*^ Golden Minerals Co.	491,286	276
*^ Marrone Bio Innovations Inc.	176,690	228
* Dynasil Corp. of America	158,073	191
* Rentech Inc.	152,312	69
* Ikonics Corp.	6,410	57
*^ Uranium Resources Inc.	25,983	39
* TOR Minerals International Inc.	2,580	21
*^ Paramount Gold Nevada Corp.	5,300	8
* US Antimony Corp.	6,800	3
* Senestech Inc.	200	1
		14,799,532
Consumer Goods (9.6%)		
Procter & Gamble Co.	58,939,340	5,136,563
Philip Morris International Inc.	35,780,975	4,202,475
Coca-Cola Co.	88,612,244	3,974,259
PepsiCo Inc.	32,956,942	3,806,197
Altria Group Inc.	44,516,118	3,315,115
NIKE Inc. Class B	30,387,385	1,792,856
Colgate-Palmolive Co.	20,335,163	1,507,446
Mondelez International Inc. Class A	33,178,575	1,432,983
Reynolds American Inc.	19,725,963	1,282,977
Kraft Heinz Co.	14,004,845	1,199,375
Monsanto Co.	10,101,139	1,195,571
Kimberly-Clark Corp.	8,178,346	1,055,906
General Motors Co.	29,443,723	1,028,469
*^ Tesla Inc.	2,836,742	1,025,794
Ford Motor Co.	89,687,054	1,003,598
Activision Blizzard Inc.	16,447,709	946,895
General Mills Inc.	13,295,936	736,595
* Electronic Arts Inc.	6,769,768	715,700
Constellation Brands Inc. Class A	3,566,162	690,873
Newell Brands Inc.	11,127,379	596,650
Archer-Daniels-Midland Co.	13,120,192	542,914
Delphi Automotive plc	6,170,927	540,882
Stanley Black & Decker Inc.	3,517,630	495,036
Estee Lauder Cos. Inc. Class A	5,141,819	493,512
* Monster Beverage Corp.	9,828,363	488,273
Tyson Foods Inc. Class A	6,610,662	414,026
Clorox Co.	2,946,548	392,598
Kellogg Co.	5,617,698	390,205
Dr Pepper Snapple Group Inc.	4,221,481	384,619
Conagra Brands Inc.	9,943,014	355,562
* Mohawk Industries Inc.	1,452,873	351,145
VF Corp.	6,061,807	349,160
Molson Coors Brewing Co. Class B	4,020,460	347,127
Hershey Co.	3,136,885	336,807
Whirlpool Corp.	1,709,560	327,586
Church & Dwight Co. Inc.	5,927,455	307,516
Coach Inc.	6,432,521	304,516
Genuine Parts Co.	3,238,313	300,386
JM Smucker Co.	2,533,911	299,838
Hasbro Inc.	2,584,865	288,238
DR Horton Inc.	8,166,922	282,330
McCormick & Co. Inc.	2,597,945	253,326
Lennar Corp. Class A	4,614,853	246,064
Bunge Ltd.	3,221,584	240,330
Campbell Soup Co.	4,574,592	238,565
Lear Corp.	1,596,481	226,828
* LKQ Corp.	6,694,438	220,582
Harley-Davidson Inc.	4,037,290	218,094
Snap-on Inc.	1,326,606	209,604

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	Shares	Market Value (\$000)
PVH Corp.	1,812,642	207,547
BorgWarner Inc.	4,894,272	207,321
Hormel Foods Corp.	6,076,407	207,266
Goodyear Tire & Rubber Co.	5,777,665	201,987
* NVR Inc.	81,988	197,641
Brown-Forman Corp. Class B	4,062,318	197,429
Ingredion Inc.	1,643,406	195,910
Hanesbrands Inc.	8,444,135	195,566
Leucadia National Corp.	7,426,648	194,281
Coty Inc. Class A	10,317,592	193,558
* Take-Two Interactive Software Inc.	2,374,725	174,257
Mattel Inc.	7,866,111	169,357
Pinnacle Foods Inc.	2,717,780	161,436
* Middleby Corp.	1,321,033	160,519
PulteGroup Inc.	6,525,663	160,074
Leggett & Platt Inc.	3,038,084	159,591
* WABCO Holdings Inc.	1,191,482	151,926
Lamb Weston Holdings Inc.	3,336,235	146,928
Toll Brothers Inc.	3,532,998	139,589
* Lululemon Athletica Inc.	2,182,534	130,232
* Michael Kors Holdings Ltd.	3,549,223	128,659
Brunswick Corp.	2,043,386	128,182
^ Polaris Industries Inc.	1,370,319	126,385
Gentex Corp.	6,627,913	125,731
Thor Industries Inc.	1,146,871	119,871
Valvoline Inc.	4,687,909	111,197
* Post Holdings Inc.	1,422,288	110,441
*^ Herbalife Ltd.	1,497,096	106,788
* TreeHouse Foods Inc.	1,302,080	106,367
Pool Corp.	898,064	105,585
* Edgewell Personal Care Co.	1,318,338	100,220
Ralph Lauren Corp. Class A	1,286,978	94,979
Carter's Inc.	1,048,690	93,281
* Hain Celestial Group Inc.	2,391,302	92,830
*^ Under Armour Inc. Class A	4,227,140	91,983
* Skechers U.S.A. Inc. Class A	3,049,031	89,946
* US Foods Holding Corp.	3,276,113	89,176
*^ Under Armour Inc.	4,282,250	86,330
* Visteon Corp.	748,956	76,438
Flowers Foods Inc.	4,311,912	74,639
Nu Skin Enterprises Inc. Class A	1,184,950	74,462
Dana Inc.	3,298,566	73,657
*^ Wayfair Inc.	947,281	72,827
Tenneco Inc.	1,251,858	72,395
Energizer Holdings Inc.	1,414,209	67,910
Spectrum Brands Holdings Inc.	537,739	67,239
* Zynga Inc. Class A	18,044,409	65,682
Tupperware Brands Corp.	929,190	65,257
CalAtlantic Group Inc.	1,793,943	63,416
* Dorman Products Inc.	760,691	62,962
Snyder's-Lance Inc.	1,764,177	61,076
* Darling Ingredients Inc.	3,820,856	60,140
Wolverine World Wide Inc.	2,141,964	59,996
* Welbilt Inc.	3,166,268	59,684
* Helen of Troy Ltd.	622,093	58,539
*^ Tempur Sealy International Inc.	1,084,037	57,877
LCI Industries	539,376	55,232
* Kate Spade & Co.	2,932,791	54,227
Lancaster Colony Corp.	439,703	53,916
B&G Foods Inc.	1,508,523	53,703
Sanderson Farms Inc.	460,721	53,282
* iRobot Corp.	601,656	50,623
* Deckers Outdoor Corp.	728,058	49,697
* Steven Madden Ltd.	1,242,049	49,620

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	Shares	Market Value (\$000)
* Blue Buffalo Pet Products Inc.	2,075,517	47,343
Vector Group Ltd.	2,204,783	47,006
* TRI Pointe Group Inc.	3,509,199	46,286
KB Home	1,881,059	45,089
J&J Snack Foods Corp.	339,744	44,870
Cooper Tire & Rubber Co.	1,206,278	43,547
Herman Miller Inc.	1,367,969	41,586
* Cooper-Standard Holdings Inc.	405,090	40,861
HNI Corp.	1,012,407	40,365
Fresh Del Monte Produce Inc.	763,958	38,893
Avon Products Inc.	10,057,591	38,219
* Taylor Morrison Home Corp. Class A	1,582,830	38,004
Columbia Sportswear Co.	652,904	37,908
Universal Corp.	581,328	37,612
* Meritage Homes Corp.	886,256	37,400
La-Z-Boy Inc.	1,111,301	36,117
Nutrisystem Inc.	679,067	35,345
* Select Comfort Corp.	977,573	34,694
Dean Foods Co.	2,034,790	34,591
WD-40 Co.	305,565	33,719
MDC Holdings Inc.	934,026	32,999
* Gentherm Inc.	830,317	32,216
*^ Hostess Brands Inc. Class A	1,998,683	32,179
Interface Inc. Class A	1,598,227	31,405
* Vista Outdoor Inc.	1,365,040	30,727
* ACCO Brands Corp.	2,509,081	29,231
* American Axle & Manufacturing Holdings Inc.	1,857,332	28,974
* Fox Factory Holding Corp.	805,702	28,683
* Boston Beer Co. Inc. Class A	210,863	27,866
Callaway Golf Co.	2,140,206	27,352
*^ Pilgrim's Pride Corp.	1,228,928	26,938
Seaboard Corp.	6,676	26,671
* Cavco Industries Inc.	199,610	25,879
*^ Cal-Maine Foods Inc.	652,731	25,848
Schweitzer-Mauduit International Inc.	688,983	25,651
Winnebago Industries Inc.	728,582	25,500
Steelcase Inc. Class A	1,806,418	25,290
* Calavo Growers Inc.	363,738	25,116
National Beverage Corp.	267,844	25,059
Coca-Cola Bottling Co. Consolidated	106,178	24,301
Standard Motor Products Inc.	459,472	23,994
Briggs & Stratton Corp.	947,267	22,829
* G-III Apparel Group Ltd.	896,708	22,373
* Universal Electronics Inc.	322,965	21,590
Oxford Industries Inc.	344,919	21,554
Knoll Inc.	1,039,534	20,843
Andersons Inc.	581,648	19,863
*^ Fitbit Inc. Class A	3,726,219	19,786
Ethan Allen Interiors Inc.	604,630	19,530
* Modine Manufacturing Co.	1,150,131	19,035
* Central Garden & Pet Co. Class A	603,832	18,127
* M/I Homes Inc.	588,359	16,798
* USANA Health Sciences Inc.	262,005	16,795
*^ GoPro Inc. Class A	2,015,834	16,389
Phibro Animal Health Corp. Class A	437,127	16,196
*^ LGI Homes Inc.	396,632	15,937
Camping World Holdings Inc. Class A	501,358	15,467
* Tootsie Roll Industries Inc.	433,221	15,098
Kimball International Inc. Class B	900,009	15,021
*^ William Lyon Homes Class A	618,377	14,928
* Nautilus Inc.	770,303	14,751
* MGP Ingredients Inc.	286,821	14,677
Inter Parfums Inc.	399,505	14,642
* Crocs Inc.	1,830,465	14,113

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	Shares	Market Value (\$000)
National Presto Industries Inc.	124,477	13,755
*^ e.l.f. Beauty, Inc.	483,876	13,166
*^ Central Garden & Pet Co.	403,990	12,843
Titan International Inc.	1,056,503	12,689
* Motorcar Parts of America Inc.	444,600	12,555
Lennar Corp. Class B	273,691	12,308
John B Sanfilippo & Son Inc.	183,219	11,563
Superior Industries International Inc.	560,169	11,511
* Beazer Homes USA Inc.	830,934	11,400
* Unifi Inc.	350,325	10,790
*^ Fossil Group Inc.	1,035,266	10,715
* Malibu Boats Inc. Class A	412,542	10,672
Hooker Furniture Corp.	256,945	10,573
Acushnet Holdings Corp.	528,156	10,479
Tower International Inc.	448,305	10,064
* Century Communities Inc.	390,353	9,681
Movado Group Inc.	369,781	9,337
* Stoneridge Inc.	594,358	9,159
Flexsteel Industries Inc.	168,058	9,094
Medifast Inc.	217,085	9,002
* Iconix Brand Group Inc.	1,292,959	8,934
Omega Protein Corp.	470,213	8,417
*^ Freshpet Inc.	494,694	8,212
Bassett Furniture Industries Inc.	214,231	8,130
Culp Inc.	243,286	7,907
* Farmer Brothers Co.	257,556	7,791
*^ Amplify Snack Brands Inc.	762,707	7,352
* Eastman Kodak Co.	798,529	7,267
* Primo Water Corp.	565,323	7,180
Nutraceutical International Corp.	169,048	7,041
* MCBC Holdings Inc.	352,120	6,884
Limoneira Co.	287,000	6,782
* Revlon Inc. Class A	267,351	6,336
* Hovnanian Enterprises Inc. Class A	2,186,427	6,122
Johnson Outdoors Inc. Class A	121,155	5,841
* ZAGG Inc.	672,715	5,819
* Perry Ellis International Inc.	284,405	5,535
* Glu Mobile Inc.	2,208,392	5,521
*^ Jamba Inc.	661,983	5,157
* Vera Bradley Inc.	513,844	5,025
* Seneca Foods Corp. Class A	150,784	4,682
* Core Molding Technologies Inc.	206,693	4,467
*^ Castle Brands Inc.	2,465,453	4,241
Oil-Dri Corp. of America	96,105	4,037
Superior Uniform Group Inc.	179,445	4,011
Libbey Inc.	492,491	3,969
* Craft Brew Alliance Inc.	210,121	3,541
*^ Sequential Brands Group Inc.	863,477	3,445
Lifetime Brands Inc.	185,281	3,363
Marine Products Corp.	215,360	3,362
*^ 22nd Century Group Inc.	1,885,251	3,299
^ Orchids Paper Products Co.	254,554	3,296
Weyco Group Inc.	114,453	3,191
* Lakeland Industries Inc.	206,432	2,993
* New Home Co. Inc.	258,826	2,969
* Delta Apparel Inc.	129,662	2,876
* Black Diamond Inc.	403,894	2,686
*^ Vuzix Corp.	406,195	2,661
Strattec Security Corp.	74,291	2,630
A-Mark Precious Metals Inc.	152,127	2,501
Rocky Brands Inc.	183,158	2,463
* Shiloh Industries Inc.	208,222	2,445
Crown Crafts Inc.	324,287	2,238
*^ New Age Beverages Corp.	426,400	2,187

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	Shares	Market Value (\$000)
Nature's Sunshine Products Inc.	154,008	2,041
*^ Akoustis Technologies Inc.	232,819	2,035
* Turning Point Brands Inc.	132,319	2,030
*^ PolarityTE Inc.	87,197	2,015
* Alliance One International Inc.	139,843	2,014
Escalade Inc.	145,056	1,900
*^ JAKKS Pacific Inc.	474,433	1,898
* Inventure Foods Inc.	422,197	1,820
Acme United Corp.	59,433	1,700
Unique Fabricating Inc.	157,509	1,499
*^ Lipocine Inc.	368,446	1,481
* Natural Alternatives International Inc.	143,089	1,431
Alico Inc.	45,429	1,422
Kewaunee Scientific Corp.	55,565	1,386
* US Auto Parts Network Inc.	421,727	1,362
* Dixie Group Inc.	280,522	1,262
*^ Lifevantage Corp.	276,235	1,196
* Virco Manufacturing Corp.	218,789	1,171
Rocky Mountain Chocolate Factory Inc.	97,315	1,148
*^ S&W Seed Co.	274,141	1,138
* Lifeway Foods Inc.	98,227	917
LS Starrett Co. Class A	101,469	873
* Alpha Pro Tech Ltd.	292,060	862
* Skyline Corp.	141,200	850
* Tandy Leather Factory Inc.	93,919	836
* Cherokee Inc.	114,891	798
* Coffee Holding Co. Inc.	130,802	583
Mannatech Inc.	33,986	540
*^ Nova Lifestyle Inc.	349,661	528
* Willamette Valley Vineyards Inc.	56,933	461
* Reed's Inc.	168,431	413
* Zedge Inc. Class B	144,348	319
* Female Health Co.	298,592	314
* Summer Infant Inc.	149,701	266
*^ Vince Holding Corp.	498,087	234
Stanley Furniture Co. Inc.	188,620	213
* Emerson Radio Corp.	151,209	212
* Charles & Colvard Ltd.	215,341	198
P&F Industries Inc. Class A	19,103	117
*^ Fenix Parts Inc.	204,049	96
CompX International Inc.	5,846	89
* Cyanotech Corp.	23,496	85
* CTI Industries Corp.	14,046	82
* Differential Brands Group Inc.	31,820	64
Ocean Bio-Chem Inc.	13,575	56
* Hovnanian Enterprises Inc. Class B	19,300	54
* Crystal Rock Holdings Inc.	60,050	49
* JRjr33 Inc.	80,833	47
*^ Long Island Iced Tea Corp.	6,400	35
* Koss Corp.	12,072	23
* RiceBran Technologies	22,862	22
* Bridgford Foods Corp.	153	2

55,832,853

Consumer Services (13.0%)

* Amazon.com Inc.	9,355,374	9,056,002
Comcast Corp. Class A	108,903,675	4,238,531
Home Depot Inc.	27,528,391	4,222,855
Walt Disney Co.	34,173,760	3,630,962
McDonald's Corp.	18,761,824	2,873,561
Wal-Mart Stores Inc.	34,917,465	2,642,554
* Priceline Group Inc.	1,129,489	2,112,732
CVS Health Corp.	23,456,997	1,887,350
Starbucks Corp.	31,683,157	1,847,445
Time Warner Inc.	16,920,837	1,699,021

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	Shares	Market Value (\$000)
Walgreens Boots Alliance Inc.	21,148,426	1,656,133
Costco Wholesale Corp.	10,103,315	1,615,823
* Charter Communications Inc. Class A	4,614,719	1,554,468
Lowe's Cos. Inc.	19,720,478	1,528,929
* Netflix Inc.	9,424,638	1,408,135
TJX Cos. Inc.	14,062,974	1,014,925
* eBay Inc.	23,752,461	829,436
Delta Air Lines Inc.	15,137,077	813,467
McKesson Corp.	4,857,103	799,188
Southwest Airlines Co.	12,704,027	789,428
Marriott International Inc. Class A	6,600,207	662,067
Target Corp.	12,656,048	661,785
Twenty-First Century Fox Inc. Class A	22,759,371	645,001
Yum! Brands Inc.	7,961,381	587,231
Las Vegas Sands Corp.	9,149,493	584,561
Carnival Corp.	8,640,768	566,575
Cardinal Health Inc.	7,254,428	565,265
Sysco Corp.	11,131,050	560,226
CBS Corp. Class B	8,279,842	528,088
Ross Stores Inc.	9,042,513	522,024
American Airlines Group Inc.	10,322,917	519,449
Kroger Co.	21,399,905	499,046
* United Continental Holdings Inc.	6,114,872	460,144
* O'Reilly Automotive Inc.	2,096,002	458,479
Dollar General Corp.	6,308,982	454,815
Omnicom Group Inc.	5,404,374	448,023
Royal Caribbean Cruises Ltd.	3,957,522	432,280
Expedia Inc.	2,840,904	423,153
* Ulta Beauty Inc.	1,355,181	389,398
* AutoZone Inc.	655,699	374,050
MGM Resorts International	11,881,601	371,775
* Dollar Tree Inc.	5,147,468	359,911
AmerisourceBergen Corp. Class A	3,766,741	356,070
Best Buy Co. Inc.	6,020,603	345,161
Nielsen Holdings plc	8,202,213	317,098
* DISH Network Corp. Class A	4,965,146	311,613
Whole Foods Market Inc.	7,328,997	308,624
L Brands Inc.	5,573,671	300,365
Hilton Worldwide Holdings Inc.	4,852,419	300,122
Twenty-First Century Fox Inc.	10,597,703	295,358
Viacom Inc. Class B	8,306,712	278,856
* Chipotle Mexican Grill Inc. Class A	658,690	274,081
*^ CarMax Inc.	4,284,370	270,172
Darden Restaurants Inc.	2,850,974	257,842
Tiffany & Co.	2,716,139	254,964
Alaska Air Group Inc.	2,831,513	254,157
Wynn Resorts Ltd.	1,882,188	252,439
Wyndham Worldwide Corp.	2,400,370	241,021
Aramark	5,733,878	234,974
Domino's Pizza Inc.	1,102,818	233,279
* Liberty Interactive Corp. QVC Group Class A	9,323,742	228,805
Interpublic Group of Cos. Inc.	9,043,901	222,480
* Norwegian Cruise Line Holdings Ltd.	3,660,774	198,743
Vail Resorts Inc.	922,849	187,181
Advance Auto Parts Inc.	1,600,035	186,548
^ Sirius XM Holdings Inc.	32,746,965	179,126
* JetBlue Airways Corp.	7,745,474	176,829
* VCA Inc.	1,778,200	164,146
Tractor Supply Co.	2,998,556	162,552
Macy's Inc.	6,985,892	162,352
* Panera Bread Co. Class A	488,784	153,791
^ Kohl's Corp.	3,973,333	153,649
News Corp. Class A	11,180,298	153,170
FactSet Research Systems Inc.	909,375	151,120

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	Shares	Market Value (\$000)
Staples Inc.	14,942,494	150,471
* Liberty Media Corp-Liberty SiriusXM Class C Shares	3,590,367	149,718
Foot Locker Inc.	3,031,380	149,386
* Burlington Stores Inc.	1,614,018	148,474
H&R Block Inc.	4,754,224	146,953
* Copart Inc.	4,508,043	143,311
Service Corp. International	4,128,774	138,107
KAR Auction Services Inc.	3,161,954	132,707
Scripps Networks Interactive Inc. Class A	1,936,584	132,288
Nordstrom Inc.	2,702,851	129,277
* Discovery Communications Inc.	4,927,516	124,223
*^ Liberty Media Corp-Liberty Formula One	3,367,024	123,300
* ServiceMaster Global Holdings Inc.	3,108,761	121,832
Gap Inc.	5,469,020	120,264
Dunkin' Brands Group Inc.	2,100,962	115,805
* Live Nation Entertainment Inc.	3,097,644	107,953
Six Flags Entertainment Corp.	1,755,039	104,618
Signet Jewelers Ltd.	1,593,914	100,799
Bed Bath & Beyond Inc.	3,257,919	99,041
Cinemark Holdings Inc.	2,530,580	98,313
* TripAdvisor Inc.	2,551,743	97,477
Casey's General Stores Inc.	907,817	97,236
Sabre Corp.	4,431,729	96,479
* Liberty Media Corp-Liberty SiriusXM Class A Shares	2,225,900	93,443
^ Cracker Barrel Old Country Store Inc.	555,252	92,866
Rollins Inc.	2,274,858	92,609
* Bright Horizons Family Solutions Inc.	1,177,420	90,909
* Discovery Communications Inc. Class A	3,507,586	90,601
Dun & Bradstreet Corp.	837,682	90,595
Williams-Sonoma Inc.	1,793,845	87,001
* Grand Canyon Education Inc.	1,103,252	86,506
*^ GrubHub Inc.	1,983,445	86,478
* Madison Square Garden Co. Class A	436,744	85,995
* Spirit Airlines Inc.	1,594,665	82,364
Extended Stay America Inc.	4,216,988	81,641
Dick's Sporting Goods Inc.	1,916,758	76,344
Cable One Inc.	106,251	75,534
* Cabela's Inc.	1,257,294	74,708
Texas Roadhouse Inc. Class A	1,455,993	74,183
* AMC Networks Inc. Class A	1,352,974	72,262
Chemed Corp.	350,474	71,682
* Rite Aid Corp.	24,200,769	71,392
TEGNA Inc.	4,939,806	71,183
Jack in the Box Inc.	718,908	70,812
* Liberty Expedia Holdings Inc. Class A	1,294,277	69,917
Tribune Media Co. Class A	1,692,629	69,008
*^ AutoNation Inc.	1,625,675	68,538
ILG Inc.	2,475,827	68,060
Wendy's Co.	4,383,723	67,992
* Sprouts Farmers Market Inc.	2,983,193	67,629
* Beacon Roofing Supply Inc.	1,377,835	67,514
* Sally Beauty Holdings Inc.	3,268,011	66,177
Office Depot Inc.	11,642,212	65,662
* Dave & Buster's Entertainment Inc.	968,452	64,412
Dolby Laboratories Inc. Class A	1,313,616	64,315
Aaron's Inc.	1,645,114	63,995
Graham Holdings Co. Class B	104,623	62,737
*^ Five Below Inc.	1,255,093	61,964
Nexstar Media Group Inc. Class A	1,013,360	60,599
* Murphy USA Inc.	799,396	59,243
Marriott Vacations Worldwide Corp.	495,695	58,368
* Hilton Grand Vacations Inc.	1,592,777	57,436
Sinclair Broadcast Group Inc. Class A	1,744,313	57,388
* Hawaiian Holdings Inc.	1,213,702	56,983

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	Shares	Market Value (\$000)
* Lions Gate Entertainment Corp. Class B	2,163,433	56,855
*^ Stamps.com Inc.	363,965	56,369
John Wiley & Sons Inc. Class A	1,065,968	56,230
*^ Sotheby's	1,027,670	55,155
Churchill Downs Inc.	297,352	54,505
Meredith Corp.	905,679	53,843
Regal Entertainment Group Class A	2,604,145	53,281
Choice Hotels International Inc.	828,616	53,239
New York Times Co. Class A	2,970,668	52,581
PriceSmart Inc.	594,256	52,057
* Yelp Inc. Class A	1,733,998	52,055
* Performance Food Group Co.	1,897,329	51,987
AMERCO	141,061	51,637
Cheesecake Factory Inc.	1,022,915	51,453
* Michaels Cos. Inc.	2,772,838	51,353
* WebMD Health Corp.	860,693	50,480
GameStop Corp. Class A	2,334,847	50,456
* Buffalo Wild Wings Inc.	394,465	49,979
* Caesars Acquisition Co. Class A	2,596,249	49,459
Big Lots Inc.	1,012,175	48,888
Lithia Motors Inc. Class A	516,981	48,715
* Adtalem Global Education Inc.	1,277,086	48,465
* Avis Budget Group Inc.	1,763,421	48,088
Bloomin' Brands Inc.	2,259,238	47,964
Hillenbrand Inc.	1,327,620	47,927
* Ollie's Bargain Outlet Holdings Inc.	1,111,020	47,329
Planet Fitness Inc. Class A	2,016,528	47,066
*^ Pandora Media Inc.	5,211,134	46,483
American Eagle Outfitters Inc.	3,814,490	45,965
*^ Altice USA Inc. Class A	1,418,418	45,815
*^ RH	699,383	45,124
Papa John's International Inc.	627,440	45,025
Boyd Gaming Corp.	1,813,118	44,983
*^ Cars.com Inc.	1,683,324	44,827
* Acxiom Corp.	1,715,593	44,571
Brinker International Inc.	1,166,040	44,426
* Hyatt Hotels Corp. Class A	774,069	43,510
Matthews International Corp. Class A	704,948	43,178
* United Natural Foods Inc.	1,153,601	42,337
Allegiant Travel Co. Class A	304,254	41,257
* SiteOne Landscape Supply Inc.	768,790	40,023
Children's Place Inc.	388,927	39,709
* Penn National Gaming Inc.	1,845,902	39,502
SkyWest Inc.	1,125,124	39,492
* Groupon Inc. Class A	9,487,200	36,431
^ Lions Gate Entertainment Corp. Class A	1,279,276	36,101
Red Rock Resorts Inc. Class A	1,513,633	35,646
* Shutterfly Inc.	747,196	35,492
*^ Etsy Inc.	2,318,306	34,775
Penske Automotive Group Inc.	788,274	34,613
* Urban Outfitters Inc.	1,856,370	34,417
Core-Mark Holding Co. Inc.	1,034,461	34,199
Morningstar Inc.	416,392	32,620
Bob Evans Farms Inc.	453,941	32,607
* MSG Networks Inc.	1,418,581	31,847
* Scientific Games Corp. Class A	1,215,152	31,715
* Trade Desk Inc. Class A	621,842	31,160
* Houghton Mifflin Harcourt Co.	2,530,502	31,125
*^ JC Penney Co. Inc.	6,580,414	30,599
* Rush Enterprises Inc. Class A	821,489	30,543
Monro Muffler Brake Inc.	727,087	30,356
* TrueCar Inc.	1,509,819	30,091
Time Inc.	2,068,867	29,688
Group 1 Automotive Inc.	463,850	29,371

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	Shares	Market Value (\$000)
Chico's FAS Inc.	3,018,220	28,432
* La Quinta Holdings Inc.	1,895,681	27,999
DSW Inc. Class A	1,532,039	27,117
* Belmond Ltd. Class A	1,996,795	26,557
Caleres Inc.	950,982	26,418
AMC Entertainment Holdings Inc. Class A	1,136,904	25,865
^ SeaWorld Entertainment Inc.	1,565,950	25,478
* Asbury Automotive Group Inc.	442,982	25,051
Gannett Co. Inc.	2,794,952	24,372
* Pinnacle Entertainment Inc.	1,222,158	24,150
Sonic Corp.	907,804	24,048
HSN Inc.	750,020	23,926
Scholastic Corp.	548,733	23,919
* EW Scripps Co. Class A	1,335,404	23,784
*^ Liberty Media Corp-Liberty Formula One Class A	674,725	23,636
Capella Education Co.	270,468	23,152
International Speedway Corp. Class A	608,776	22,860
* Eldorado Resorts Inc.	1,119,836	22,397
Strayer Education Inc.	240,199	22,391
* Herc Holdings Inc.	566,999	22,294
* SUPERVALU Inc.	6,680,984	21,980
*^ Weight Watchers International Inc.	656,021	21,924
SpartanNash Co.	824,755	21,411
*^ Chegg Inc.	1,724,063	21,189
Abercrombie & Fitch Co.	1,681,625	20,919
* Gray Television Inc.	1,522,534	20,859
^ Dillard's Inc. Class A	359,343	20,730
* Red Robin Gourmet Burgers Inc.	314,954	20,551
^ Wingstop Inc.	644,951	19,929
* Liberty Media Corp-Liberty Braves	819,275	19,638
* Liberty TripAdvisor Holdings Inc. Class A	1,677,476	19,459
* Denny's Corp.	1,617,140	19,034
*^ Quotient Technology Inc.	1,618,948	18,618
ClubCorp Holdings Inc.	1,410,809	18,482
DineEquity Inc.	414,821	18,273
PetMed Express Inc.	446,639	18,134
Guess? Inc.	1,372,539	17,541
* BJ's Restaurants Inc.	468,538	17,453
World Wrestling Entertainment Inc. Class A	829,610	16,899
New Media Investment Group Inc.	1,236,921	16,674
* Caesars Entertainment Corp.	1,377,136	16,526
* Genesco Inc.	484,068	16,410
*^ Lumber Liquidators Holdings Inc.	642,961	16,113
Tile Shop Holdings Inc.	770,023	15,901
* Diplomat Pharmacy Inc.	1,051,381	15,560
Ruth's Hospitality Group Inc.	710,950	15,463
*^ Hertz Global Holdings Inc.	1,330,653	15,302
Rent-A-Center Inc.	1,293,490	15,160
*^ Shake Shack Inc. Class A	426,167	14,865
* Career Education Corp.	1,544,675	14,829
* SP Plus Corp.	464,600	14,194
* K12 Inc.	787,561	14,113
* Providence Service Corp.	274,860	13,911
* Laureate Education Inc. Class A	760,224	13,327
Finish Line Inc. Class A	939,614	13,314
^ GNC Holdings Inc. Class A	1,565,589	13,198
Marcus Corp.	428,022	12,926
^ Tailored Brands Inc.	1,154,768	12,887
Weis Markets Inc.	252,042	12,279
MDC Partners Inc. Class A	1,227,921	12,156
* MarineMax Inc.	618,835	12,098
*^ Party City Holdco Inc.	739,911	11,580
*^ Hibbett Sports Inc.	555,462	11,526
Sonic Automotive Inc. Class A	574,840	11,181

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	Shares	Market Value (\$000)
National CineMedia Inc.	1,500,682	11,135
Ingles Markets Inc. Class A	327,035	10,890
* Del Taco Restaurants Inc.	787,683	10,831
* XO Group Inc.	614,493	10,827
Buckle Inc.	606,942	10,804
* Bankrate Inc.	833,126	10,706
Entravision Communications Corp. Class A	1,621,087	10,699
Barnes & Noble Inc.	1,395,349	10,605
* Express Inc.	1,564,858	10,563
* Francesca's Holdings Corp.	937,876	10,260
* Fiesta Restaurant Group Inc.	495,034	10,222
* Carrols Restaurant Group Inc.	821,607	10,065
Haverty Furniture Cos. Inc.	397,190	9,969
* Biglari Holdings Inc.	24,869	9,941
* Angie's List Inc.	774,604	9,907
Pier 1 Imports Inc.	1,908,219	9,904
Cato Corp. Class A	558,022	9,816
*^ Ascena Retail Group Inc.	4,536,143	9,753
*^ Trupanion Inc.	422,129	9,447
* Chuy's Holdings Inc.	398,018	9,314
Carriage Services Inc. Class A	338,557	9,127
* Del Frisco's Restaurant Group Inc.	547,340	8,812
* Barnes & Noble Education Inc.	819,116	8,707
* Regis Corp.	839,845	8,625
* American Public Education Inc.	358,602	8,481
Emerald Expositions Events Inc.	377,442	8,266
* Monarch Casino & Resort Inc.	269,732	8,159
^ Fred's Inc. Class A	877,031	8,095
* Intrawest Resorts Holdings Inc.	340,162	8,075
* Care.com Inc.	518,924	7,836
News Corp. Class B	543,866	7,696
* 1-800-Flowers.com Inc. Class A	784,554	7,649
* Clean Energy Fuels Corp.	2,969,936	7,544
* tronc Inc.	564,652	7,278
*^ America's Car-Mart Inc.	186,739	7,264
RCI Hospitality Holdings Inc.	296,559	7,070
* Titan Machinery Inc.	391,431	7,038
* Potbelly Corp.	594,688	6,839
^ Big 5 Sporting Goods Corp.	521,762	6,809
* Bojangles' Inc.	416,423	6,767
*^ Conn's Inc.	336,307	6,423
* Chefs' Warehouse Inc.	493,357	6,414
* Overstock.com Inc.	383,536	6,252
Winmark Corp.	48,421	6,244
*^ Smart & Final Stores Inc.	679,964	6,188
*^ Carvana Co.	300,962	6,161
Shoe Carnival Inc.	293,185	6,122
^ Entercom Communications Corp. Class A	565,324	5,851
Citi Trends Inc.	275,562	5,847
*^ Sears Holdings Corp.	645,999	5,724
* J Alexander's Holdings Inc.	466,456	5,714
* FTD Cos. Inc.	285,230	5,705
* At Home Group Inc.	234,379	5,459
^ Natural Health Trends Corp.	191,872	5,344
* Lindblad Expeditions Holdings Inc.	506,469	5,318
* Zumiez Inc.	427,743	5,283
* Vitamin Shoppe Inc.	445,783	5,193
* Liberty Media Corp-Liberty Braves	214,085	5,114
* Rubicon Project Inc.	977,163	5,023
*^ Duluth Holdings Inc.	272,858	4,969
* Bridgepoint Education Inc.	331,392	4,891
*^ Zoe's Kitchen Inc.	409,167	4,873
* Golden Entertainment Inc.	222,276	4,603
Village Super Market Inc. Class A	176,551	4,576

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	Shares	Market Value (\$000)
* Reading International Inc. Class A	275,292	4,440
Speedway Motorsports Inc.	242,771	4,435
*^ Daily Journal Corp.	21,340	4,402
CSS Industries Inc.	154,313	4,037
*^ Sportsman's Warehouse Holdings Inc.	743,514	4,015
Clear Channel Outdoor Holdings Inc. Class A	825,901	4,006
* Nathan's Famous Inc.	61,089	3,849
West Marine Inc.	297,630	3,825
* Habit Restaurants Inc. Class A	241,130	3,810
* Global Eagle Entertainment Inc.	1,047,406	3,729
* PCM Inc.	198,139	3,715
* Build-A-Bear Workshop Inc.	350,275	3,660
* Kirkland's Inc.	339,649	3,492
* Autobyte Inc.	262,951	3,316
Saga Communications Inc. Class A	71,295	3,262
*^ Lands' End Inc.	214,399	3,195
* TechTarget Inc.	304,451	3,157
* Drive Shack Inc.	997,810	3,143
* Avid Technology Inc.	594,385	3,126
* Fogo De Chao Inc.	224,316	3,118
Collectors Universe Inc.	123,872	3,078
* Ascent Capital Group Inc. Class A	199,032	3,057
* Hemisphere Media Group Inc. Class A	246,659	2,923
* Century Casinos Inc.	396,483	2,922
* Marchex Inc. Class B	942,426	2,808
* Gaia Inc. Class A	242,959	2,721
* Liquidity Services Inc.	425,774	2,704
* Ruby Tuesday Inc.	1,270,968	2,555
* QuinStreet Inc.	588,314	2,453
*^ Inspired Entertainment Inc.	186,218	2,421
AH Belo Corp. Class A	419,625	2,308
* Container Store Group Inc.	377,018	2,232
* Lee Enterprises Inc.	1,110,959	2,111
* Red Lion Hotels Corp.	280,083	2,059
* El Pollo Loco Holdings Inc.	145,596	2,016
YuMe Inc.	418,968	1,969
*^ Tuesday Morning Corp.	985,841	1,873
*^ Natural Grocers by Vitamin Cottage Inc.	217,020	1,795
* Town Sports International Holdings Inc.	378,981	1,781
* Townsquare Media Inc. Class A	173,867	1,780
* Blue Apron Holdings Inc. Class A	186,039	1,738
* Travelzoo	152,382	1,669
* Leaf Group Ltd.	213,369	1,664
Wayside Technology Group Inc.	82,067	1,588
*^ Boot Barn Holdings Inc.	219,126	1,551
* RealNetworks Inc.	354,698	1,536
Peak Resorts Inc.	353,521	1,449
* Destination XL Group Inc.	576,476	1,355
* Urban One Inc.	571,863	1,287
* Cambium Learning Group Inc.	248,408	1,259
Salem Media Group Inc. Class A	171,361	1,217
Tilly's Inc. Class A	119,549	1,213
* Stage Stores Inc.	581,485	1,209
* EVINE Live Inc.	1,180,565	1,181
* McClatchy Co. Class A	122,966	1,148
* Stein Mart Inc.	647,639	1,095
*^ Noodles & Co. Class A	277,204	1,081
Liberty Tax Inc.	77,519	1,004
*^ Papa Murphy's Holdings Inc.	227,535	994
* Luby's Inc.	302,362	850
* Nevada Gold & Casinos Inc.	313,955	703
*^ Remark Holdings Inc.	230,267	645
*^ Kona Grill Inc.	152,775	565
* Good Times Restaurants Inc.	153,644	545

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	Shares	Market Value (\$000)
* Destination Maternity Corp.	167,111	541
Ark Restaurants Corp.	21,210	517
* New York & Co. Inc.	373,504	515
* Bravo Brio Restaurant Group Inc.	111,686	514
* Full House Resorts Inc.	206,195	503
* Profire Energy Inc.	353,189	459
*^ Digital Turbine Inc.	430,786	444
National American University Holdings Inc.	171,618	434
* ONE Group Hospitality Inc.	165,077	358
* CafePress Inc.	128,798	334
* Dover Downs Gaming & Entertainment Inc.	298,523	331
Emmis Communications Corp. Class A	109,373	315
* Famous Dave's of America Inc.	86,205	315
* TheStreet Inc.	355,603	295
^ Live Ventures Inc.	27,874	295
* Rush Enterprises Inc. Class B	6,949	253
*^ Spark Networks Inc.	263,550	253
* Harte-Hanks Inc.	242,762	250
*^ Rave Restaurant Group Inc.	100,927	204
Value Line Inc.	9,438	173
Flanigan's Enterprises Inc.	5,174	150
^ bebe stores inc	23,972	142
^ Educational Development Corp.	12,522	133
*^ Cumulus Media Inc. Class A	257,942	116
* Diversified Restaurant Holdings Inc.	41,720	108
*^ Bon-Ton Stores Inc.	225,465	99
Insignia Systems Inc.	87,240	91
* Christopher & Banks Corp.	64,564	85
* VistaGen Therapeutics Inc.	34,555	65
Haverty Furniture Cos. Inc. Class A	1,375	34
* NTN Buzztime Inc.	4,842	33
*^ Net Element Inc.	49,473	32
*^ WeCast Network Inc.	16,045	28
* SPAR Group Inc.	19,446	20
Beasley Broadcast Group Inc. Class A	1,610	16
*^ Sears Hometown and Outlet Stores Inc.	5,600	15
Viacom Inc. Class A	300	11
* MaxPoint Interactive Inc.	1,162	9
* Universal Travel Group	42,843	7
* Genius Brands International Inc.	1,430	5
* Social Reality Inc.	2,782	3
* Urban One Inc. Class A	950	2
		75,334,894

Financials (20.4%)

JPMorgan Chase & Co.	81,849,498	7,481,044
* Berkshire Hathaway Inc. Class B	43,189,943	7,315,081
Wells Fargo & Co.	103,615,142	5,741,315
Bank of America Corp.	229,168,479	5,559,627
Citigroup Inc.	63,394,487	4,239,823
Visa Inc. Class A	42,493,554	3,985,045
Mastercard Inc. Class A	21,900,088	2,659,766
US Bancorp	36,988,281	1,920,432
Goldman Sachs Group Inc.	8,152,102	1,808,951
Chubb Ltd.	10,219,631	1,485,730
American Express Co.	17,604,110	1,482,970
Morgan Stanley	32,131,571	1,431,783
PNC Financial Services Group Inc.	11,174,563	1,395,368
American International Group Inc.	21,184,034	1,324,426
American Tower Corporation	9,794,579	1,296,019
Charles Schwab Corp.	27,711,528	1,190,487
Bank of New York Mellon Corp.	22,969,347	1,171,896
Simon Property Group Inc.	7,210,593	1,166,386
BlackRock Inc.	2,730,248	1,153,284
MetLife Inc.	19,871,441	1,091,737

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	Shares	Market Value (\$000)
Prudential Financial Inc.	9,858,176	1,066,063
CME Group Inc.	7,437,686	931,496
Marsh & McLennan Cos. Inc.	11,863,444	924,874
Capital One Financial Corp.	11,046,306	912,646
Intercontinental Exchange Inc.	13,681,364	901,876
S&P Global Inc.	5,953,585	869,164
BB&T Corp.	18,683,428	848,414
Crown Castle International Corp.	8,432,801	844,798
Travelers Cos. Inc.	6,416,789	811,916
Aon plc	6,040,294	803,057
Equinix Inc.	1,794,539	770,144
State Street Corp.	8,322,725	746,798
Allstate Corp.	8,378,015	740,952
Aflac Inc.	9,267,437	719,894
Prologis Inc.	12,189,324	714,782
Public Storage	3,406,445	710,346
SunTrust Banks Inc.	11,268,393	639,143
Welltower Inc.	8,429,838	630,973
AvalonBay Communities Inc.	3,177,828	610,683
Progressive Corp.	13,377,687	589,822
Weyerhaeuser Co.	17,291,827	579,276
Ventas Inc.	8,169,475	567,615
Equity Residential	8,435,767	555,327
Synchrony Financial	18,602,064	554,714
Discover Financial Services	8,827,119	548,959
M&T Bank Corp.	3,204,145	518,911
Northern Trust Corp.	5,019,672	487,962
KeyCorp	25,207,067	472,380
Moody's Corp.	3,746,244	455,843
Hartford Financial Services Group Inc.	8,655,686	455,029
Fifth Third Bancorp	17,325,685	449,775
Ameriprise Financial Inc.	3,525,572	448,770
Boston Properties Inc.	3,537,734	435,212
Willis Towers Watson plc	2,981,473	433,685
Principal Financial Group Inc.	6,626,854	424,583
Citizens Financial Group Inc.	11,736,521	418,759
Digital Realty Trust Inc.	3,677,465	415,370
Regions Financial Corp.	28,190,263	412,705
T. Rowe Price Group Inc.	5,307,205	393,848
Essex Property Trust Inc.	1,513,948	389,493
Equifax Inc.	2,759,982	379,277
* SBA Communications Corp. Class A	2,789,595	376,316
Vornado Realty Trust	3,908,373	366,996
First Republic Bank	3,632,278	363,591
* IHS Markit Ltd.	7,979,191	351,404
Franklin Resources Inc.	7,789,995	348,914
Lincoln National Corp.	5,141,056	347,433
Realty Income Corp.	6,275,196	346,265
HCP Inc.	10,763,687	344,007
Huntington Bancshares Inc.	24,964,685	337,523
GGP Inc.	14,190,793	334,335
Invesco Ltd.	9,326,467	328,198
Host Hotels & Resorts Inc.	16,972,939	310,096
Loews Corp.	6,618,379	309,806
* Markel Corp.	306,828	299,421
Comerica Inc.	4,053,778	296,899
Annaly Capital Management Inc.	23,566,899	283,981
Mid-America Apartment Communities Inc.	2,616,107	275,685
FNF Group	5,960,296	267,200
XL Group Ltd.	6,078,758	266,250
* Arch Capital Group Ltd.	2,839,243	264,873
TD Ameritrade Holding Corp.	6,076,954	261,248
Cincinnati Financial Corp.	3,590,760	260,151
* Liberty Broadband Corp.	2,905,205	252,027

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	Shares	Market Value (\$000)
Alexandria Real Estate Equities Inc.	2,089,966	251,778
* Berkshire Hathaway Inc. Class A	981	249,861
SL Green Realty Corp.	2,325,257	246,012
Unum Group	5,219,542	243,387
UDR Inc.	6,173,354	240,576
E*TRADE Financial Corp.	6,307,844	239,887
* CBRE Group Inc. Class A	6,569,152	239,117
Raymond James Financial Inc.	2,972,700	238,470
Arthur J Gallagher & Co.	4,101,548	234,814
Duke Realty Corp.	8,167,936	228,294
Ally Financial Inc.	10,764,381	224,976
MSCI Inc. Class A	2,094,771	215,740
Affiliated Managers Group Inc.	1,299,180	215,482
CBOE Holdings Inc.	2,343,848	214,228
Extra Space Storage Inc.	2,744,445	214,067
* SVB Financial Group	1,204,888	211,807
Western Union Co.	11,011,601	209,771
Federal Realty Investment Trust	1,654,331	209,091
Regency Centers Corp.	3,322,221	208,104
* Alleghany Corp.	341,588	203,177
Zions Bancorporation	4,615,603	202,671
Iron Mountain Inc.	5,778,670	198,555
Torchmark Corp.	2,560,164	195,853
East West Bancorp Inc.	3,319,562	194,460
Macerich Co.	3,288,474	190,929
Nasdaq Inc.	2,661,058	190,239
Reinsurance Group of America Inc. Class A	1,480,120	190,033
VEREIT Inc.	22,588,056	183,867
Everest Re Group Ltd.	706,089	179,763
SEI Investments Co.	3,292,577	177,075
AGNC Investment Corp.	8,163,775	173,807
Camden Property Trust	2,016,344	172,418
* Signature Bank	1,191,528	171,020
Colony NorthStar Inc. Class A	12,075,082	170,138
Kimco Realty Corp.	9,270,508	170,114
Kilroy Realty Corp.	2,252,386	169,267
MarketAxess Holdings Inc.	824,607	165,828
WP Carey Inc.	2,464,050	162,652
* CIT Group Inc.	3,336,516	162,488
Voya Financial Inc.	4,350,026	160,472
Equity LifeStyle Properties Inc.	1,855,064	160,166
American Financial Group Inc.	1,596,541	158,648
Gaming and Leisure Properties Inc.	4,109,548	154,807
Apartment Investment & Management Co.	3,596,179	154,528
* Omega Healthcare Investors Inc.	4,482,124	148,000
WR Berkley Corp.	2,110,893	146,010
American Campus Communities Inc.	3,086,552	145,994
Sun Communities Inc.	1,628,332	142,788
Lamar Advertising Co. Class A	1,911,652	140,640
New York Community Bancorp Inc.	10,635,157	139,640
People's United Financial Inc.	7,899,124	139,499
Lazard Ltd. Class A	2,989,252	138,492
Liberty Property Trust	3,359,301	136,757
Healthcare Trust of America Inc. Class A	4,373,274	136,053
Forest City Realty Trust Inc. Class A	5,558,070	134,339
Starwood Property Trust Inc.	5,971,609	133,704
National Retail Properties Inc.	3,411,961	133,408
Assurant Inc.	1,271,716	131,864
Bank of the Ozarks	2,795,470	131,024
RenaissanceRe Holdings Ltd.	940,363	130,757
Axis Capital Holdings Ltd.	2,009,418	129,929
Jones Lang LaSalle Inc.	1,033,919	129,240
PacWest Bancorp	2,757,172	128,760
Douglas Emmett Inc.	3,349,451	127,983

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	Shares	Market Value (\$000)
* Janus Henderson Group plc	3,829,969	126,810
Cullen/Frost Bankers Inc.	1,328,464	124,756
Assured Guaranty Ltd.	2,983,347	124,525
Brixmor Property Group Inc.	6,957,977	124,409
* Zillow Group Inc.	2,497,666	122,411
Commerce Bancshares Inc.	2,151,057	122,245
Hudson Pacific Properties Inc.	3,569,613	122,045
Highwoods Properties Inc.	2,358,164	119,582
* Athene Holding Ltd. Class A	2,387,808	118,459
EPR Properties	1,645,597	118,269
Eaton Vance Corp.	2,498,739	118,240
Synovus Financial Corp.	2,670,548	118,145
Navient Corp.	6,924,732	115,297
American Homes 4 Rent Class A	5,039,395	113,739
First American Financial Corp.	2,535,712	113,321
Brown & Brown Inc.	2,630,275	113,286
DCT Industrial Trust Inc.	2,115,171	113,035
Senior Housing Properties Trust	5,478,986	111,990
Old Republic International Corp.	5,713,709	111,589
DuPont Fabros Technology Inc.	1,800,470	110,117
Webster Financial Corp.	2,106,118	109,981
Hospitality Properties Trust	3,763,996	109,720
New Residential Investment Corp.	6,974,093	108,517
* Western Alliance Bancorp	2,194,810	107,985
CyrusOne Inc.	1,906,158	106,268
Medical Properties Trust Inc.	8,252,028	106,204
Pinnacle Financial Partners Inc.	1,683,809	105,743
Realogy Holdings Corp.	3,246,134	105,337
FNB Corp.	7,284,755	103,152
Gramercy Property Trust	3,466,723	102,996
Popular Inc.	2,437,814	101,681
* Howard Hughes Corp.	826,091	101,477
Allied World Assurance Co. Holdings AG	1,911,988	101,144
CubeSmart	4,114,949	98,923
Colony Starwood Homes	2,863,157	98,235
Prosperity Bancshares Inc.	1,528,809	98,211
Uniti Group Inc.	3,835,550	96,426
IBERIABANK Corp.	1,174,627	95,732
* Liberty Ventures Class A	1,818,387	95,083
* MGIC Investment Corp.	8,478,140	94,955
Hancock Holding Co.	1,933,233	94,728
Wintrust Financial Corp.	1,230,544	94,063
Umpqua Holdings Corp.	5,089,764	93,448
First Horizon National Corp.	5,276,360	91,914
Healthcare Realty Trust Inc.	2,688,520	91,813
Apple Hospitality REIT Inc.	4,882,858	91,358
Investors Bancorp Inc.	6,832,353	91,280
Validus Holdings Ltd.	1,749,216	90,907
* Equity Commonwealth	2,875,849	90,877
United Bankshares Inc.	2,295,381	89,979
Associated Banc-Corp	3,493,237	88,030
STORE Capital Corp.	3,913,787	87,865
* Texas Capital Bancshares Inc.	1,133,342	87,721
Park Hotels & Resorts Inc.	3,212,663	86,613
Hanover Insurance Group Inc.	965,152	85,541
Rayonier Inc.	2,964,170	85,279
GEO Group Inc.	2,883,174	85,255
Cousins Properties Inc.	9,632,716	84,672
Weingarten Realty Investors	2,775,016	83,528
Bank of Hawaii Corp.	1,003,357	83,249
Physicians Realty Trust	4,089,026	82,353
LPL Financial Holdings Inc.	1,934,360	82,133
CNO Financial Group Inc.	3,931,947	82,099
Spirit Realty Capital Inc.	11,057,041	81,933

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	Shares	Market Value (\$000)
CoreSite Realty Corp.	785,447	81,317
BankUnited Inc.	2,408,313	81,184
MB Financial Inc.	1,835,855	80,851
Sunstone Hotel Investors Inc.	5,010,959	80,777
Radian Group Inc.	4,931,796	80,635
Two Harbors Investment Corp.	8,061,019	79,885
Primerica Inc.	1,044,468	79,118
Chemical Financial Corp.	1,630,893	78,952
Corporate Office Properties Trust	2,251,415	78,867
Life Storage Inc.	1,063,695	78,820
UMB Financial Corp.	1,049,866	78,593
Taubman Centers Inc.	1,307,144	77,840
Legg Mason Inc.	2,009,994	76,701
LaSalle Hotel Properties	2,569,233	76,563
First Industrial Realty Trust Inc.	2,674,963	76,557
Chimera Investment Corp.	4,099,848	76,380
Fulton Financial Corp.	3,995,550	75,915
MFA Financial Inc.	8,959,983	75,174
CoreCivic Inc.	2,712,100	74,800
Empire State Realty Trust Inc.	3,594,540	74,659
White Mountains Insurance Group Ltd.	85,878	74,596
ProAssurance Corp.	1,224,115	74,426
Outfront Media Inc.	3,170,070	73,292
Home BancShares Inc.	2,935,159	73,085
Erie Indemnity Co. Class A	576,122	72,056
Piedmont Office Realty Trust Inc. Class A	3,386,963	71,397
Paramount Group Inc.	4,416,702	70,667
National Health Investors Inc.	890,645	70,539
Aspen Insurance Holdings Ltd.	1,401,802	69,880
Brandywine Realty Trust	3,967,083	69,543
Valley National Bancorp	5,793,146	68,417
Sterling Bancorp	2,931,240	68,151
* Stifel Financial Corp.	1,470,254	67,602
* Credit Acceptance Corp.	262,098	67,396
Selective Insurance Group Inc.	1,332,726	66,703
Washington Federal Inc.	1,997,015	66,301
Cathay General Bancorp	1,742,215	66,117
Retail Properties of America Inc.	5,372,508	65,598
DDR Corp.	7,167,095	65,006
Education Realty Trust Inc.	1,673,918	64,864
Glacier Bancorp Inc.	1,762,222	64,515
Blackstone Mortgage Trust Inc. Class A	2,037,878	64,397
BGC Partners Inc. Class A	5,092,311	64,367
First Financial Bankshares Inc.	1,455,164	64,318
Ryman Hospitality Properties Inc.	994,988	63,689
Columbia Property Trust Inc.	2,831,662	63,373
FirstCash Inc.	1,080,681	63,004
* Essent Group Ltd.	1,684,607	62,566
Community Bank System Inc.	1,098,402	61,258
EastGroup Properties Inc.	728,462	61,045
Federated Investors Inc. Class B	2,095,170	59,189
PS Business Parks Inc.	446,870	59,161
* SLM Corp.	5,139,518	59,104
BancorpSouth Inc.	1,926,323	58,753
First Citizens BancShares Inc. Class A	157,614	58,743
Tanger Factory Outlet Centers Inc.	2,158,501	56,078
TCF Financial Corp.	3,509,793	55,946
South State Corp.	652,683	55,935
* Blackhawk Network Holdings Inc.	1,271,223	55,425
Hope Bancorp Inc.	2,968,535	55,363
Great Western Bancorp Inc.	1,354,596	55,281
* HealthEquity Inc.	1,097,255	54,676
STAG Industrial Inc.	1,980,641	54,666
Interactive Brokers Group Inc.	1,458,499	54,577

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	Shares	Market Value (\$000)
Washington REIT	1,709,204	54,524
* Zillow Group Inc. Class A	1,102,287	53,836
Old National Bancorp	3,118,876	53,801
Columbia Banking System Inc.	1,349,961	53,796
CVB Financial Corp.	2,385,439	53,505
RLJ Lodging Trust	2,676,832	53,189
Acadia Realty Trust	1,910,493	53,112
Evercore Partners Inc. Class A	745,616	52,566
Urban Edge Properties	2,205,325	52,332
RLI Corp.	954,996	52,162
^ Pebblebrook Hotel Trust	1,614,324	52,046
Care Capital Properties Inc.	1,890,598	50,479
Mack-Cali Realty Corp.	1,856,486	50,385
First Midwest Bancorp Inc.	2,146,451	50,034
American Equity Investment Life Holding Co.	1,901,801	49,979
DiamondRock Hospitality Co.	4,490,364	49,169
* HRG Group Inc.	2,741,610	48,554
QTS Realty Trust Inc. Class A	923,991	48,352
Retail Opportunity Investments Corp.	2,517,445	48,310
Trustmark Corp.	1,490,941	47,949
Financial Engines Inc.	1,296,028	47,435
American National Insurance Co.	406,361	47,337
Invitation Homes Inc.	2,187,260	47,310
Xenia Hotels & Resorts Inc.	2,430,522	47,079
LTC Properties Inc.	915,617	47,054
* LendingClub Corp.	8,385,111	46,202
International Bancshares Corp.	1,318,133	46,201
BOK Financial Corp.	548,957	46,184
Hilltop Holdings Inc.	1,744,444	45,722
* Eagle Bancorp Inc.	720,900	45,633
Summit Hotel Properties Inc.	2,415,542	45,050
Potlatch Corp.	977,469	44,670
Invesco Mortgage Capital Inc.	2,645,586	44,208
Apollo Commercial Real Estate Finance Inc.	2,371,081	43,984
* Genworth Financial Inc. Class A	11,637,882	43,875
Alexander & Baldwin Inc.	1,060,223	43,872
United Community Banks Inc.	1,549,066	43,064
Renasant Corp.	980,501	42,887
Banner Corp.	749,404	42,349
Lexington Realty Trust	4,236,962	41,988
Astoria Financial Corp.	2,077,840	41,868
Rexford Industrial Realty Inc.	1,511,415	41,473
Kennedy-Wilson Holdings Inc.	2,156,423	41,080
Towne Bank	1,321,262	40,695
Capitol Federal Financial Inc.	2,862,412	40,675
* Green Dot Corp. Class A	1,053,263	40,582
^ Government Properties Income Trust	2,213,435	40,528
* PRA Group Inc.	1,064,730	40,353
* FCB Financial Holdings Inc. Class A	831,553	39,707
Ameris Bancorp	822,664	39,652
* Enstar Group Ltd.	199,413	39,613
* Quality Care Properties Inc.	2,161,791	39,582
Independent Bank Corp.	592,246	39,473
Argo Group International Holdings Ltd.	646,656	39,187
ServisFirst Bancshares Inc.	1,054,920	38,916
First Merchants Corp.	964,838	38,729
WesBanco Inc.	974,183	38,519
Kite Realty Group Trust	2,022,499	38,286
First Financial Bancorp	1,365,071	37,812
NBT Bancorp Inc.	1,013,925	37,465
Four Corners Property Trust Inc.	1,480,039	37,164
Monogram Residential Trust Inc.	3,826,696	37,157
LegacyTexas Financial Group Inc.	973,708	37,127
Washington Prime Group Inc.	4,360,782	36,500

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	Shares	Market Value (\$000)
First Hawaiian Inc.	1,191,903	36,496
Terreno Realty Corp.	1,077,735	36,277
^ Waddell & Reed Financial Inc. Class A	1,875,549	35,410
American Assets Trust Inc.	897,713	35,361
Kemper Corp.	909,292	35,099
Select Income REIT	1,455,218	34,969
Mercury General Corp.	645,091	34,835
Provident Financial Services Inc.	1,371,457	34,808
Simmons First National Corp. Class A	657,126	34,762
^ CBL & Associates Properties Inc.	4,118,979	34,723
Horace Mann Educators Corp.	913,118	34,516
Union Bankshares Corp.	1,014,911	34,405
Northwest Bancshares Inc.	2,184,473	34,100
^ Sabra Health Care REIT Inc.	1,392,434	33,558
Global Net Lease Inc.	1,500,794	33,378
Chesapeake Lodging Trust	1,363,860	33,374
* Santander Consumer USA Holdings Inc.	2,610,818	33,314
WSFS Financial Corp.	725,071	32,882
Artisan Partners Asset Management Inc. Class A	1,070,573	32,867
New York REIT Inc.	3,751,158	32,410
Park National Corp.	311,160	32,274
Westamerica Bancorporation	575,842	32,270
* OneMain Holdings Inc. Class A	1,308,855	32,185
CareTrust REIT Inc.	1,718,779	31,866
CYS Investments Inc.	3,753,872	31,570
Navigators Group Inc.	574,343	31,531
Berkshire Hills Bancorp Inc.	895,988	31,494
* Walker & Dunlop Inc.	644,303	31,461
*^ BofI Holding Inc.	1,303,783	30,926
*^ LendingTree Inc.	179,376	30,889
HFF Inc. Class A	858,439	29,848
Redwood Trust Inc.	1,739,462	29,640
* KCG Holdings Inc. Class A	1,474,948	29,410
* MBIA Inc.	3,091,178	29,150
Employers Holdings Inc.	688,115	29,107
Universal Health Realty Income Trust	363,827	28,939
* Pacific Premier Bancorp Inc.	782,322	28,868
S&T Bancorp Inc.	803,104	28,799
Agree Realty Corp.	617,145	28,308
CenterState Banks Inc.	1,125,936	27,991
Boston Private Financial Holdings Inc.	1,822,731	27,979
Kearny Financial Corp.	1,843,286	27,373
WisdomTree Investments Inc.	2,667,208	27,125
PennyMac Mortgage Investment Trust	1,474,973	26,977
*^ Black Knight Financial Services Inc. Class A	654,137	26,787
Franklin Street Properties Corp.	2,409,696	26,699
First Commonwealth Financial Corp.	2,072,615	26,281
Tompkins Financial Corp.	332,739	26,193
Heartland Financial USA Inc.	552,944	26,044
Hannon Armstrong Sustainable Infrastructure Capital Inc.	1,112,747	25,449
Lakeland Financial Corp.	550,330	25,249
NRG Yield Inc.	1,418,584	24,967
Beneficial Bancorp Inc.	1,658,217	24,873
Monmouth Real Estate Investment Corp.	1,636,282	24,626
Capital Bank Financial Corp.	644,427	24,553
^ Banc of California Inc.	1,137,337	24,453
Capstead Mortgage Corp.	2,298,852	23,977
Brookline Bancorp Inc.	1,635,916	23,884
^ ARMOUR Residential REIT Inc.	948,397	23,710
AmTrust Financial Services Inc.	1,557,415	23,579
* FNFV Group	1,489,338	23,532
Moelis & Co. Class A	605,282	23,515
AMERISAFE Inc.	411,192	23,417
National General Holdings Corp.	1,095,136	23,107

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	Shares	Market Value (\$000)
Stewart Information Services Corp.	508,503	23,076
Ramco-Gershenson Properties Trust	1,783,318	23,005
* First BanCorp	3,968,135	22,975
National Storage Affiliates Trust	991,946	22,924
* St. Joe Co.	1,222,015	22,913
Infinity Property & Casualty Corp.	242,865	22,829
TFS Financial Corp.	1,470,692	22,752
*^ Encore Capital Group Inc.	564,561	22,667
First Interstate BancSystem Inc. Class A	608,860	22,650
State Bank Financial Corp.	833,925	22,616
FelCor Lodging Trust Inc.	3,117,816	22,479
Parkway Inc.	981,644	22,470
Southside Bancshares Inc.	642,681	22,455
Safety Insurance Group Inc.	328,655	22,447
First Busey Corp.	764,759	22,423
RE/MAX Holdings Inc. Class A	399,651	22,400
City Holding Co.	339,501	22,363
Sandy Spring Bancorp Inc.	532,930	21,669
* Seacoast Banking Corp. of Florida	889,806	21,444
Central Pacific Financial Corp.	678,102	21,340
Independent Bank Group Inc.	358,577	21,335
Nelnet Inc. Class A	451,182	21,210
National Bank Holdings Corp. Class A	623,011	20,628
Alexander's Inc.	48,932	20,623
United Fire Group Inc.	465,287	20,501
* iStar Inc.	1,696,536	20,426
MTGE Investment Corp.	1,078,675	20,279
Cohen & Steers Inc.	499,386	20,245
* Third Point Reinsurance Ltd.	1,453,068	20,198
James River Group Holdings Ltd.	503,558	20,006
Lakeland Bancorp Inc.	1,060,220	19,985
Tier REIT Inc.	1,079,210	19,944
Hanmi Financial Corp.	699,599	19,904
Piper Jaffray Cos.	324,723	19,467
Meridian Bancorp Inc.	1,146,810	19,381
^ Seritage Growth Properties Class A	455,493	19,108
United Financial Bancorp Inc.	1,142,148	19,062
Universal Insurance Holdings Inc.	756,011	19,051
Stock Yards Bancorp Inc.	488,034	18,985
^ Pennsylvania REIT	1,676,876	18,982
Ladder Capital Corp. Class A	1,399,375	18,766
Investors Real Estate Trust	3,002,255	18,644
BancFirst Corp.	191,946	18,542
MainSource Financial Group Inc.	549,472	18,413
Easterly Government Properties Inc.	872,782	18,285
Maiden Holdings Ltd.	1,641,822	18,224
Meta Financial Group Inc.	203,072	18,073
Getty Realty Corp.	719,659	18,063
Univest Corp. of Pennsylvania	596,799	17,874
* Customers Bancorp Inc.	630,394	17,828
* Liberty Broadband Corp. Class A	207,597	17,810
Heritage Financial Corp.	664,586	17,612
Flushing Financial Corp.	623,520	17,577
Hersha Hospitality Trust Class A	948,706	17,561
First Potomac Realty Trust	1,568,122	17,422
OceanFirst Financial Corp.	641,293	17,392
Chatham Lodging Trust	862,138	17,320
Virtus Investment Partners Inc.	154,023	17,089
* HomeStreet Inc.	615,757	17,041
Northfield Bancorp Inc.	993,069	17,031
Enterprise Financial Services Corp.	414,084	16,895
Saul Centers Inc.	291,364	16,893
Bryn Mawr Bank Corp.	390,146	16,581
National Western Life Group Inc. Class A	51,798	16,556

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	Shares	Market Value (\$000)
Washington Trust Bancorp Inc.	319,763	16,484
TriCo Bancshares	466,459	16,396
Houlihan Lokey Inc. Class A	469,410	16,382
TrustCo Bank Corp. NY	2,100,422	16,278
InfraREIT Inc.	843,656	16,156
First Bancorp	516,734	16,153
Kinsale Capital Group Inc.	431,656	16,105
Oritani Financial Corp.	939,384	16,016
New Senior Investment Group Inc.	1,590,630	15,986
^ New York Mortgage Trust Inc.	2,557,237	15,906
PJT Partners Inc.	388,883	15,641
Guaranty Bancorp	574,827	15,635
Community Trust Bancorp Inc.	357,293	15,632
ConnectOne Bancorp Inc.	692,102	15,607
Preferred Bank	291,443	15,583
CoBiz Financial Inc.	894,239	15,560
* Flagstar Bancorp Inc.	500,771	15,434
Independence Realty Trust Inc.	1,561,924	15,416
German American Bancorp Inc.	445,139	15,175
* Forestar Group Inc.	883,937	15,160
Investment Technology Group Inc.	712,652	15,137
Camden National Corp.	350,137	15,024
Diamond Hill Investment Group Inc.	75,041	14,963
* NMI Holdings Inc. Class A	1,306,701	14,962
* Greenlight Capital Re Ltd. Class A	714,527	14,934
First of Long Island Corp.	519,341	14,853
FBL Financial Group Inc. Class A	240,114	14,767
Anworth Mortgage Asset Corp.	2,402,741	14,440
*^ Nationstar Mortgage Holdings Inc.	798,916	14,293
NRG Yield Inc. Class A	820,481	13,997
Stonegate Bank	300,033	13,856
Great Southern Bancorp Inc.	258,874	13,850
Park Sterling Corp.	1,162,978	13,816
Bridge Bancorp Inc.	414,171	13,792
Altisource Residential Corp.	1,063,778	13,765
Dime Community Bancshares Inc.	701,155	13,743
QCR Holdings Inc.	288,271	13,664
Horizon Bancorp	517,691	13,641
* INTL. FCStone Inc.	358,904	13,552
* CU Bancorp	373,210	13,492
State National Cos. Inc.	722,990	13,289
UMH Properties Inc.	776,666	13,242
Armada Hoffler Properties Inc.	998,346	12,929
Gladstone Commercial Corp.	590,939	12,877
* TriState Capital Holdings Inc.	510,129	12,855
Pacific Continental Corp.	502,211	12,831
Heritage Commerce Corp.	922,989	12,719
Ashford Hospitality Trust Inc.	2,091,670	12,717
Peoples Bancorp Inc.	394,715	12,682
One Liberty Properties Inc.	530,877	12,438
AG Mortgage Investment Trust Inc.	671,785	12,294
Urstadt Biddle Properties Inc. Class A	616,330	12,203
CatchMark Timber Trust Inc. Class A	1,073,044	12,200
^ Live Oak Bancshares Inc.	470,108	11,377
Mercantile Bank Corp.	361,168	11,370
Preferred Apartment Communities Inc. Class A	721,243	11,360
* Franklin Financial Network Inc.	274,705	11,332
Fidelity Southern Corp.	492,944	11,269
Waterstone Financial Inc.	591,206	11,144
First Financial Corp.	233,216	11,031
^ CorEnergy Infrastructure Trust Inc.	323,833	10,878
Greenhill & Co. Inc.	533,846	10,730
Peapack Gladstone Financial Corp.	340,026	10,639
*^ Republic First Bancorp Inc.	1,143,684	10,579

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	Shares	Market Value (\$000)
^ Virtu Financial Inc. Class A	599,207	10,576
First Defiance Financial Corp.	200,600	10,568
OFG Bancorp	1,046,533	10,465
NexPoint Residential Trust Inc.	420,244	10,460
Independent Bank Corp.	480,432	10,449
* Allegiance Bancshares Inc.	272,793	10,448
Midland States Bancorp Inc.	307,657	10,313
Southwest Bancorp Inc.	401,998	10,271
* Marcus & Millichap Inc.	388,802	10,249
* National Commerce Corp.	259,060	10,246
* MoneyGram International Inc.	593,533	10,238
Western Asset Mortgage Capital Corp.	991,945	10,217
* First Foundation Inc.	617,171	10,140
* Enova International Inc.	676,707	10,049
Community Healthcare Trust Inc.	392,183	10,036
Federal Agricultural Mortgage Corp.	154,969	10,026
Westwood Holdings Group Inc.	176,429	10,002
*,^ Cowen Inc. Class A	615,453	10,001
* Triumph Bancorp Inc.	399,040	9,796
Blue Hills Bancorp Inc.	544,982	9,755
Cedar Realty Trust Inc.	2,005,227	9,725
* Green Bancorp Inc.	500,347	9,707
^ Fidelity & Guaranty Life	312,582	9,706
Whitestone REIT	787,349	9,645
Financial Institutions Inc.	323,192	9,631
* World Acceptance Corp.	127,898	9,581
Bar Harbor Bankshares	306,499	9,446
* HomeTrust Bancshares Inc.	383,198	9,350
Arbor Realty Trust Inc.	1,114,582	9,296
OneBeacon Insurance Group Ltd. Class A	505,691	9,219
Carolina Financial Corp.	284,889	9,208
Bank Mutual Corp.	994,266	9,098
MedEquities Realty Trust Inc.	713,540	9,005
Arrow Financial Corp.	284,232	8,996
^ HCI Group Inc.	190,162	8,934
* EZCORP Inc. Class A	1,150,290	8,857
* Ambac Financial Group Inc.	507,938	8,813
Clifton Bancorp Inc.	527,368	8,717
MidWestOne Financial Group Inc.	254,465	8,624
* PICO Holdings Inc.	492,175	8,613
State Auto Financial Corp.	332,968	8,567
United Community Financial Corp.	1,025,478	8,522
* Global Indemnity Ltd.	217,960	8,450
1st Source Corp.	176,233	8,449
Arlington Asset Investment Corp. Class A	614,393	8,399
* PennyMac Financial Services Inc. Class A	502,176	8,386
* Atlantic Capital Bancshares Inc.	440,076	8,361
Access National Corp.	311,117	8,251
Heritage Insurance Holdings Inc.	630,495	8,209
* Bancorp Inc.	1,073,489	8,137
* Veritex Holdings Inc.	306,375	8,067
City Office REIT Inc.	629,538	7,995
RMR Group Inc. Class A	164,185	7,988
* Nicolet Bankshares Inc.	144,542	7,908
Ares Commercial Real Estate Corp.	598,302	7,832
Ashford Hospitality Prime Inc.	760,304	7,824
Bank of Marin Bancorp	126,680	7,797
Farmers National Banc Corp.	535,270	7,761
* eHealth Inc.	412,496	7,755
*,^ NI Holdings Inc.	431,321	7,712
People's Utah Bancorp	287,169	7,696
First Community Bancshares Inc.	280,081	7,660
CNB Financial Corp.	316,906	7,596
First Connecticut Bancorp Inc.	294,683	7,559

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	Shares	Market Value (\$000)
Opus Bank	311,400	7,536
^ Orchid Island Capital Inc.	741,274	7,309
American National Bankshares Inc.	197,303	7,290
Dynex Capital Inc.	1,022,411	7,259
^ Farmland Partners Inc.	809,018	7,233
Bluerock Residential Growth REIT Inc. Class A	555,038	7,154
*^ Citizens Inc. Class A	967,030	7,137
* Tejon Ranch Co.	342,493	7,069
West Bancorporation Inc.	298,686	7,064
United Insurance Holdings Corp.	447,288	7,036
Jernigan Capital Inc.	314,580	6,921
Charter Financial Corp.	380,269	6,845
* HarborOne Bancorp Inc.	342,804	6,842
Timberland Bancorp Inc.	270,330	6,831
* Pacific Mercantile Bancorp	767,710	6,756
Enterprise Bancorp Inc.	189,931	6,750
* Regional Management Corp.	279,045	6,594
Cherry Hill Mortgage Investment Corp.	351,292	6,488
EMC Insurance Group Inc.	233,457	6,485
WashingtonFirst Bankshares Inc.	186,872	6,453
* FRP Holdings Inc.	139,782	6,451
Sierra Bancorp	262,042	6,433
* Health Insurance Innovations Inc. Class A	273,011	6,416
Prudential Bancorp Inc.	353,203	6,414
Xenith Bankshares Inc.	206,345	6,409
Sutherland Asset Management Corp.	428,504	6,363
* FB Financial Corp.	175,126	6,338
Ames National Corp.	205,571	6,290
Farmers Capital Bank Corp.	161,993	6,245
*^ PCSB Financial Corp.	357,922	6,106
* Equity Bancshares Inc. Class A	197,590	6,054
* CardConnect Corp.	389,689	5,865
* Ocwen Financial Corp.	2,158,610	5,807
* WMIH Corp.	4,644,600	5,806
Central Valley Community Bancorp	256,265	5,679
Republic Bancorp Inc. Class A	157,637	5,628
^ Investar Holding Corp.	243,221	5,570
MBT Financial Corp.	570,737	5,536
Resource Capital Corp.	536,046	5,452
Baldwin & Lyons Inc.	220,225	5,395
Peoples Financial Services Corp.	123,373	5,395
*^ Altisource Portfolio Solutions SA	247,041	5,390
Hingham Institution for Savings	29,578	5,381
National Bankshares Inc.	129,542	5,285
Consolidated-Tomoka Land Co.	92,793	5,285
* Southern First Bancshares Inc.	139,001	5,150
^ First Bancshares Inc.	186,215	5,140
Sun Bancorp Inc.	207,148	5,106
Old Line Bancshares Inc.	181,094	5,103
KKR Real Estate Finance Trust Inc.	235,876	5,071
First Mid-Illinois Bancshares Inc.	148,081	5,070
Shore Bancshares Inc.	305,032	5,018
Western New England Bancorp Inc.	493,489	5,009
NewStar Financial Inc.	475,565	4,993
Old Second Bancorp Inc.	431,741	4,987
Capital City Bank Group Inc.	242,287	4,947
Bank of Commerce Holdings	442,890	4,894
Codorus Valley Bancorp Inc.	170,726	4,849
* Safeguard Scientifics Inc.	406,125	4,833
GAIN Capital Holdings Inc.	773,941	4,822
Orrstown Financial Services Inc.	210,135	4,802
* First Northwest Bancorp	302,712	4,774
Southern National Bancorp of Virginia Inc.	266,340	4,688
Pzena Investment Management Inc. Class A	459,472	4,668

Vanguard® Total Stock Market Index Fund
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	Shares	Market Value (\$000)
Macatawa Bank Corp.	487,657	4,652
Citizens & Northern Corp.	199,597	4,643
^ Civista Bancshares Inc.	222,171	4,639
Federated National Holding Co.	287,862	4,606
* First Community Financial Partners Inc.	355,182	4,582
Winthrop Realty Trust	562,609	4,510
Territorial Bancorp Inc.	144,147	4,496
Ellington Residential Mortgage REIT	303,091	4,443
First Bancorp Inc.	164,196	4,443
* AV Homes Inc.	220,625	4,424
Tiptree Inc.	626,694	4,418
First Business Financial Services Inc.	191,192	4,413
* Ladenburg Thalmann Financial Services Inc.	1,808,010	4,412
^ Wheeler REIT Inc.	428,959	4,380
RAIT Financial Trust	1,990,130	4,358
Marlin Business Services Corp.	171,356	4,310
Owens Realty Mortgage Inc.	253,158	4,294
Investors Title Co.	22,132	4,281
Penns Woods Bancorp Inc.	103,519	4,263
^ Global Medical REIT Inc.	475,739	4,253
Great Ajax Corp.	299,485	4,187
Stratus Properties Inc.	142,314	4,184
BankFinancial Corp.	279,782	4,174
First Internet Bancorp	148,164	4,156
LCNB Corp.	201,639	4,033
Reis Inc.	185,335	3,938
Southern Missouri Bancorp Inc.	121,688	3,926
Home Bancorp Inc.	92,296	3,924
* BSB Bancorp Inc.	133,849	3,915
ESSA Bancorp Inc.	256,659	3,778
Canadian Imperial Bank of Commerce	46,144	3,745
MidSouth Bancorp Inc.	312,673	3,674
Parke Bancorp Inc.	162,298	3,635
ACNB Corp.	119,083	3,632
Bear State Financial Inc.	383,531	3,628
*^ Impac Mortgage Holdings Inc.	238,376	3,607
Silvercrest Asset Management Group Inc. Class A	266,496	3,584
* Maui Land & Pineapple Co. Inc.	174,732	3,547
* Atlas Financial Holdings Inc.	237,784	3,543
Northrim BanCorp Inc.	116,478	3,541
Unity Bancorp Inc.	199,004	3,423
* SmartFinancial Inc.	139,194	3,324
First Bank	282,688	3,293
* On Deck Capital Inc.	705,079	3,286
* Entegra Financial Corp.	144,122	3,279
First Financial Northwest Inc.	201,997	3,258
Clipper Realty Inc.	262,100	3,234
Donegal Group Inc. Class A	202,960	3,227
First South Bancorp Inc.	193,000	3,192
Kingstone Cos. Inc.	207,138	3,169
Sotherly Hotels Inc.	464,390	3,149
*^ Paragon Commercial Corp.	59,358	3,114
Associated Capital Group Inc. Class A	89,830	3,054
Chemung Financial Corp.	73,238	2,994
MutualFirst Financial Inc.	82,894	2,959
* UCP Inc.	267,715	2,931
Century Bancorp Inc. Class A	45,204	2,875
* Trinity Place Holdings Inc.	401,380	2,854
BCB Bancorp Inc.	183,355	2,805
* Malvern Bancorp Inc.	116,688	2,795
Summit Financial Group Inc.	126,095	2,774
Five Oaks Investment Corp.	568,330	2,773
Premier Financial Bancorp Inc.	133,738	2,756
Provident Financial Holdings Inc.	140,062	2,696

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	Shares	Market Value (\$000)
Commerce Union Bancshares Inc.	111,952	2,672
Bankwell Financial Group Inc.	84,857	2,650
GAMCO Investors Inc. Class A	89,101	2,637
Gladstone Land Corp.	225,120	2,627
C&F Financial Corp.	55,655	2,610
* Safety Income and Growth Inc.	134,000	2,566
SI Financial Group Inc.	157,047	2,528
FS Bancorp Inc.	56,177	2,507
Independence Holding Co.	121,498	2,485
* MSB Financial Corp.	139,627	2,450
^ Innovative Industrial Properties Inc.	145,140	2,431
United Bancorp Inc.	194,803	2,386
HopFed Bancorp Inc.	161,415	2,374
Riverview Bancorp Inc.	355,500	2,361
Federal Agricultural Mortgage Corp. Class A	38,986	2,320
Northeast Bancorp	113,368	2,307
Oppenheimer Holdings Inc. Class A	139,482	2,287
County Bancorp Inc.	92,456	2,219
1st Constitution Bancorp	124,717	2,214
* Hallmark Financial Services Inc.	190,242	2,144
Peoples Bancorp of North Carolina Inc.	67,490	2,133
DNB Financial Corp.	61,338	2,104
Blue Capital Reinsurance Holdings Ltd.	108,741	1,990
* Consumer Portfolio Services Inc.	436,157	1,985
* Atlantic Coast Financial Corp.	246,134	1,967
* Select Bancorp Inc.	159,453	1,949
^ First Guaranty Bancshares Inc.	70,724	1,927
American River Bankshares	130,024	1,887
Evans Bancorp Inc.	46,053	1,840
* Bay Bancorp Inc.	234,997	1,798
Global Self Storage Inc.	359,366	1,786
^ Sussex Bancorp	70,873	1,754
Summit State Bank	126,542	1,645
* ASB Bancorp Inc.	37,401	1,644
Union Bankshares Inc.	34,526	1,640
^ Greene County Bancorp Inc.	57,415	1,562
Two River Bancorp	83,523	1,553
* Westbury Bancorp Inc.	75,189	1,531
* Ashford Inc.	29,095	1,458
^ CPI Card Group Inc.	510,300	1,454
* Coastway Bancorp Inc.	69,946	1,441
* Provident Bancorp Inc.	63,594	1,431
CB Financial Services Inc.	50,921	1,329
* Sunshine Bancorp Inc.	60,594	1,291
*^ Altisource Asset Management Corp.	13,265	1,211
* Performant Financial Corp.	578,945	1,210
Citizens Community Bancorp Inc.	84,902	1,187
First US Bancshares Inc.	102,757	1,153
* Nicholas Financial Inc.	121,713	1,123
Urstadt Biddle Properties Inc.	64,362	1,110
Medley Management Inc. Class A	170,798	1,110
AmeriServ Financial Inc.	261,840	1,087
PB Bancorp Inc.	95,484	1,012
Manhattan Bridge Capital Inc.	169,279	1,007
* Security National Financial Corp. Class A	151,600	970
* Anchor Bancorp Inc.	35,152	888
Mackinac Financial Corp.	63,352	887
SB Financial Group Inc.	51,939	882
First Savings Financial Group Inc.	13,900	761
* Conifer Holdings Inc.	103,597	741
Bancorp of New Jersey Inc.	44,083	736
* 1347 Property Insurance Holdings Inc.	91,546	732
Plumas Bancorp	34,356	732
Hennessy Advisors Inc.	46,256	702

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	Shares	Market Value (\$000)
* Byline Bancorp Inc.	32,078	643
Fifth Street Asset Management Inc.	130,346	632
*^ Transcontinental Realty Investors Inc.	23,100	621
* JW Mays Inc.	16,455	584
California First National Bancorp	29,198	550
*^ Capstar Financial Holdings Inc.	30,373	539
*^ Walter Investment Management Corp.	551,462	522
Eagle Bancorp Montana Inc.	27,475	497
* First Acceptance Corp.	281,104	320
Stewardship Financial Corp.	30,870	293
US Global Investors Inc. Class A	188,652	289
Pathfinder Bancorp Inc.	17,572	277
* National Holdings Corp.	93,836	261
* IZEA Inc.	136,461	261
Wellesley Bank	9,433	260
* Jason Industries Inc.	189,620	245
WVS Financial Corp.	11,313	182
* InterGroup Corp.	6,301	164
Oxbridge Re Holdings Ltd.	26,562	150
*^ ZAIS Group Holdings Inc.	62,902	147
*^ Income Opportunity Realty Investors Inc.	12,550	118
* Royal Bankshares of Pennsylvania Inc.	26,140	111
Sound Financial Bancorp Inc.	3,546	108
Poage Bankshares Inc.	5,438	104
Institutional Financial Markets Inc.	85,239	101
* Intersections Inc.	20,974	99
* Asta Funding Inc.	11,266	92
Manning & Napier Inc.	20,555	89
*^ Connecture Inc.	131,451	81
* RMG Networks Holding Corp.	112,292	74
* National Holdings Corp. Warrants Exp. 01/18/2022	92,151	53
* Randolph Bancorp Inc.	2,954	49
Atlantic American Corp.	11,780	44
* Elevate Credit Inc.	4,500	36
* HV Bancorp Inc.	1,300	19
*^ Global Brokerage Inc.	8,967	18
* ITUS Corp.	10,380	12
Porter Bancorp Inc.	1,132	12
*^ LM Funding America Inc.	1,700	7
Baldwin & Lyons Inc. Class A Shares	225	5
* Equitable Financial Corp.	263	3
Elmira Savings Bank	100	2
Southwest Georgia Financial Corp.	100	2
GWG Holdings Inc.	100	1
NorthStar Realty Europe Corp.	22	—
		118,292,961

Health Care (13.1%)

Johnson & Johnson	62,059,387	8,209,836
Pfizer Inc.	137,428,989	4,616,240
UnitedHealth Group Inc.	22,193,256	4,115,074
Merck & Co. Inc.	62,996,595	4,037,452
Amgen Inc.	16,927,358	2,915,399
Medtronic plc	31,568,346	2,801,691
AbbVie Inc.	36,634,667	2,656,380
* Celgene Corp.	17,968,099	2,333,517
Gilead Sciences Inc.	30,072,798	2,128,553
Bristol-Myers Squibb Co.	37,936,672	2,113,831
Abbott Laboratories	39,971,491	1,943,014
Eli Lilly & Co.	22,866,736	1,881,932
Allergan plc	7,732,756	1,879,756
Thermo Fisher Scientific Inc.	9,028,704	1,575,238
* Biogen Inc.	4,891,271	1,327,295
Aetna Inc.	7,674,024	1,165,147
Anthem Inc.	6,092,345	1,146,153

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	Shares	Market Value (\$000)
Becton Dickinson and Co.	5,204,627	1,015,475
Cigna Corp.	5,894,262	986,641
Stryker Corp.	6,894,741	956,852
* Regeneron Pharmaceuticals Inc.	1,801,569	884,823
* Boston Scientific Corp.	31,553,760	874,670
* Express Scripts Holding Co.	13,674,358	872,971
Humana Inc.	3,342,472	804,266
* Intuitive Surgical Inc.	858,659	803,164
* Vertex Pharmaceuticals Inc.	5,730,320	738,466
Zoetis Inc.	11,302,484	705,049
Baxter International Inc.	11,258,475	681,588
* Alexion Pharmaceuticals Inc.	4,910,278	597,434
Zimmer Biomet Holdings Inc.	4,634,651	595,089
* HCA Healthcare Inc.	6,785,378	591,685
* Illumina Inc.	3,363,828	583,691
* Edwards Lifesciences Corp.	4,860,965	574,761
CR Bard Inc.	1,664,557	526,183
* Incyte Corp.	4,004,883	504,255
* Mylan NV	11,703,262	454,321
* Laboratory Corp. of America Holdings	2,363,736	364,346
* BioMarin Pharmaceutical Inc.	4,004,576	363,696
Quest Diagnostics Inc.	3,147,062	349,827
Dentsply Sirona Inc.	5,305,313	343,997
* Henry Schein Inc.	1,823,494	333,736
* IDEXX Laboratories Inc.	2,023,639	326,656
* Waters Corp.	1,754,979	322,635
* Centene Corp.	3,759,806	300,333
* Quintiles IMS Holdings Inc.	3,284,237	293,939
* Hologic Inc.	6,440,687	292,278
Cooper Cos. Inc.	1,127,375	269,916
ResMed Inc.	3,258,380	253,730
Universal Health Services Inc. Class B	2,053,884	250,738
* Align Technology Inc.	1,664,508	249,876
Perrigo Co. plc	3,131,515	236,492
* DaVita Inc.	3,618,162	234,312
* Varian Medical Systems Inc.	2,129,940	219,789
Teleflex Inc.	1,032,633	214,540
* Alkermes plc	3,512,057	203,594
* Jazz Pharmaceuticals plc	1,309,147	203,572
* WellCare Health Plans Inc.	1,020,772	183,290
* Envision Healthcare Corp.	2,697,151	169,030
* Exelixis Inc.	6,719,048	165,490
West Pharmaceutical Services Inc.	1,698,570	160,549
STERIS plc	1,953,350	159,198
* Alnylam Pharmaceuticals Inc.	1,886,133	150,438
* Bioverativ Inc.	2,487,662	149,683
* DexCom Inc.	1,982,758	145,039
* Ionis Pharmaceuticals Inc.	2,844,307	144,690
* ABIOMED Inc.	951,131	136,297
* United Therapeutics Corp.	1,028,968	133,488
* MEDNAX Inc.	2,148,036	129,677
* TESARO Inc.	866,397	121,174
Hill-Rom Holdings Inc.	1,507,070	119,978
*^ Kite Pharma Inc.	1,102,517	114,298
* Seattle Genetics Inc.	2,129,469	110,179
* Charles River Laboratories International Inc.	1,082,748	109,520
* Bluebird Bio Inc.	1,029,510	108,150
* Bio-Rad Laboratories Inc. Class A	476,795	107,903
* Mallinckrodt plc	2,343,026	104,991
* PAREXEL International Corp.	1,162,641	101,045
Bio-Techne Corp.	855,215	100,488
* Alere Inc.	1,994,163	100,087
* Masimo Corp.	1,063,460	96,966
* Catalent Inc.	2,739,952	96,172

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	Shares	Market Value (\$000)
*^ Exact Sciences Corp.	2,716,750	96,091
* Neurocrine Biosciences Inc.	2,072,680	95,343
* Clovis Oncology Inc.	996,580	93,310
HealthSouth Corp.	1,916,145	92,741
Patterson Cos. Inc.	1,903,449	89,367
*^ Acadia Healthcare Co. Inc.	1,804,121	89,088
* NuVasive Inc.	1,156,864	88,986
* Integra LifeSciences Holdings Corp.	1,379,948	75,221
Healthcare Services Group Inc.	1,589,481	74,435
* Portola Pharmaceuticals Inc.	1,304,399	73,268
* INC Research Holdings Inc. Class A	1,238,213	72,435
* PRA Health Sciences Inc.	929,924	69,754
* Nektar Therapeutics Class A	3,567,770	69,750
Bruker Corp.	2,412,575	69,579
* Insulet Corp.	1,342,214	68,869
* Akorn Inc.	2,030,763	68,112
* Molina Healthcare Inc.	976,848	67,578
* Wright Medical Group NV	2,378,908	65,396
* Prestige Brands Holdings Inc.	1,225,066	64,696
* VWR Corp.	1,956,464	64,583
* Puma Biotechnology Inc.	729,666	63,773
*^ ACADIA Pharmaceuticals Inc.	2,254,536	62,879
* Brookdale Senior Living Inc.	4,269,537	62,805
* LifePoint Health Inc.	926,316	62,202
* Sage Therapeutics Inc.	780,406	62,152
Canter Medical Corp.	771,121	60,078
* Ironwood Pharmaceuticals Inc. Class A	3,139,608	59,276
*^ Medicines Co.	1,541,764	58,602
* Neogen Corp.	844,489	58,363
*^ Ultragenyx Pharmaceutical Inc.	916,788	56,942
*^ Juno Therapeutics Inc.	1,878,898	56,160
* Ligand Pharmaceuticals Inc.	459,090	55,734
*^ Penumbra Inc.	616,562	54,103
* ICU Medical Inc.	311,736	53,774
* Globus Medical Inc.	1,566,628	51,934
* Endo International plc	4,609,883	51,492
*^ OPKO Health Inc.	7,772,310	51,142
* Agios Pharmaceuticals Inc.	935,947	48,154
*^ Intercept Pharmaceuticals Inc.	395,171	47,843
* Supernus Pharmaceuticals Inc.	1,096,216	47,247
* Haemonetics Corp.	1,192,331	47,085
* FibroGen Inc.	1,375,647	44,433
Owens & Minor Inc.	1,379,158	44,395
* Horizon Pharma plc	3,709,594	44,033
* Sarepta Therapeutics Inc.	1,273,474	42,929
* Halyard Health Inc.	1,088,419	42,753
*^ Nevro Corp.	570,980	42,498
*^ Myriad Genetics Inc.	1,639,641	42,368
*^ Radius Health Inc.	935,082	42,294
* Aerie Pharmaceuticals Inc.	789,620	41,495
* Pacira Pharmaceuticals Inc.	869,121	41,457
* Merit Medical Systems Inc.	1,083,219	41,325
* Loxo Oncology Inc.	504,562	40,461
* Magellan Health Inc.	544,052	39,661
* Spectranetics Corp.	990,824	38,048
* Select Medical Holdings Corp.	2,478,650	38,047
* Amedisys Inc.	603,800	37,925
* NxStage Medical Inc.	1,502,872	37,677
*^ MiMedx Group Inc.	2,505,750	37,511
*^ Tenet Healthcare Corp.	1,916,893	37,073
* Inogen Inc.	384,438	36,683
*^ Theravance Biopharma Inc.	916,922	36,530
* HMS Holdings Corp.	1,934,818	35,794
*^ Avexis Inc.	432,499	35,534

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	Shares	Market Value (\$000)
* Repligen Corp.	849,053	35,185
* Blueprint Medicines Corp.	694,112	35,171
*^ Halozyme Therapeutics Inc.	2,717,336	34,836
*^ Amicus Therapeutics Inc.	3,455,463	34,797
* Omnicell Inc.	794,413	34,239
*^ Spark Therapeutics Inc.	564,616	33,730
*^ Intrexon Corp.	1,367,682	32,947
* Array BioPharma Inc.	3,887,954	32,542
* Tivity Health Inc.	805,367	32,094
*^ Teladoc Inc.	873,542	30,312
CONMED Corp.	574,226	29,251
* Varex Imaging Corp.	853,888	28,861
* Emergent BioSolutions Inc.	847,248	28,730
* Impax Laboratories Inc.	1,772,406	28,536
* Momenta Pharmaceuticals Inc.	1,648,031	27,852
* Natus Medical Inc.	724,782	27,034
* Community Health Systems Inc.	2,675,536	26,648
*^ Novocure Ltd.	1,526,608	26,410
Abaxis Inc.	491,835	26,077
* Insmmed Inc.	1,458,382	25,026
* Corcept Therapeutics Inc.	2,109,321	24,890
* Innoviva Inc.	1,936,268	24,784
Ensign Group Inc.	1,135,257	24,715
* LHC Group Inc.	353,597	24,006
Kindred Healthcare Inc.	2,044,071	23,813
* Acceleron Pharma Inc.	779,847	23,700
*^ Global Blood Therapeutics Inc.	846,836	23,161
* Acorda Therapeutics Inc.	1,164,634	22,943
* Cardiovascular Systems Inc.	701,789	22,619
* Dermira Inc.	754,744	21,993
*^ Eagle Pharmaceuticals Inc.	278,391	21,962
* OraSure Technologies Inc.	1,249,716	21,570
*^ Synergy Pharmaceuticals Inc.	4,821,363	21,455
Analogic Corp.	291,636	21,187
* Glaukos Corp.	509,465	21,128
*^ Immunomedics Inc.	2,359,716	20,836
* BioTelemetry Inc.	615,665	20,594
Atrion Corp.	31,920	20,534
* K2M Group Holdings Inc.	822,768	20,043
* Xencor Inc.	935,836	19,756
*^ TherapeuticsMD Inc.	3,712,990	19,567
*^ Lexicon Pharmaceuticals Inc.	1,162,838	19,129
*^ Omeros Corp.	954,328	18,996
*^ Accelerate Diagnostics Inc.	691,984	18,926
Luminex Corp.	892,632	18,852
* Five Prime Therapeutics Inc.	620,352	18,679
* PharMerica Corp.	706,366	18,542
* Orthofix International NV	391,151	18,181
* AtriCure Inc.	744,556	18,056
* Retrophin Inc.	925,806	17,951
*^ Esperion Therapeutics Inc.	386,431	17,884
*^ ZIOPHARM Oncology Inc.	2,874,609	17,880
* Vanda Pharmaceuticals Inc.	1,089,275	17,755
* Intersect ENT Inc.	622,184	17,390
* Almost Family Inc.	275,413	16,979
*^ PTC Therapeutics Inc.	918,881	16,843
* Sangamo Therapeutics Inc.	1,882,862	16,569
*^ Heron Therapeutics Inc.	1,191,562	16,503
* Quidel Corp.	603,265	16,373
*^ Lannett Co. Inc.	796,103	16,241
*^ Achaogen Inc.	747,253	16,238
* Anika Therapeutics Inc.	327,326	16,150
US Physical Therapy Inc.	266,647	16,106
Meridian Bioscience Inc.	1,013,210	15,958

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	Shares	Market Value (\$000)
*^ Epizyme Inc.	1,035,042	15,629
* HealthStream Inc.	592,324	15,590
*^ ImmunoGen Inc.	2,188,806	15,562
*^ AMAG Pharmaceuticals Inc.	837,344	15,407
* Depomed Inc.	1,419,297	15,243
*^ Albany Molecular Research Inc.	700,296	15,196
* Genomic Health Inc.	453,889	14,774
National HealthCare Corp.	208,647	14,635
* Amphastar Pharmaceuticals Inc.	813,544	14,530
* NeoGenomics Inc.	1,620,460	14,519
*^ Keryx Biopharmaceuticals Inc.	1,973,966	14,272
* Heska Corp.	139,222	14,210
*^ La Jolla Pharmaceutical Co.	466,728	13,895
* CryoLife Inc.	696,051	13,886
* Enanta Pharmaceuticals Inc.	383,691	13,805
* GenMark Diagnostics Inc.	1,165,229	13,785
*^ Aimmune Therapeutics Inc.	664,652	13,665
*^ Inovio Pharmaceuticals Inc.	1,676,562	13,144
*^ Cytokinetics Inc.	1,084,752	13,126
* Spectrum Pharmaceuticals Inc.	1,758,156	13,098
*^ Revance Therapeutics Inc.	494,709	13,060
* AngioDynamics Inc.	803,506	13,025
*^ Foundation Medicine Inc.	324,933	12,916
* MacroGenics Inc.	730,516	12,791
*^ Alder Biopharmaceuticals Inc.	1,072,493	12,280
*^ Aclaris Therapeutics Inc.	451,371	12,241
* SciClone Pharmaceuticals Inc.	1,105,703	12,163
* Lantheus Holdings Inc.	684,542	12,082
* Paratek Pharmaceuticals Inc.	492,886	11,879
* Achillion Pharmaceuticals Inc.	2,585,040	11,865
* REGENXBIO Inc.	590,212	11,657
*^ Flexion Therapeutics Inc.	568,245	11,490
*^ Editas Medicine Inc.	672,971	11,292
* AxoGen Inc.	672,912	11,271
* Arena Pharmaceuticals Inc.	658,993	11,117
* Surgery Partners Inc.	488,346	11,110
* Capital Senior Living Corp.	723,880	11,010
*^ TG Therapeutics Inc.	1,091,056	10,965
* Coherus Biosciences Inc.	755,705	10,844
* Ignyta Inc.	1,046,227	10,828
* Versartis Inc.	614,922	10,730
*^ Progenics Pharmaceuticals Inc.	1,579,374	10,724
*^ BioCryst Pharmaceuticals Inc.	1,927,066	10,715
* CorVel Corp.	225,577	10,704
*^ Geron Corp.	3,853,324	10,674
* Akebia Therapeutics Inc.	740,643	10,643
LeMaitre Vascular Inc.	340,624	10,634
* Dynavax Technologies Corp.	1,091,232	10,530
*^ iRhythm Technologies Inc.	247,534	10,518
* Enzo Biochem Inc.	943,216	10,413
*^ Antares Pharma Inc.	3,231,525	10,406
*^ Calithera Biosciences Inc.	698,554	10,374
*^ Teligent Inc.	1,080,767	9,889
*^ Endologix Inc.	2,027,599	9,854
* ANI Pharmaceuticals Inc.	205,095	9,598
*^ Iovance Biotherapeutics Inc.	1,304,215	9,586
Invacare Corp.	718,874	9,489
* Triple-S Management Corp. Class B	533,506	9,022
*^ Sucampo Pharmaceuticals Inc. Class A	858,104	9,010
* Intra-Cellular Therapies Inc. Class A	724,519	8,999
* Accuray Inc.	1,855,326	8,813
*^ Cara Therapeutics Inc.	569,016	8,757
*^ Rockwell Medical Inc.	1,099,664	8,720
* Karyopharm Therapeutics Inc.	935,540	8,467

Vanguard® Total Stock Market Index Fund
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	Shares	Market Value (\$000)
* PDL BioPharma Inc.	3,408,957	8,420
* Surmodics Inc.	298,673	8,408
* Rigel Pharmaceuticals Inc.	3,027,777	8,266
* Otonomy Inc.	432,061	8,144
*^ Insys Therapeutics Inc.	640,836	8,107
*^ Novavax Inc.	6,981,275	8,028
*^ Tactile Systems Technology Inc.	278,281	7,953
* NanoString Technologies Inc.	480,206	7,943
*^ Bellicum Pharmaceuticals Inc.	662,668	7,740
* Pacific Biosciences of California Inc.	2,165,758	7,710
*^ Aduro Biotech Inc.	664,789	7,579
* Cuteri Inc.	283,417	7,341
*^ Adamas Pharmaceuticals Inc.	409,355	7,160
*^ Invitae Corp.	747,294	7,144
* STAAR Surgical Co.	660,693	7,136
*^ Celldex Therapeutics Inc.	2,883,907	7,123
* Audentes Therapeutics Inc.	370,105	7,080
* Assembly Biosciences Inc.	340,741	7,036
* Natera Inc.	644,003	6,994
* CytomX Therapeutics Inc.	440,279	6,824
*^ Agenus Inc.	1,706,696	6,673
* Addus HomeCare Corp.	175,918	6,544
*^ Cerus Corp.	2,603,081	6,534
*^ Aratana Therapeutics Inc.	888,856	6,426
*^ Zogenix Inc.	435,963	6,321
* ChemoCentryx Inc.	669,957	6,271
* Concert Pharmaceuticals Inc.	448,187	6,252
* R1 RCM Inc.	1,665,809	6,247
*^ Organovo Holdings Inc.	2,364,691	6,219
*^ BioScrip Inc.	2,258,257	6,131
*^ Advaxis Inc.	939,099	6,095
* Cempira Inc.	1,322,449	6,083
* Minerva Neurosciences Inc.	680,465	6,022
* Exactech Inc.	202,002	6,020
* Civitas Solutions Inc.	339,271	5,937
*^ Corbus Pharmaceuticals Holdings Inc.	932,395	5,874
* RTI Surgical Inc.	987,728	5,778
*^ Atara Biotherapeutics Inc.	410,872	5,752
* Medpace Holdings Inc.	192,637	5,586
*^ MyoKardia Inc.	425,933	5,580
* GlycoMimetics Inc.	493,606	5,509
*^ Intellia Therapeutics Inc.	341,841	5,469
Utah Medical Products Inc.	75,324	5,453
* Tetrphase Pharmaceuticals Inc.	757,981	5,404
*^ BioTime Inc.	1,705,571	5,373
*^ Catalyst Pharmaceuticals Inc.	1,943,084	5,363
*^ Kadmon Holdings Inc.	1,370,016	5,329
*^ Anavex Life Sciences Corp.	949,007	5,049
* BioSpecifics Technologies Corp.	101,642	5,032
* RadNet Inc.	641,343	4,970
*^ Idera Pharmaceuticals Inc.	2,866,803	4,931
*^ Zynerba Pharmaceuticals Inc.	289,603	4,915
* Curis Inc.	2,595,657	4,906
*^ Pulse Biosciences Inc.	140,005	4,834
* Stemline Therapeutics Inc.	516,823	4,755
*^ American Renal Associates Holdings Inc.	255,418	4,738
*^ Reata Pharmaceuticals Inc. Class A	147,300	4,661
*^ Entellus Medical Inc.	277,187	4,590
* Chimerix Inc.	834,220	4,547
*^ Ocular Therapeutix Inc.	483,814	4,485
*^ Collegium Pharmaceutical Inc.	354,279	4,432
* Veracyte Inc.	530,956	4,423
* Kindred Biosciences Inc.	507,936	4,368
*^ NantKwest Inc.	573,582	4,354

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	Shares	Market Value (\$000)
* FONAR Corp.	155,532	4,316
*^ AVEO Pharmaceuticals Inc.	1,929,341	4,283
*^ Seres Therapeutics Inc.	375,673	4,245
* Corium International Inc.	568,204	4,239
* Syndax Pharmaceuticals Inc.	300,163	4,193
* Durect Corp.	2,640,742	4,120
* Ardelyx Inc.	777,237	3,964
*^ Corindus Vascular Robotics Inc.	2,031,679	3,779
* Clearside Biomedical Inc.	408,954	3,726
* ConforMIS Inc.	862,943	3,702
*^ Abeona Therapeutics Inc.	578,165	3,700
*^ Syros Pharmaceuticals Inc.	220,331	3,545
* Ra Pharmaceuticals Inc.	188,339	3,529
*^ MediciNova Inc.	665,692	3,502
*^ NewLink Genetics Corp.	471,429	3,465
* Cymbay Therapeutics Inc.	598,314	3,446
*^ Neos Therapeutics Inc.	471,833	3,444
*^ Cascadian Therapeutics Inc.	925,491	3,438
*^ ViewRay Inc.	517,554	3,349
* Tocagen Inc.	276,800	3,330
* Sientra Inc.	342,481	3,329
Psychemedics Corp.	129,134	3,222
*^ Edge Therapeutics Inc.	309,990	3,181
* AnaptysBio Inc.	132,423	3,169
*^ Conatus Pharmaceuticals Inc.	538,078	3,099
*^ Athersys Inc.	2,030,769	3,066
*^ Adamis Pharmaceuticals Corp.	546,768	2,843
*^ Ophthotech Corp.	1,070,556	2,741
* Kura Oncology Inc.	289,611	2,693
* Fate Therapeutics Inc.	823,228	2,667
*^ Voyager Therapeutics Inc.	296,342	2,655
* Recro Pharma Inc.	376,363	2,646
Digirad Corp.	646,980	2,620
* Corvus Pharmaceuticals Inc.	215,063	2,602
*^ Fortress Biotech Inc.	545,754	2,592
* Alliance HealthCare Services Inc.	194,848	2,592
* Immune Design Corp.	264,893	2,583
*^ VIVUS Inc.	2,075,043	2,532
*^ Vericel Corp.	764,888	2,524
*^ Nobilis Health Corp.	1,323,139	2,514
*^ BioDelivery Sciences International Inc.	893,842	2,503
* IRIDEX Corp.	249,167	2,464
*^ MannKind Corp.	1,736,918	2,449
* Merrimack Pharmaceuticals Inc.	1,969,959	2,443
*^ Matinas BioPharma Holdings Inc.	1,426,600	2,411
* Peregrine Pharmaceuticals Inc.	3,924,637	2,386
* Trevena Inc.	1,012,433	2,329
* Harvard Bioscience Inc.	886,650	2,261
*^ Genoea Biosciences Inc.	432,953	2,260
* Infinity Pharmaceuticals Inc.	1,423,794	2,235
* Protagonist Therapeutics Inc.	193,639	2,190
*^ OncoMed Pharmaceuticals Inc.	632,504	2,106
* ArQule Inc.	1,691,004	2,097
* Selecta Biosciences Inc.	104,566	2,077
*^ Arrowhead Pharmaceuticals Inc.	1,254,955	2,033
*^ Jounce Therapeutics Inc.	143,945	2,020
* Quorum Health Corp.	471,253	1,956
*^ Viveve Medical Inc.	268,201	1,926
*^ AAC Holdings Inc.	275,417	1,909
*^ Zafgen Inc.	541,528	1,901
*^ XBiotech Inc.	403,954	1,899
* SeaSpine Holdings Corp.	162,532	1,872
*^ CytRx Corp.	2,969,873	1,862
* Chembio Diagnostics Inc.	290,680	1,759

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	Shares	Market Value (\$000)
*^ BrainStorm Cell Therapeutics Inc.	407,231	1,694
*^ Synthetic Biologics Inc.	2,898,531	1,639
*^ Sorrento Therapeutics Inc.	819,527	1,639
*^ NantHealth Inc.	381,547	1,614
*^ Sophiris Bio Inc.	714,237	1,571
*^ Actinium Pharmaceuticals Inc.	1,263,287	1,541
* Invuity Inc.	212,352	1,540
*^ Rexahn Pharmaceuticals Inc.	514,211	1,471
* Verastem Inc.	661,665	1,442
* Fulgent Genetics Inc.	220,000	1,406
* Applied Genetic Technologies Corp.	274,717	1,401
*^ InVivo Therapeutics Holdings Corp.	502,208	1,356
*^ Navidea Biopharmaceuticals Inc.	2,619,773	1,336
*^ AcetRx Pharmaceuticals Inc.	616,508	1,326
*^ CTI BioPharma Corp.	398,572	1,319
*^ OvaScience Inc.	833,465	1,300
*^ Neuralstem Inc.	219,816	1,273
*^ Alimera Sciences Inc.	906,323	1,260
* Cumberland Pharmaceuticals Inc.	175,338	1,240
*^ Cancer Genetics Inc.	311,842	1,232
* Bovie Medical Corp.	491,996	1,215
*^ Ekso Bionics Holdings Inc.	520,926	1,209
*^ Galectin Therapeutics Inc.	482,839	1,188
*^ Mirati Therapeutics Inc.	320,856	1,171
* Cidara Therapeutics Inc.	153,196	1,149
* Aldeyra Therapeutics Inc.	240,564	1,131
*^ KalVista Pharmaceuticals Inc.	155,181	1,117
* Pernix Therapeutics Holdings Inc.	276,071	1,110
*^ Zosano Pharma Corp.	776,374	1,095
* Sunesis Pharmaceuticals Inc.	405,029	1,094
* Vital Therapies Inc.	376,574	1,092
*^ Savara Inc.	184,193	1,083
* pSivida Corp.	617,051	1,055
* Proteostasis Therapeutics Inc.	215,504	1,009
*^ T2 Biosystems Inc.	310,234	996
* Pfenex Inc.	242,627	973
*^ Agile Therapeutics Inc.	259,322	972
* Fibrocell Science Inc.	239,974	962
*^ Imprimis Pharmaceuticals Inc.	297,625	952
* Aevi Genomic Medicine Inc.	715,583	952
*^ Evoke Pharma Inc.	363,268	930
* Vermillion Inc.	504,917	929
*^ Senseonics Holdings Inc.	510,570	919
*^ SCYNEXIS Inc.	512,550	917
*^ Palatin Technologies Inc.	2,103,374	904
*^ ContraVir Pharmaceuticals Inc.	1,503,114	872
*^ Egalet Corp.	362,438	859
*^ XOMA Corp.	122,367	855
* Endocyte Inc.	566,441	850
* Aptevco Therapeutics Inc.	410,439	850
* Juniper Pharmaceuticals Inc.	165,581	836
*^ iRadimed Corp.	95,336	820
*^ Regulix Therapeutics Inc.	817,069	805
*^ Ocera Therapeutics Inc.	691,250	802
*^ aTyr Pharma Inc.	228,558	789
*^ Axsome Therapeutics Inc.	140,590	773
* ContraFect Corp.	524,937	761
*^ Titan Pharmaceuticals Inc.	397,542	755
*^ Asterias Biotherapeutics Inc.	212,711	755
*^ NanoViricides Inc.	534,255	721
*^ Marinus Pharmaceuticals Inc.	523,497	717
* Biolase Inc.	737,776	716
* G1 Therapeutics Inc.	40,150	700
*^ Biocept Inc.	504,581	691

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	Shares	Market Value (\$000)
*^ CytoSorbents Corp.	160,279	689
*^ Bellerophon Therapeutics Inc.	513,579	688
* Misonix Inc.	70,038	676
* InfuSystem Holdings Inc.	372,833	671
* Tandem Diabetes Care Inc.	834,805	668
*^ Obalon Therapeutics Inc.	66,929	663
*^ Bio-Path Holdings Inc.	1,637,827	636
*^ KemPharm Inc.	158,591	634
*^ Orexigen Therapeutics Inc.	218,691	634
* Fluidigm Corp.	151,314	611
*^ Second Sight Medical Products Inc.	483,599	609
* vTv Therapeutics Inc. Class A	118,785	590
*^ BioPharmX Corp.	1,229,840	589
* Threshold Pharmaceuticals Inc.	1,429,184	562
* Mersana Therapeutics Inc.	40,125	561
* Adverum Biotechnologies Inc.	223,796	560
*^ Inotek Pharmaceuticals Corp.	291,813	554
* Madrigal Pharmaceuticals Inc.	33,606	546
*^ IsoRay Inc.	846,170	529
* Altimmune Inc.	164,199	525
*^ Ovid therapeutics Inc.	48,150	505
*^ Galena Biopharma Inc.	865,858	503
* Aviragen Therapeutics Inc.	743,674	498
*^ Cleveland BioLabs Inc.	168,111	496
* Nivalis Therapeutics Inc.	204,625	493
*^ Novan Inc.	121,807	491
* Spring Bank Pharmaceuticals Inc.	35,351	479
*^ Tenax Therapeutics Inc.	647,032	478
* CAS Medical Systems Inc.	412,750	475
*^ Tonix Pharmaceuticals Holding Corp.	109,406	474
* Flex Pharma Inc.	121,213	467
*^ Moleculin Biotech Inc.	245,860	460
* ADMA Biologics Inc.	114,043	438
* Wright Medical Group Inc. CVR	288,011	438
* Pain Therapeutics Inc.	105,566	435
* Athenex Inc.	26,883	430
* Aeglea BioTherapeutics Inc.	111,265	427
*^ Caladrius Biosciences Inc.	91,301	425
Diversicare Healthcare Services Inc.	42,483	399
MGC Diagnostics Corp.	46,649	396
* Eiger BioPharmaceuticals Inc.	48,259	381
* Histogenics Corp.	194,693	350
*^ Immune Pharmaceuticals Inc.	112,567	350
Daxor Corp.	57,002	348
* Genesis Healthcare Inc.	199,004	346
*^ Cytori Therapeutics Inc.	293,906	323
*^ Ampio Pharmaceuticals Inc.	615,870	321
* Cogentix Medical Inc.	174,611	304
*^ Anthera Pharmaceuticals Inc.	185,867	301
*^ Catabasis Pharmaceuticals Inc.	205,902	292
* Five Star Senior Living Inc.	189,253	284
*^ OncoSec Medical Inc.	236,521	281
* Dicerna Pharmaceuticals Inc.	88,726	281
* Dimension Therapeutics Inc.	192,659	279
*^ Oncobiologics Inc.	275,848	279
* CareDx Inc.	238,433	265
* iBio Inc.	662,332	256
*^ CorMedix Inc.	586,535	251
* Oncocyte Corp.	47,653	248
*^ Diffusion Pharmaceuticals Inc.	106,182	247
* MEI Pharma Inc.	101,655	243
*^ AdCare Health Systems Inc.	245,092	235
*^ Sonoma Pharmaceuticals Inc.	34,844	231
*^ Avinger Inc.	508,186	228

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	Shares	Market Value (\$000)
*^ ImmuCell Corp.	31,066	227
* Gemphire Therapeutics Inc.	17,544	226
* Electromed Inc.	40,675	225
*^ Trovogene Inc.	177,960	224
*^ VBI Vaccines Inc.	50,377	219
* Ohr Pharmaceutical Inc.	340,818	218
*^ Repros Therapeutics Inc.	459,309	211
*^ Heat Biologics Inc.	346,319	211
* Dova Pharmaceuticals Inc.	9,400	210
*^ EyeGate Pharmaceuticals Inc.	149,069	204
* Retractable Technologies Inc.	152,899	196
*^ HTG Molecular Diagnostics Inc.	73,493	196
*^ Viking Therapeutics Inc.	180,700	195
* CASI Pharmaceuticals Inc.	185,474	195
*^ Novus Therapeutics Inc.	29,261	171
* Joint Corp.	44,149	168
* Mirna Therapeutics Inc.	96,853	164
*^ Proteon Therapeutics Inc.	103,545	161
*^ OpGen Inc.	233,497	150
*^ Tracon Pharmaceuticals Inc.	61,156	147
*^ Apricus Biosciences Inc.	128,703	145
*^ Biostage Inc.	348,844	144
*^ Argos Therapeutics Inc.	364,736	132
*^ Cerulean Pharma Inc.	257,067	114
*^ Microbot Medical Inc.	76,296	108
*^ BioLife Solutions Inc.	45,286	108
*^ Hemispherx Biopharma Inc.	198,641	99
*^ Chiasma Inc.	66,988	97
*^ GTx Inc.	18,345	97
*^ Celsion Corp.	45,464	93
* Presbia plc	39,123	89
*^ Eleven Biotherapeutics Inc.	56,094	88
*^ OncoGenex Pharmaceuticals Inc.	228,587	82
*^ Aethlon Medical Inc.	36,188	77
*^ Amedica Corp.	186,095	71
* Aradigm Corp.	50,300	68
*^ PhaseRx Inc.	67,478	64
* Aileron Therapeutics Inc.	5,426	61
* Milestone Scientific Inc.	36,833	55
* Vical Inc.	20,062	54
* Micron Solutions Inc.	12,440	49
*^ Capricor Therapeutics Inc.	48,322	40
* Pro-Dex Inc.	6,000	37
* Champions Oncology Inc.	10,400	27
*^ Arcadia Biosciences Inc.	58,353	26
*^ Asterias Biotherapeutics Inc. Warrants Exp. 09/29/2017	52,036	26
*^ CEL-SCI Corp.	11,072	25
* Leap Therapeutics Inc.	3,645	24
*^ Cyclacel Pharmaceuticals Inc.	4,800	18
*^ Neothetics Inc.	28,081	15
* Biomerica Inc.	5,200	14
*^ Alliqua BioMedical Inc.	30,615	11
* Onconova Therapeutics Inc.	3,896	8
* AzurRx BioPharma Inc.	1,242	5
*^ TapImmune Inc.	1,200	5
* TearLab Corp. Class A	2,600	4
* American Shared Hospital Services	992	4
* Alphatec Holdings Inc.	394	1
* Galena Biopharma Inc Warrants Exp. 03/18/2020	157,500	—
		76,002,805
Industrials (13.0%)		
General Electric Co.	200,001,087	5,402,029
3M Co.	13,773,479	2,867,501
Boeing Co.	13,214,972	2,613,261

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	Shares	Market Value (\$000)
Honeywell International Inc.	17,574,727	2,342,535
United Technologies Corp.	16,623,150	2,029,853
Union Pacific Corp.	18,602,489	2,025,997
Accenture plc Class A	14,302,720	1,768,960
United Parcel Service Inc. Class B	15,865,175	1,754,530
Lockheed Martin Corp.	5,674,337	1,575,253
Caterpillar Inc.	13,555,874	1,456,714
* PayPal Holdings Inc.	26,314,331	1,412,290
Danaher Corp.	14,383,505	1,213,824
FedEx Corp.	5,535,686	1,203,071
General Dynamics Corp.	5,923,978	1,173,540
CSX Corp.	20,191,317	1,101,638
Raytheon Co.	6,723,039	1,085,636
Northrop Grumman Corp.	4,027,579	1,033,920
Automatic Data Processing Inc.	9,794,305	1,003,525
Johnson Controls International plc	21,612,512	937,119
Illinois Tool Works Inc.	6,390,794	915,481
Deere & Co.	7,324,227	905,201
Emerson Electric Co.	14,838,153	884,651
Norfolk Southern Corp.	6,670,018	811,741
Eaton Corp. plc	10,315,137	802,827
Waste Management Inc.	10,131,428	743,140
Sherwin-Williams Co.	1,929,717	677,253
Fidelity National Information Services Inc.	7,559,877	645,614
TE Connectivity Ltd.	8,166,603	642,548
Cummins Inc.	3,862,376	626,555
* Fiserv Inc.	4,948,540	605,404
Roper Technologies Inc.	2,349,288	543,931
Ingersoll-Rand plc	5,948,088	543,596
PACCAR Inc.	8,080,978	533,668
Amphenol Corp. Class A	7,101,490	524,232
Parker-Hannifin Corp.	3,049,715	487,405
Rockwell Automation Inc.	2,963,840	480,024
Fortive Corp.	7,173,995	454,473
Agilent Technologies Inc.	7,409,614	439,464
Paychex Inc.	7,410,274	421,941
Rockwell Collins Inc.	3,734,632	392,435
Waste Connections Inc.	6,070,547	391,065
Vulcan Materials Co.	3,042,257	385,393
Republic Services Inc. Class A	5,504,075	350,775
* Mettler-Toledo International Inc.	594,847	350,091
Ball Corp.	8,044,869	339,574
WestRock Co.	5,770,348	326,948
Martin Marietta Materials Inc.	1,458,665	324,670
AMETEK Inc.	5,301,286	321,099
Alliance Data Systems Corp.	1,232,855	316,462
Global Payments Inc.	3,490,413	315,254
* FleetCor Technologies Inc.	2,112,985	304,714
* Verisk Analytics Inc. Class A	3,598,114	303,573
TransDigm Group Inc.	1,083,225	291,247
Fastenal Co.	6,636,093	288,869
L3 Technologies Inc.	1,713,278	286,254
Dover Corp.	3,563,152	285,836
Masco Corp.	7,340,472	280,479
Textron Inc.	5,554,172	261,602
Kansas City Southern	2,450,129	256,406
Pentair plc	3,761,147	250,267
Cintas Corp.	1,935,703	243,976
Packaging Corp. of America	2,159,313	240,526
* Vantiv Inc. Class A	3,692,935	233,911
Expeditors International of Washington Inc.	4,139,821	233,817
Fortune Brands Home & Security Inc.	3,537,966	230,817
Xylem Inc.	4,119,383	228,337
CH Robinson Worldwide Inc.	3,261,235	223,982

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	Shares	Market Value (\$000)
Total System Services Inc.	3,787,184	220,603
* United Rentals Inc.	1,935,619	218,164
WW Grainger Inc.	1,156,446	208,773
* Trimble Inc.	5,805,023	207,065
Broadridge Financial Solutions Inc.	2,728,342	206,154
Acuity Brands Inc.	1,012,136	205,747
* CoStar Group Inc.	763,419	201,237
Sealed Air Corp.	4,475,429	200,320
IDEX Corp.	1,755,390	198,377
Huntington Ingalls Industries Inc.	1,056,037	196,592
* Crown Holdings Inc.	3,232,374	192,843
AO Smith Corp.	3,406,809	191,906
Jack Henry & Associates Inc.	1,806,790	187,671
JB Hunt Transport Services Inc.	2,046,722	187,029
^ Wabtec Corp.	1,980,571	181,222
Allegion plc	2,193,084	177,903
ManpowerGroup Inc.	1,549,621	173,015
Owens Corning	2,584,962	172,986
PerkinElmer Inc.	2,523,817	171,973
Lennox International Inc.	935,460	171,788
* Berry Global Group Inc.	2,965,208	169,047
*^ Sensata Technologies Holding NV	3,929,818	167,882
* XPO Logistics Inc.	2,562,299	165,601
* Keysight Technologies Inc.	4,220,021	164,285
Toro Co.	2,366,415	163,969
Spirit AeroSystems Holdings Inc. Class A	2,787,152	161,488
* Arrow Electronics Inc.	2,051,880	160,908
Cognex Corp.	1,889,387	160,409
Jacobs Engineering Group Inc.	2,810,081	152,840
* Stericycle Inc.	1,952,333	149,002
Fluor Corp.	3,207,142	146,823
* First Data Corp. Class A	8,043,294	146,388
Old Dominion Freight Line Inc.	1,519,963	144,761
Hubbell Inc. Class B	1,272,374	143,995
* HD Supply Holdings Inc.	4,619,634	141,499
Xerox Corp.	4,922,416	141,421
Carlisle Cos. Inc.	1,479,692	141,163
Macquarie Infrastructure Corp.	1,796,461	140,843
Graco Inc.	1,283,641	140,276
Flowserve Corp.	2,990,222	138,836
Donaldson Co. Inc.	3,034,998	138,214
Nordson Corp.	1,118,960	135,752
Robert Half International Inc.	2,767,526	132,648
Orbital ATK Inc.	1,340,072	131,809
Allison Transmission Holdings Inc.	3,448,324	129,347
* Coherent Inc.	566,028	127,351
AptarGroup Inc.	1,448,923	125,853
* IPG Photonics Corp.	864,859	125,491
Lincoln Electric Holdings Inc.	1,362,349	125,459
* TransUnion	2,889,465	125,143
* Zebra Technologies Corp.	1,188,846	119,503
MDU Resources Group Inc.	4,513,182	118,245
Sonoco Products Co.	2,292,378	117,874
Oshkosh Corp.	1,708,469	117,679
* AECOM	3,577,300	115,654
Avnet Inc.	2,964,999	115,279
Jabil Inc.	3,763,924	109,869
Hexcel Corp.	2,079,452	109,774
* Quanta Services Inc.	3,322,665	109,382
FLIR Systems Inc.	3,127,961	108,415
National Instruments Corp.	2,681,516	107,851
Watsco Inc.	694,406	107,077
Universal Display Corp.	973,756	106,383
Booz Allen Hamilton Holding Corp. Class A	3,266,999	106,308

Vanguard® Total Stock Market Index Fund
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	Shares	Market Value (\$000)
AGCO Corp.	1,569,482	105,767
BWX Technologies Inc.	2,157,989	105,202
* Euronet Worldwide Inc.	1,142,513	99,821
Bemis Co. Inc.	2,129,017	98,467
Graphic Packaging Holding Co.	7,118,680	98,095
Trinity Industries Inc.	3,487,588	97,757
Eagle Materials Inc.	1,054,627	97,469
* Genesee & Wyoming Inc. Class A	1,409,169	96,373
* WEX Inc.	919,123	95,837
MAXIMUS Inc.	1,479,238	92,645
* Teledyne Technologies Inc.	725,256	92,579
Crane Co.	1,160,704	92,137
EMCOR Group Inc.	1,382,364	90,379
Genpact Ltd.	3,218,340	89,566
* Owens-Illinois Inc.	3,729,055	89,199
MSC Industrial Direct Co. Inc. Class A	1,031,681	88,683
Ryder System Inc.	1,225,936	88,243
* CoreLogic Inc.	1,983,012	86,023
Littelfuse Inc.	519,325	85,689
Woodward Inc.	1,266,453	85,587
HEICO Corp. Class A	1,370,902	85,064
Curtiss-Wright Corp.	914,090	83,895
Air Lease Corp. Class A	2,241,040	83,725
Regal Beloit Corp.	1,022,657	83,398
Landstar System Inc.	965,414	82,639
* Kirby Corp.	1,219,154	81,500
Terex Corp.	2,170,141	81,380
ITT Inc.	2,024,599	81,348
* Louisiana-Pacific Corp.	3,296,202	79,471
Deluxe Corp.	1,114,838	77,169
Valmont Industries Inc.	515,113	77,061
Belden Inc.	987,741	74,505
Timken Co.	1,589,155	73,498
EnerSys	1,007,765	73,013
Brink's Co.	1,085,378	72,720
* Colfax Corp.	1,834,579	72,227
* Conduent Inc.	4,519,411	72,039
John Bean Technologies Corp.	724,028	70,955
* Summit Materials Inc. Class A	2,408,666	69,538
* MasTec Inc.	1,530,344	69,095
Kennametal Inc.	1,835,479	68,684
Barnes Group Inc.	1,161,427	67,978
* Clean Harbors Inc.	1,188,954	66,379
* Esterline Technologies Corp.	687,356	65,161
* Sanmina Corp.	1,703,945	64,920
* WESCO International Inc.	1,104,260	63,274
MSA Safety Inc.	777,825	63,136
*^ USG Corp.	2,155,451	62,551
* On Assignment Inc.	1,153,081	62,439
World Fuel Services Corp.	1,596,796	61,397
Knight Transportation Inc.	1,646,710	61,011
* WageWorks Inc.	906,652	60,927
Tetra Tech Inc.	1,313,646	60,099
* Itron Inc.	886,052	60,030
* KLX Inc.	1,195,491	59,775
GATX Corp.	922,220	59,271
* MACOM Technology Solutions Holdings Inc.	1,022,546	57,027
Silgan Holdings Inc.	1,783,621	56,683
* Rexnord Corp.	2,353,002	54,707
*^ Cimpres NV	564,569	53,369
* RBC Bearings Inc.	519,834	52,898
* Generac Holdings Inc.	1,461,823	52,816
* Moog Inc. Class A	733,928	52,637
ABM Industries Inc.	1,264,625	52,507

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	Shares	Market Value (\$000)
* Masonite International Corp.	688,496	51,981
* Anixter International Inc.	654,833	51,208
Vishay Intertechnology Inc.	3,048,159	50,599
UniFirst Corp.	356,074	50,100
Convergys Corp.	2,104,345	50,041
KBR Inc.	3,251,721	49,491
Applied Industrial Technologies Inc.	837,429	49,450
* Swift Transportation Co.	1,810,102	47,968
* Advisory Board Co.	926,889	47,735
* DigitalGlobe Inc.	1,418,441	47,234
* TopBuild Corp.	865,975	45,957
Granite Construction Inc.	949,852	45,821
* Trex Co. Inc.	674,011	45,604
^ Chicago Bridge & Iron Co. NV	2,308,988	45,556
* Rogers Corp.	411,770	44,726
* II-VI Inc.	1,293,419	44,364
* Armstrong World Industries Inc.	962,162	44,259
Mueller Water Products Inc. Class A	3,680,036	42,983
* NeuStar Inc. Class A	1,279,740	42,679
* AMN Healthcare Services Inc.	1,084,138	42,336
Korn/Ferry International	1,202,428	41,520
* ExlService Holdings Inc.	737,048	40,965
Watts Water Technologies Inc. Class A	647,740	40,937
* Plexus Corp.	772,321	40,601
Greif Inc. Class A	727,546	40,583
Simpson Manufacturing Co. Inc.	928,448	40,582
Mueller Industries Inc.	1,324,776	40,339
Universal Forest Products Inc.	453,870	39,627
* Proto Labs Inc.	578,118	38,878
Franklin Electric Co. Inc.	908,961	37,631
Apogee Enterprises Inc.	656,568	37,319
Forward Air Corp.	692,530	36,898
* Benchmark Electronics Inc.	1,138,563	36,776
^ Covanta Holding Corp.	2,759,080	36,420
* TTM Technologies Inc.	2,089,289	36,270
Otter Tail Corp.	907,998	35,957
Albany International Corp.	672,299	35,901
Triumph Group Inc.	1,120,977	35,423
Brady Corp. Class A	1,040,040	35,257
*^ Ambarella Inc.	725,936	35,244
EnPro Industries Inc.	492,423	35,144
* Fabrinet	821,262	35,035
* SPX FLOW Inc.	948,365	34,976
* Knowles Corp.	2,057,684	34,816
* FTI Consulting Inc.	976,193	34,128
* Imperva Inc.	710,117	33,979
* Cardtronics plc Class A	1,034,025	33,978
Triton International Ltd.	1,012,343	33,853
AAON Inc.	916,237	33,763
AZZ Inc.	602,350	33,611
ESCO Technologies Inc.	557,696	33,267
* Builders FirstSource Inc.	2,150,603	32,947
Methode Electronics Inc.	791,654	32,616
Exponent Inc.	557,280	32,489
* Meritor Inc.	1,950,400	32,396
Comfort Systems USA Inc.	870,344	32,290
Actuant Corp. Class A	1,300,844	32,001
* OSI Systems Inc.	423,850	31,852
* BMC Stock Holdings Inc.	1,447,507	31,628
* Aerojet Rocketdyne Holdings Inc.	1,517,909	31,573
Wabash National Corp.	1,431,724	31,469
* JELD-WEN Holding Inc.	968,860	31,449
* Navistar International Corp.	1,186,683	31,127
* TriNet Group Inc.	945,527	30,957

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	Shares	Market Value (\$000)
* Integer Holdings Corp.	715,520	30,946
Kaman Corp.	612,168	30,529
Werner Enterprises Inc.	1,038,699	30,486
Mobile Mini Inc.	1,020,529	30,463
Tennant Co.	411,400	30,361
American Woodmark Corp.	317,216	30,310
* Harsco Corp.	1,882,308	30,305
* Atlas Air Worldwide Holdings Inc.	580,837	30,291
* Saia Inc.	583,386	29,928
* Sykes Enterprises Inc.	886,604	29,728
* Veeco Instruments Inc.	1,067,325	29,725
Matson Inc.	988,629	29,698
*^ Axon Enterprise Inc.	1,148,773	28,880
Insperity Inc.	405,095	28,762
*^ Evolent Health Inc. Class A	1,133,738	28,740
Aircastle Ltd.	1,316,666	28,637
*^ American Outdoor Brands Corp.	1,285,676	28,491
Raven Industries Inc.	846,341	28,183
Greenbrier Cos. Inc.	609,167	28,174
* Paylocity Holding Corp.	614,068	27,744
* Hub Group Inc. Class A	722,405	27,704
* Boise Cascade Co.	889,073	27,028
* Gibraltar Industries Inc.	749,725	26,728
*^ US Concrete Inc.	340,095	26,714
* Air Transport Services Group Inc.	1,218,108	26,530
Standex International Corp.	290,649	26,362
Astec Industries Inc.	470,727	26,130
Cubic Corp.	560,715	25,961
Multi-Color Corp.	314,568	25,669
AAR Corp.	735,898	25,580
Badger Meter Inc.	640,435	25,521
* Novanta Inc.	708,193	25,495
US Ecology Inc.	503,431	25,423
* TrueBlue Inc.	959,207	25,419
* Patrick Industries Inc.	342,854	24,977
* Tutor Perini Corp.	868,514	24,970
* Installed Building Products Inc.	467,574	24,758
^ Sturm Ruger & Co. Inc.	398,115	24,743
ManTech International Corp. Class A	593,271	24,550
EVERTEC Inc.	1,418,064	24,533
Federal Signal Corp.	1,386,091	24,063
Primoris Services Corp.	964,768	24,061
* SPX Corp.	949,357	23,886
* Cotiviti Holdings Inc.	634,966	23,583
Heartland Express Inc.	1,123,586	23,393
CIRCOR International Inc.	389,594	23,134
* Huron Consulting Group Inc.	532,790	23,017
Sun Hydraulics Corp.	537,616	22,940
Altra Industrial Motion Corp.	575,213	22,893
HEICO Corp.	312,228	22,430
Viad Corp.	470,930	22,251
* TriMas Corp.	1,060,873	22,119
* MINDBODY Inc. Class A	793,770	21,591
* Navigant Consulting Inc.	1,080,611	21,353
* Continental Building Products Inc.	907,351	21,141
RR Donnelley & Sons Co.	1,683,531	21,111
* Milacron Holdings Corp.	1,173,140	20,636
* Advanced Disposal Services Inc.	904,952	20,570
Lindsay Corp.	230,395	20,563
Alamo Group Inc.	224,304	20,369
Schneider National Inc. Class B	906,270	20,273
Argan Inc.	327,748	19,665
Encore Wire Corp.	459,604	19,625
*^ Inovalon Holdings Inc. Class A	1,490,282	19,597

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	Shares	Market Value (\$000)
* ICF International Inc.	414,787	19,536
MTS Systems Corp.	376,295	19,492
General Cable Corp.	1,188,985	19,440
* Kratos Defense & Security Solutions Inc.	1,636,279	19,423
* Lydall Inc.	371,629	19,213
AVX Corp.	1,170,983	19,134
* Aerovironment Inc.	498,645	19,048
McGrath RentCorp	547,902	18,974
* Gardner Denver Holdings Inc.	873,129	18,868
* GMS Inc.	655,802	18,428
* Manitowoc Co. Inc.	3,051,867	18,342
Advanced Drainage Systems Inc.	908,166	18,254
Materion Corp.	485,810	18,169
Kadant Inc.	239,558	18,015
Griffon Corp.	797,400	17,503
* CBIZ Inc.	1,157,079	17,356
* Donnelley Financial Solutions Inc.	752,462	17,277
* PHH Corp.	1,241,625	17,097
* Aegion Corp. Class A	779,365	17,053
Quad/Graphics Inc.	739,064	16,939
Quanex Building Products Corp.	790,740	16,724
* RPX Corp.	1,197,821	16,710
TeleTech Holdings Inc.	403,386	16,458
NN Inc.	593,335	16,287
Schnitzer Steel Industries Inc.	646,009	16,279
* Atkore International Group Inc.	721,136	16,262
* Team Inc.	690,829	16,200
Kelly Services Inc. Class A	711,003	15,962
LSC Communications Inc.	742,745	15,895
Douglas Dynamics Inc.	481,113	15,829
Global Brass & Copper Holdings Inc.	506,662	15,479
CTS Corp.	712,837	15,397
* FARO Technologies Inc.	407,258	15,394
H&E Equipment Services Inc.	752,725	15,363
* Babcock & Wilcox Enterprises Inc.	1,284,469	15,105
Marten Transport Ltd.	543,266	14,886
* Wesco Aircraft Holdings Inc.	1,359,546	14,751
* International Seaways Inc.	676,633	14,663
* Thermon Group Holdings Inc.	752,230	14,420
* Casella Waste Systems Inc. Class A	871,809	14,306
* PGT Innovations Inc.	1,113,340	14,251
Insteel Industries Inc.	425,219	14,019
* Echo Global Logistics Inc.	700,998	13,950
Cass Information Systems Inc.	202,709	13,306
Essendant Inc.	896,920	13,301
* MYR Group Inc.	406,526	12,610
* InnerWorkings Inc.	1,081,354	12,544
* DXP Enterprises Inc.	358,671	12,374
* Engility Holdings Inc.	431,092	12,243
Hyster-Yale Materials Handling Inc.	173,737	12,205
* TimkenSteel Corp.	791,092	12,159
* NCI Building Systems Inc.	704,281	11,762
* Floor & Decor Holdings Inc. Class A	298,829	11,732
Ennis Inc.	595,527	11,375
* KEMET Corp.	887,626	11,362
ArcBest Corp.	547,893	11,287
Kforce Inc.	573,612	11,243
Myers Industries Inc.	623,718	11,196
* Kimball Electronics Inc.	612,992	11,065
* Everi Holdings Inc.	1,504,058	10,950
Landauer Inc.	206,849	10,818
Mesa Laboratories Inc.	74,384	10,660
Columbus McKinnon Corp.	418,324	10,634
REV Group Inc.	378,923	10,489

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	Shares	Market Value (\$000)
Resources Connection Inc.	759,314	10,403
* Astronics Corp.	339,466	10,344
* Cross Country Healthcare Inc.	763,836	9,861
Gorman-Rupp Co.	386,122	9,835
* Armstrong Flooring Inc.	545,065	9,795
* Control4 Corp.	490,284	9,614
B. Riley Financial Inc.	504,217	9,353
* Bazaarvoice Inc.	1,879,237	9,302
Miller Industries Inc.	371,560	9,233
* CAI International Inc.	384,065	9,064
Barrett Business Services Inc.	157,371	9,016
* Mistras Group Inc.	406,319	8,927
Heidrick & Struggles International Inc.	405,839	8,827
* Ply Gem Holdings Inc.	484,454	8,696
NVE Corp.	111,058	8,551
American Railcar Industries Inc.	222,753	8,531
* Landec Corp.	568,982	8,449
VSE Corp.	182,910	8,227
Daktronics Inc.	840,269	8,092
* NV5 Global Inc.	189,564	8,056
* YRC Worldwide Inc.	713,562	7,935
* Ducommun Inc.	250,256	7,903
Park Electrochemical Corp.	413,894	7,624
Park-Ohio Holdings Corp.	199,091	7,585
* Horizon Global Corp.	524,917	7,538
* Sterling Construction Co. Inc.	573,740	7,499
Spartan Motors Inc.	829,338	7,340
*^ Energy Recovery Inc.	844,718	7,003
* GP Strategies Corp.	263,508	6,957
^ Eagle Bulk Shipping Inc.	1,459,416	6,903
CRA International Inc.	185,332	6,731
* Hudson Technologies Inc.	793,998	6,709
Powell Industries Inc.	201,892	6,459
*^ Energous Corp.	396,106	6,441
CECO Environmental Corp.	662,861	6,085
NACCO Industries Inc. Class A	82,600	5,852
* Great Lakes Dredge & Dock Corp.	1,309,801	5,632
* Willdan Group Inc.	181,336	5,540
* Intevac Inc.	483,761	5,370
* Commercial Vehicle Group Inc.	626,377	5,293
* ServiceSource International Inc.	1,354,998	5,257
* Covenant Transportation Group Inc. Class A	297,596	5,217
* Vicor Corp.	289,796	5,187
Supreme Industries Inc. Class A	311,699	5,127
* Electro Scientific Industries Inc.	617,843	5,091
* EnerNOC Inc.	615,629	4,771
* Overseas Shipholding Group Inc. Class A	1,781,341	4,738
Eastern Co.	156,839	4,713
LSI Industries Inc.	516,199	4,672
* PRGX Global Inc.	710,958	4,621
Bel Fuse Inc. Class B	186,587	4,609
* Roadrunner Transportation Systems Inc.	624,814	4,542
* Neff Corp. Class A	238,388	4,529
^ Advanced Emissions Solutions Inc.	488,559	4,475
* Franklin Covey Co.	229,480	4,429
* Sparton Corp.	201,033	4,421
* Maxwell Technologies Inc.	736,414	4,411
* Orion Group Holdings Inc.	584,402	4,365
*^ Aqua Metals Inc.	339,079	4,255
* Era Group Inc.	449,343	4,251
* Information Services Group Inc.	1,033,241	4,247
Allied Motion Technologies Inc.	155,341	4,228
* Acacia Research Corp.	1,023,078	4,195
National Research Corp. Class B	87,271	4,155

Vanguard® Total Stock Market Index Fund
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	Shares	Market Value (\$000)
* Radiant Logistics Inc.	767,888	4,131
FreightCar America Inc.	236,893	4,120
* Heritage-Crystal Clean Inc.	256,426	4,077
Omega Flex Inc.	60,205	3,877
* CyberOptics Corp.	183,800	3,795
LB Foster Co. Class A	175,883	3,773
Graham Corp.	187,416	3,685
* IES Holdings Inc.	201,491	3,657
*^ Forterra Inc.	444,288	3,657
Hurco Cos. Inc.	104,859	3,644
* UFP Technologies Inc.	127,473	3,607
* Twin Disc Inc.	222,915	3,598
BG Staffing Inc.	203,010	3,528
* DHI Group Inc.	1,222,391	3,484
* Hill International Inc.	667,343	3,470
* Northwest Pipe Co.	210,221	3,418
National Research Corp. Class A	126,849	3,412
* Astronics Corp. Class B	111,356	3,405
* Vishay Precision Group Inc.	195,688	3,385
*^ MicroVision Inc.	1,575,583	3,340
* Willis Lease Finance Corp.	123,166	3,292
Hardinge Inc.	254,551	3,162
Black Box Corp.	364,910	3,120
*^ Blue Bird Corp.	182,809	3,108
* Goldfield Corp.	559,823	3,079
* Iteris Inc.	491,878	3,059
* Global Water Resources Inc.	306,658	3,036
* StarTek Inc.	241,218	2,953
Crawford & Co. Class B	313,468	2,915
*^ Huttig Building Products Inc.	402,964	2,825
* Asure Software Inc.	191,525	2,798
* Gencor Industries Inc.	169,936	2,753
* Napco Security Technologies Inc.	275,603	2,591
DMC Global Inc.	195,784	2,565
United States Lime & Minerals Inc.	32,488	2,549
Houston Wire & Cable Co.	475,973	2,499
*^ ExOne Co.	217,359	2,489
*^ Layne Christensen Co.	282,603	2,484
* Planet Payment Inc.	720,688	2,378
*^ Arotech Corp.	636,010	2,258
* Lawson Products Inc.	96,392	2,135
* Manitex International Inc.	304,218	2,123
* Nuvectra Corp.	158,877	2,110
* ARC Document Solutions Inc.	504,508	2,099
*^ CUI Global Inc.	541,573	2,080
* Richardson Electronics Ltd.	338,852	2,023
*^ Workhorse Group Inc.	543,920	2,007
* CDI Corp.	340,177	1,990
* CryoPort Inc.	395,534	1,946
* Broadwind Energy Inc.	364,310	1,836
* Frequency Electronics Inc.	191,069	1,823
* PFSweb Inc.	217,863	1,800
* Aspen Aerogels Inc.	394,399	1,755
Crawford & Co. Class A	222,466	1,731
* Celadon Group Inc.	548,487	1,728
* Ballantyne Strong Inc.	232,067	1,555
* Sharps Compliance Corp.	358,366	1,516
* Daseke Inc.	127,278	1,417
* Ultralife Corp.	193,856	1,396
* ALJ Regional Holdings Inc.	433,960	1,389
* Perceptron Inc.	188,302	1,371
* Mattersight Corp.	532,688	1,358
* Xerium Technologies Inc.	183,281	1,318
* EnviroStar Inc.	47,900	1,296

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	Shares	Market Value (\$000)
* Transcat Inc.	104,670	1,272
* ModusLink Global Solutions Inc.	732,678	1,253
* PAM Transportation Services Inc.	65,444	1,240
* CPI Aerostructures Inc.	130,743	1,229
* Key Technology Inc.	85,325	1,173
* LightPath Technologies Inc. Class A	411,197	1,110
* Perma-Pipe International Holdings Inc.	136,141	1,089
* USA Truck Inc.	117,929	1,021
* Innovative Solutions & Support Inc.	206,201	907
* Taylor Devices Inc.	67,427	901
* Lincoln Educational Services Corp.	271,137	841
* eMagin Corp.	328,800	806
*^ Synthesis Energy Systems Inc.	1,196,178	801
*^ Revolution Lighting Technologies Inc.	116,833	770
*^ American Superconductor Corp.	165,242	763
* Volt Information Sciences Inc.	186,827	738
*^ Energy Focus Inc.	274,872	723
* Perma-Fix Environmental Services	188,566	698
* IEC Electronics Corp.	192,084	692
*^ Cerveo Inc.	107,920	657
AMCON Distributing Co.	5,948	626
* Ameresco Inc. Class A	71,297	549
*^ Applied DNA Sciences Inc.	297,601	524
* Orion Energy Systems Inc.	390,406	500
* ClearSign Combustion Corp.	128,314	488
*^ Vertex Energy Inc.	437,710	468
*^ UQM Technologies Inc.	540,865	459
* Luna Innovations Inc.	280,341	423
*^ Research Frontiers Inc.	320,612	414
Chicago Rivet & Machine Co.	11,186	410
* Air T Inc.	19,270	409
*^ Centrex Inc.	98,808	356
*^ GEE Group Inc.	67,770	350
* Foundation Building Materials Inc.	26,754	344
*^ Odyssey Marine Exploration Inc.	93,030	336
* Sevcon Inc.	23,992	322
* Wireless Telecom Group Inc.	185,057	296
*^ Polar Power Inc.	54,012	287
*^ AMREP Corp.	41,838	284
* ENGGlobal Corp.	215,127	280
* DLH Holdings Corp.	50,884	274
* Image Sensing Systems Inc.	74,588	272
Ecology and Environment Inc.	21,480	272
* Universal Technical Institute Inc.	70,427	251
*^ Turtle Beach Corp.	356,386	249
*^ Capstone Turbine Corp.	346,903	236
*^ EnSync Inc.	602,688	223
*^ Patriot National Inc.	104,630	222
Bel Fuse Inc. Class A	10,580	221
Greif Inc. Class B	3,467	209
* Versar Inc.	141,293	206
*^ Pioneer Power Solutions Inc.	30,547	205
RF Industries Ltd.	106,118	196
*^ Digital Ally Inc.	60,491	191
* BlueLinx Holdings Inc.	15,958	174
* Continental Materials Corp.	8,941	171
* Echelon Corp.	29,696	155
* Fuel Tech Inc.	173,732	146
* IntriCon Corp.	18,209	146
* Astrotech Corp.	150,256	144
* Sypris Solutions Inc.	87,241	144
* SigmaTron International Inc.	18,805	124
* American Electric Technologies Inc.	65,060	117
* Patriot Transportation Holding Inc.	6,242	112

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	Shares	Market Value (\$000)
* SIFCO Industries Inc.	16,533	110
*^ Quest Resource Holding Corp.	37,894	93
* Industrial Services of America Inc.	55,088	82
* Rand Logistics Inc.	202,682	79
*^ Command Security Corp.	15,885	50
* AeroCentury Corp.	3,872	48
*^ Payment Data Systems Inc.	38,549	47
Servotronics Inc.	4,914	46
Universal Logistics Holdings Inc.	2,931	44
* Art's-Way Manufacturing Co. Inc.	7,669	23
Issuer Direct Corp.	1,680	22
*^ root9B Holdings Inc.	2,409	22
* Limbach Holdings Inc.	1,700	20
* Nortech Systems Inc.	4,400	16
* Rubicon Technology Inc.	1,565	15
* Tel-Instrument Electronics Corp.	4,297	14
* Electro-Sensors Inc.	1,291	5
* Interlink Electronics Inc.	462	4
* Jewett-Cameron Trading Co. Ltd.	185	2
* CTPartners Executive Search Inc.	100,659	—
* LGL Group Inc. Warrants Exp. 06/08/2018	3,000	—
		75,308,862

Oil & Gas (5.5%)

Exxon Mobil Corp.	97,608,070	7,879,900
Chevron Corp.	43,636,886	4,552,636
Schlumberger Ltd.	32,006,897	2,107,334
ConocoPhillips	28,473,897	1,251,713
EOG Resources Inc.	13,288,681	1,202,891
Occidental Petroleum Corp.	17,585,715	1,052,857
Kinder Morgan Inc.	43,634,364	836,034
Phillips 66	10,097,991	835,003
Halliburton Co.	18,981,205	810,687
Valero Energy Corp.	10,342,707	697,719
Marathon Petroleum Corp.	12,091,864	632,767
Pioneer Natural Resources Co.	3,911,248	624,157
Anadarko Petroleum Corp.	12,886,521	584,275
Williams Cos. Inc.	19,010,066	575,625
Baker Hughes Inc.	9,808,362	534,654
Apache Corp.	8,741,813	418,995
* Concho Resources Inc.	3,412,430	414,713
Devon Energy Corp.	11,484,035	367,145
Tesoro Corp.	3,496,518	327,274
Hess Corp.	6,927,537	303,911
National Oilwell Varco Inc.	8,736,016	287,764
Noble Energy Inc.	10,062,533	284,770
Cabot Oil & Gas Corp.	10,706,372	268,516
EQT Corp.	3,982,785	233,351
Marathon Oil Corp.	19,483,483	230,879
* Cheniere Energy Inc.	4,647,202	226,365
Targa Resources Corp.	4,934,457	223,037
Cimarex Energy Co.	2,178,650	204,815
* Diamondback Energy Inc.	2,252,227	200,020
OGE Energy Corp.	4,616,105	160,594
* Parsley Energy Inc. Class A	5,366,699	148,926
Range Resources Corp.	5,671,610	131,411
* Newfield Exploration Co.	4,551,542	129,537
Helmerich & Payne Inc.	2,232,248	121,300
HollyFrontier Corp.	4,058,494	111,487
* Energen Corp.	2,222,621	109,731
*^ Antero Resources Corp.	5,055,190	109,243
*^ Chesapeake Energy Corp.	20,857,255	103,661
Core Laboratories NV	1,013,064	102,593
* Rice Energy Inc.	3,761,418	100,167
* RSP Permian Inc.	3,083,614	99,508

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	Shares	Market Value (\$000)
Patterson-UTI Energy Inc.	4,833,316	97,585
^ Murphy Oil Corp.	3,740,060	95,858
* WPX Energy Inc.	9,101,062	87,916
*^ Weatherford International plc	22,619,614	87,538
*^ First Solar Inc.	1,836,701	73,248
*^ Transocean Ltd.	8,845,728	72,800
* Southwestern Energy Co.	11,542,955	70,181
* Continental Resources Inc.	2,151,285	69,551
* PDC Energy Inc.	1,503,632	64,822
PBF Energy Inc. Class A	2,508,796	55,846
* QEP Resources Inc.	5,504,901	55,600
* Gulfport Energy Corp.	3,751,555	55,335
Oceaneering International Inc.	2,258,438	51,583
Nabors Industries Ltd.	6,158,511	50,130
*^ Ultra Petroleum Corp.	4,580,916	49,703
* Callon Petroleum Co.	4,574,202	48,532
* McDermott International Inc.	6,476,216	46,434
* Whiting Petroleum Corp.	8,355,988	46,042
* C&J Energy Services Inc.	1,313,638	45,018
* Oasis Petroleum Inc.	5,405,409	43,514
*^ Matador Resources Co.	1,986,215	42,445
SM Energy Co.	2,563,551	42,376
*^ Dril-Quip Inc.	868,321	42,374
SemGroup Corp. Class A	1,509,974	40,769
* NOW Inc.	2,502,131	40,234
Pattern Energy Group Inc. Class A	1,630,734	38,877
*^ Centennial Resource Development Inc. Class A	2,428,591	38,420
* Laredo Petroleum Inc.	3,595,503	37,825
Ensco plc Class A	7,041,927	36,336
* Superior Energy Services Inc.	3,477,888	36,274
* MRC Global Inc.	2,124,432	35,096
*^ Extraction Oil & Gas Inc.	2,568,332	34,544
* Oil States International Inc.	1,205,041	32,717
Delek US Holdings Inc.	1,184,941	31,330
* Carrizo Oil & Gas Inc.	1,779,935	31,006
* Rowan Cos. plc Class A	3,016,208	30,886
^ RPC Inc.	1,504,624	30,408
*^ SRC Energy Inc.	4,515,925	30,392
* Chart Industries Inc.	719,024	24,972
* Forum Energy Technologies Inc.	1,543,891	24,085
* Unit Corp.	1,196,268	22,406
^ Noble Corp. plc	5,909,525	21,393
* Exterran Corp.	741,236	19,791
* Helix Energy Solutions Group Inc.	3,348,309	18,884
Archrock Inc.	1,537,649	17,529
Green Plains Inc.	849,814	17,464
*^ Diamond Offshore Drilling Inc.	1,540,794	16,687
*^ Basic Energy Services Inc.	628,544	15,651
*^ Atwood Oceanics Inc.	1,893,973	15,436
*^ Denbury Resources Inc.	9,985,600	15,278
*^ Bonanza Creek Energy Inc.	450,324	14,280
* Newpark Resources Inc.	1,887,490	13,873
*^ Resolute Energy Corp.	462,100	13,757
* Ring Energy Inc.	1,057,809	13,752
*^ Par Pacific Holdings Inc.	749,856	13,527
*^ SunPower Corp. Class A	1,438,630	13,437
* SandRidge Energy Inc.	772,474	13,294
* REX American Resources Corp.	135,277	13,062
*^ Keane Group Inc.	811,913	12,991
* SEACOR Holdings Inc.	362,606	12,437
*^ Halcon Resources Corp.	2,597,540	11,793
*^ Tellurian Inc.	1,166,401	11,699
Alon USA Energy Inc.	865,273	11,525
*^ Sanchez Energy Corp.	1,601,665	11,500

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	Shares	Market Value (\$000)
*^ Flotek Industries Inc.	1,227,367	10,973
* ProPetro Holding Corp.	785,100	10,960
*^ Jagged Peak Energy Inc.	808,395	10,792
* Renewable Energy Group Inc.	814,699	10,550
*^ Plug Power Inc.	5,093,795	10,391
CVR Energy Inc.	476,469	10,368
*^ Energy XXI Gulf Coast Inc.	491,787	9,133
Panhandle Oil and Gas Inc. Class A	369,229	8,529
* Natural Gas Services Group Inc.	324,486	8,064
*^ California Resources Corp.	922,969	7,891
*^ Stone Energy Corp.	405,088	7,446
*^ SEACOR Marine Holdings Inc.	363,263	7,396
*^ Penn Virginia Corp.	171,149	6,290
* Pacific Ethanol Inc.	970,891	6,068
* TETRA Technologies Inc.	2,131,988	5,948
* Abraxas Petroleum Corp.	3,663,161	5,934
* Matrix Service Co.	617,869	5,777
* Midstates Petroleum Co. Inc.	438,484	5,556
* Green Brick Partners Inc.	480,548	5,502
Evolution Petroleum Corp.	675,579	5,472
*^ WildHorse Resource Development Corp.	435,206	5,384
* Bill Barrett Corp.	1,629,419	5,002
* TPI Composites Inc.	265,289	4,903
^ Bristow Group Inc.	624,015	4,774
* Eclipse Resources Corp.	1,635,106	4,676
* Tesco Corp.	1,048,313	4,665
*^ Key Energy Services Inc.	234,875	4,519
* Mammoth Energy Services Inc.	237,368	4,415
*^ Smart Sand Inc.	487,221	4,341
* Parker Drilling Co.	3,161,078	4,267
* Geospace Technologies Corp.	302,590	4,185
Gulf Island Fabrication Inc.	340,764	3,953
*^ Gastar Exploration Inc.	4,236,643	3,923
*^ EP Energy Corp. Class A	1,059,267	3,877
* Pioneer Energy Services Corp.	1,875,237	3,844
*^ Earthstone Energy Inc. Class A	368,973	3,693
*^ Approach Resources Inc.	1,088,545	3,668
* Contango Oil & Gas Co.	521,409	3,462
*^ CARBO Ceramics Inc.	489,512	3,353
* Select Energy Services Inc. Class A	271,965	3,304
* Trecora Resources	285,748	3,215
*^ Zion Oil & Gas Inc.	924,718	3,172
* SilverBow Resources Inc.	112,697	2,948
* Independence Contract Drilling Inc.	757,652	2,947
* Goodrich Petroleum Corp.	241,047	2,941
^ Comstock Resources Inc.	413,320	2,922
Adams Resources & Energy Inc.	67,133	2,758
*^ Lilis Energy Inc.	448,831	2,199
* Willbros Group Inc.	885,042	2,186
*^ W&T Offshore Inc.	1,017,657	1,995
* Isramco Inc.	17,021	1,947
*^ Northern Oil and Gas Inc.	1,203,811	1,685
*^ FuelCell Energy Inc.	1,208,449	1,499
* Dawson Geophysical Co.	380,256	1,491
* Cobalt International Energy Inc.	570,574	1,409
* PHI Inc. NV	140,475	1,371
*^ Torchlight Energy Resources Inc.	745,993	1,238
*^ Hornbeck Offshore Services Inc.	412,841	1,168
*^ Enphase Energy Inc.	1,087,138	940
* Mitcham Industries Inc.	234,787	934
*^ Rosehill Resources Inc.	103,445	863
* Lonestar Resources US Inc. Class A	187,263	805
* VAALCO Energy Inc.	816,705	764
*^ Amyris Inc.	238,647	759

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	Shares	Market Value (\$000)
*^ Jones Energy Inc. Class A	460,954	738
* PetroQuest Energy Inc.	339,980	673
*^ Rex Energy Corp.	214,639	620
^ EXCO Resources Inc.	219,492	582
*^ Eco-Stim Energy Solutions Inc.	352,961	441
* PHI Inc.	40,344	412
*^ TerraVia Holdings Inc.	1,691,956	395
* Aemetis Inc.	206,467	277
*^ Stone Energy Corp. Warrants Exp. 02/28/2021	116,107	240
*^ Ideal Power Inc.	109,340	230
*^ Enservco Corp.	549,204	172
*^ Gevo Inc.	238,533	164
*^ ION Geophysical Corp.	37,409	163
*^ Yuma Energy Inc.	118,650	110
*^ Superior Drilling Products Inc.	113,740	72
*^ MagneGas Corp.	51,451	63
*^ Bonanza Creek Energy Inc. Warrants Exp. 04/28/2020	33,839	47
* Tidewater Inc.	25,100	18
* Basic Energy Services Inc. Warrants Exp. 12/23/2023	4,640	14
Harvest Natural Resources Inc.	51,829	—
		32,220,848
Other (0.0%)²		
* Dyax Corp CVR Exp. 12/31/2019	2,750,063	5,500
* NCS Multistage Holdings Inc.	208,579	5,252
*^ Tobira Therapeutics Inc. CVR	201,001	2,762
* Media General Inc. CVR	2,351,934	699
* Adolor Corp. Rights Exp. 07/01/2019	592,629	308
* Chelsea Therapeutics International Ltd. CVR	1,157,305	127
* Ambit Biosciences Corp. CVR	201,330	121
* Omthera Pharmaceuticals Inc. CVR	121,311	73
* Alexza Pharmaceuticals Inc. CVR	327,391	12
* Seventy Seven Energy Inc Escrow Line	7,222	1
* Clinical Data CVR	216,285	—
* Gerber Scientific Inc. CVR	388,581	—
*^ Biosante Pharmaceutical Inc. CVR	253,823	—
* NuPathe Inc. CVR	158,681	—
* Seventy Seven Energy Inc Warrants Exp. 08/01/2023	361	—
* Seventy Seven Energy Inc Warrants Exp. 08/01/2021	401	—
		14,855
Technology (17.3%)		
Apple Inc.	108,093,912	15,567,685
Microsoft Corp.	177,774,267	12,253,980
* Facebook Inc. Class A	54,439,512	8,219,278
* Alphabet Inc. Class A	6,900,772	6,415,510
* Alphabet Inc. Class C	6,740,405	6,125,208
Intel Corp.	108,442,405	3,658,847
Cisco Systems Inc.	115,073,238	3,601,792
Oracle Corp.	70,998,449	3,559,862
International Business Machines Corp.	20,536,688	3,159,159
Broadcom Ltd.	9,246,345	2,154,861
NVIDIA Corp.	13,019,830	1,882,147
QUALCOMM Inc.	34,018,732	1,878,514
Texas Instruments Inc.	22,968,668	1,766,980
* Adobe Systems Inc.	11,369,884	1,608,156
* salesforce.com Inc.	15,549,243	1,346,564
Applied Materials Inc.	24,861,967	1,027,048
Cognizant Technology Solutions Corp. Class A	13,607,565	903,542
Intuit Inc.	5,583,632	741,562
* Micron Technology Inc.	24,191,234	722,350
HP Inc.	38,883,769	679,688
Analog Devices Inc.	8,392,625	652,946
Corning Inc.	21,338,637	641,226
Hewlett Packard Enterprise Co.	38,095,629	632,006
Western Digital Corp.	6,694,864	593,165

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	Shares	Market Value (\$000)
Lam Research Corp.	3,738,173	528,690
DXC Technology Co.	6,508,615	499,341
* Autodesk Inc.	4,850,053	488,982
* Cerner Corp.	6,828,047	453,860
* ServiceNow Inc.	3,893,266	412,686
Skyworks Solutions Inc.	4,246,590	407,460
Symantec Corp.	14,199,264	401,129
* Red Hat Inc.	4,097,826	392,367
Microchip Technology Inc.	4,962,764	383,026
Xilinx Inc.	5,706,185	367,022
KLA-Tencor Corp.	3,598,437	329,293
Motorola Solutions Inc.	3,766,387	326,696
Harris Corp.	2,861,729	312,157
* Dell Technologies Inc. Class V	4,921,513	300,754
Maxim Integrated Products Inc.	6,501,353	291,911
* Workday Inc. Class A	3,004,771	291,463
* Citrix Systems Inc.	3,385,026	269,380
* Palo Alto Networks Inc.	2,007,508	268,625
Seagate Technology plc	6,807,907	263,806
* Synopsys Inc.	3,480,710	253,848
NetApp Inc.	6,294,651	252,101
CA Inc.	7,267,605	250,514
*^ Advanced Micro Devices Inc.	19,573,188	244,273
Juniper Networks Inc.	8,716,139	243,006
* Gartner Inc.	1,961,924	242,317
*^ Twitter Inc.	13,432,375	240,037
* ANSYS Inc.	1,970,061	239,717
CDW Corp.	3,674,024	229,737
* Cadence Design Systems Inc.	6,406,681	214,560
CDK Global Inc.	3,356,351	208,295
*^ VeriSign Inc.	2,087,748	194,077
* Akamai Technologies Inc.	3,806,891	189,621
* F5 Networks Inc.	1,483,232	188,459
* Qorvo Inc.	2,922,097	185,027
* Splunk Inc.	3,152,525	179,347
Leidos Holdings Inc.	3,445,392	178,092
* IAC/InterActiveCorp	1,701,538	175,667
* CommScope Holding Co. Inc.	4,439,486	168,834
*^ Arista Networks Inc.	1,075,415	161,086
SS&C Technologies Holdings Inc.	3,999,776	153,631
* PTC Inc.	2,657,624	146,488
Marvell Technology Group Ltd.	8,723,212	144,107
* Tyler Technologies Inc.	792,500	139,218
Teradyne Inc.	4,595,101	137,991
* Veeva Systems Inc. Class A	2,233,268	136,922
* ON Semiconductor Corp.	9,631,949	135,233
*^ Ultimate Software Group Inc.	640,385	134,519
LogMeIn Inc.	1,232,337	128,779
* athenahealth Inc.	911,665	128,135
* Fortinet Inc.	3,399,842	127,290
*^ VMware Inc. Class A	1,426,529	124,721
* Microsemi Corp.	2,647,344	123,896
Brocade Communications Systems Inc.	9,596,631	121,014
* ARRIS International plc	4,262,545	119,437
CSRA Inc.	3,725,466	118,284
* Square Inc.	5,007,869	117,485
* Nuance Communications Inc.	6,682,917	116,350
* Guidewire Software Inc.	1,690,668	116,166
* NCR Corp.	2,842,137	116,073
*^ Garmin Ltd.	2,170,033	110,737
Fair Isaac Corp.	737,114	102,761
* Medidata Solutions Inc.	1,263,831	98,832
Cypress Semiconductor Corp.	7,160,282	97,738
* Aspen Technology Inc.	1,755,959	97,034

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	Shares	Market Value (\$000)
*^ Snap Inc.	5,459,111	97,008
j2 Global Inc.	1,115,846	94,947
* EPAM Systems Inc.	1,116,774	93,910
Blackbaud Inc.	1,091,340	93,582
* Cirrus Logic Inc.	1,467,048	92,013
* Cavium Inc.	1,474,387	91,604
DST Systems Inc.	1,459,584	90,056
* Teradata Corp.	2,973,594	87,691
* Tech Data Corp.	862,871	87,150
*^ ViaSat Inc.	1,266,921	83,870
* Tableau Software Inc. Class A	1,358,314	83,224
MKS Instruments Inc.	1,232,114	82,921
SYNNEX Corp.	690,417	82,822
Monolithic Power Systems Inc.	852,355	82,167
*^ Proofpoint Inc.	943,749	81,946
* Ellie Mae Inc.	736,504	80,949
* Ciena Corp.	3,224,868	80,686
* GoDaddy Inc. Class A	1,886,613	80,030
* Manhattan Associates Inc.	1,621,084	77,909
* Lumentum Holdings Inc.	1,331,486	75,961
* Integrated Device Technology Inc.	2,884,052	74,380
* Paycom Software Inc.	1,077,047	73,681
* Entegris Inc.	3,244,499	71,217
* CACI International Inc. Class A	563,308	70,442
* NetScout Systems Inc.	2,016,115	69,354
* Finisar Corp.	2,542,868	66,064
Pitney Bowes Inc.	4,294,848	64,852
* Silicon Laboratories Inc.	911,202	62,281
*^ Dycom Industries Inc.	681,810	61,036
* ACI Worldwide Inc.	2,724,234	60,941
InterDigital Inc.	784,735	60,660
* Zendesk Inc.	2,128,242	59,123
* Verint Systems Inc.	1,450,831	59,049
* Advanced Energy Industries Inc.	908,939	58,799
Science Applications International Corp.	804,911	55,877
*^ FireEye Inc.	3,660,666	55,679
* Cree Inc.	2,253,081	55,538
* Viavi Solutions Inc.	5,271,440	55,508
* Semtech Corp.	1,504,342	53,780
* Allscripts Healthcare Solutions Inc.	4,206,643	53,677
* CommVault Systems Inc.	925,643	52,253
TiVo Corp.	2,712,097	50,581
* Electronics For Imaging Inc.	1,062,588	50,345
* HubSpot Inc.	754,072	49,580
Power Integrations Inc.	650,631	47,431
*^ 2U Inc.	1,010,373	47,407
*^ 3D Systems Corp.	2,524,844	47,215
* RealPage Inc.	1,294,763	46,547
Pegasystems Inc.	790,200	46,108
* VeriFone Systems Inc.	2,544,942	46,063
* RingCentral Inc. Class A	1,258,666	46,004
^ Diebold Nixdorf Inc.	1,619,121	45,335
* EchoStar Corp. Class A	725,710	44,051
* Mercury Systems Inc.	1,042,688	43,887
* Cornerstone OnDemand Inc.	1,226,595	43,851
* MicroStrategy Inc. Class A	224,881	43,103
*^ Synaptics Inc.	828,486	42,841
* Premier Inc. Class A	1,186,070	42,699
Cabot Microelectronics Corp.	575,151	42,463
* Envestnet Inc.	1,011,709	40,064
Plantronics Inc.	764,829	40,008
*^ Twilio Inc. Class A	1,336,025	38,892
* Infinera Corp.	3,496,086	37,303
* MaxLinear Inc.	1,329,776	37,087

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	Shares	Market Value (\$000)
Cogent Communications Holdings Inc.	924,427	37,070
* New Relic Inc.	834,478	35,891
* Callidus Software Inc.	1,460,244	35,338
Xperi Corp.	1,146,470	34,165
*^ Oclaro Inc.	3,631,067	33,914
* Insight Enterprises Inc.	823,399	32,928
Brooks Automation Inc.	1,510,437	32,761
Progress Software Corp.	1,059,398	32,725
* BroadSoft Inc.	730,024	31,428
* NETGEAR Inc.	721,443	31,094
* Box Inc.	1,641,233	29,936
* Rambus Inc.	2,582,720	29,520
*^ Inphi Corp.	858,740	29,455
*^ Ubiquiti Networks Inc.	566,693	29,451
* Web.com Group Inc.	1,164,041	29,450
* Gigamon Inc.	747,695	29,422
CSG Systems International Inc.	724,332	29,393
^ Ebix Inc.	531,524	28,649
NIC Inc.	1,491,092	28,256
* Q2 Holdings Inc.	759,305	28,056
* Qualys Inc.	667,010	27,214
West Corp.	1,162,808	27,117
* SPS Commerce Inc.	420,385	26,804
*^ Pure Storage Inc. Class A	2,016,733	25,834
*^ Applied Optoelectronics Inc.	413,541	25,553
* Five9 Inc.	1,165,253	25,076
* ScanSource Inc.	592,424	23,875
* Coupa Software Inc.	822,772	23,844
* Extreme Networks Inc.	2,510,793	23,150
* Bottomline Technologies de Inc.	888,723	22,831
ADTRAN Inc.	1,102,995	22,777
* CEVA Inc.	500,271	22,737
* ePlus Inc.	304,606	22,571
* Super Micro Computer Inc.	907,393	22,367
* Quality Systems Inc.	1,231,189	21,189
*^ Shutterstock Inc.	473,684	20,880
* FormFactor Inc.	1,654,012	20,510
* Virtusa Corp.	695,970	20,462
* Diodes Inc.	841,479	20,221
* Blucora Inc.	932,152	19,762
*^ Match Group Inc.	1,111,370	19,316
* Barracuda Networks Inc.	824,614	19,016
* Amkor Technology Inc.	1,937,121	18,926
*^ Impinj Inc.	375,640	18,275
* Lattice Semiconductor Corp.	2,733,421	18,205
Monotype Imaging Holdings Inc.	968,676	17,727
* Cray Inc.	951,290	17,504
* CalAmp Corp.	829,859	16,871
* Alarm.com Holdings Inc.	445,815	16,776
* PROS Holdings Inc.	610,578	16,724
* Synchronoss Technologies Inc.	1,008,225	16,585
*^ Acacia Communications Inc.	397,575	16,487
* Rudolph Technologies Inc.	701,727	16,034
*^ Nutanix Inc.	766,933	15,454
* Varonis Systems Inc.	414,547	15,421
* Vocera Communications Inc.	579,200	15,302
* Perficient Inc.	816,243	15,215
* Photonics Inc.	1,575,614	14,811
* Unisys Corp.	1,130,237	14,467
* Axcelis Technologies Inc.	686,781	14,388
Syntel Inc.	848,189	14,385
*^ Gogo Inc.	1,229,664	14,178
* Nanometrics Inc.	539,436	13,642
*^ Benefitfocus Inc.	373,855	13,590

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	Shares	Market Value (\$000)
* Ultra Clean Holdings Inc.	718,662	13,475
* Loral Space & Communications Inc.	312,040	12,965
* LivePerson Inc.	1,167,332	12,841
* Blackline Inc.	358,971	12,830
* Boingo Wireless Inc.	830,474	12,424
* CommerceHub Inc.	690,848	12,048
* Carbonite Inc.	549,411	11,977
* Xcerra Corp.	1,222,687	11,946
* Actua Corp.	838,879	11,786
*^ Instructure Inc.	385,644	11,376
*^ Hortonworks Inc.	867,471	11,173
* ShoreTel Inc.	1,835,087	10,644
* Workiva Inc.	548,350	10,446
* VASCO Data Security International Inc.	720,280	10,336
* Silver Spring Networks Inc.	914,578	10,316
Comtech Telecommunications Corp.	539,424	10,233
* Everbridge Inc.	416,795	10,153
* PDF Solutions Inc.	613,546	10,093
^ Computer Programs & Systems Inc.	303,769	9,964
* IXYS Corp.	599,457	9,861
*^ KeyW Holding Corp.	1,051,152	9,828
*^ Digimarc Corp.	242,212	9,725
Cohu Inc.	613,554	9,657
* Endurance International Group Holdings Inc.	1,144,014	9,553
Forrester Research Inc.	237,897	9,314
* A10 Networks Inc.	1,077,295	9,092
* Sonus Networks Inc.	1,213,956	9,032
* Harmonic Inc.	1,706,566	8,959
Hackett Group Inc.	543,070	8,418
* Quantenna Communications Inc.	422,589	8,029
* Meet Group Inc.	1,584,129	8,000
*^ NeoPhotonics Corp.	1,030,545	7,956
* Vectrus Inc.	241,715	7,812
PC Connection Inc.	285,364	7,722
* MuleSoft Inc. Class A	308,892	7,704
* Alpha & Omega Semiconductor Ltd.	460,208	7,672
* Appfolio Inc.	233,714	7,619
* Apptio Inc. Class A	432,717	7,508
* Model N Inc.	562,667	7,483
* Rapid7 Inc.	421,585	7,095
* Zix Corp.	1,216,874	6,924
* WideOpenWest Inc.	395,080	6,874
* Internap Corp.	1,864,749	6,844
* Okta Inc.	293,841	6,700
EMCORE Corp.	625,493	6,661
* Xactly Corp.	425,251	6,655
* MobileIron Inc.	1,084,103	6,559
* Immersion Corp.	709,566	6,443
* ChannelAdvisor Corp.	553,328	6,391
QAD Inc. Class A	198,357	6,357
* Calix Inc.	923,957	6,329
* Mitek Systems Inc.	749,662	6,297
American Software Inc. Class A	610,021	6,277
*^ Cloudera Inc.	354,591	5,681
Systemax Inc.	301,894	5,676
* Telenav Inc.	699,069	5,662
* Ichor Holdings Ltd.	273,639	5,517
* AXT Inc.	866,393	5,502
* Digi International Inc.	538,100	5,462
* Kopin Corp.	1,461,514	5,422
*^ Ominto Inc.	350,905	5,351
* Quantum Corp.	670,754	5,239
* Presidio Inc.	362,051	5,181
* CommerceHub Inc. Class A	292,297	5,092

Vanguard® Total Stock Market Index Fund
Schedule of Investments
June 30, 2017

	Shares	Market Value (\$000)
* DSP Group Inc.	434,380	5,039
* Brightcove Inc.	811,616	5,032
* Upland Software Inc.	228,331	5,021
* Exa Corp.	355,577	4,907
* Rosetta Stone Inc.	441,087	4,755
* RigNet Inc.	292,541	4,695
*^ Castlight Health Inc. Class B	1,111,310	4,612
*^ VirnetX Holding Corp.	1,002,861	4,563
* Limelight Networks Inc.	1,565,019	4,523
* USA Technologies Inc.	793,653	4,127
* VOXX International Corp. Class A	492,421	4,038
* Amber Road Inc.	467,647	4,008
*^ Yext Inc.	282,274	3,763
* GSI Technology Inc.	473,112	3,719
* ARI Network Services Inc.	517,495	3,648
* KVH Industries Inc.	383,652	3,645
AstroNova Inc.	277,611	3,637
*^ QuickLogic Corp.	2,487,550	3,632
* NCI Inc. Class A	169,742	3,582
Simulations Plus Inc.	286,767	3,542
* Sigma Designs Inc.	587,441	3,437
* Guidance Software Inc.	518,568	3,428
*^ Pixelworks Inc.	717,621	3,294
*^ Alteryx Inc. Class A	168,465	3,288
* Clearfield Inc.	241,306	3,185
*^ SecureWorks Corp. Class A	340,081	3,159
* Radisys Corp.	825,027	3,102
TESSCO Technologies Inc.	231,449	3,078
* Agilysys Inc.	300,463	3,041
Computer Task Group Inc.	540,202	3,020
*^ Park City Group Inc.	231,390	2,811
* Ooma Inc.	349,647	2,797
PC-Tel Inc.	394,160	2,791
* Aerohive Networks Inc.	548,825	2,744
*^ Airgain Inc.	188,048	2,667
* Appian Corp.	141,000	2,559
* Datawatch Corp.	264,099	2,456
* Rightside Group Ltd.	227,052	2,411
* Key Tronic Corp.	315,335	2,233
* Amtech Systems Inc.	262,390	2,215
* Tabula Rasa HealthCare Inc.	146,500	2,205
* Aware Inc.	403,542	2,078
Preformed Line Products Co.	44,113	2,048
* Pendrell Corp.	278,498	2,014
*^ Rocket Fuel Inc.	727,253	2,000
*^ Everspin Technologies Inc.	99,502	1,988
* BSQUARE Corp.	346,199	1,939
* Edgewater Technology Inc.	280,893	1,918
TransAct Technologies Inc.	217,895	1,852
*^ Neurotrope Inc.	195,129	1,828
Great Elm Capital Group Inc.	525,638	1,787
Concurrent Computer Corp.	234,282	1,579
* PAR Technology Corp.	184,738	1,576
* Aehr Test Systems	391,907	1,470
* Tremor Video Inc.	562,379	1,400
GlobalSCAPE Inc.	254,655	1,347
*^ ClearOne Inc.	141,648	1,339
* RCM Technologies Inc.	257,001	1,298
Network-1 Technologies Inc.	304,119	1,293
* ID Systems Inc.	210,131	1,288
* Covisint Corp.	523,547	1,283
* Synacor Inc.	340,536	1,243
* MRV Communications Inc.	125,429	1,235
*^ CVD Equipment Corp.	110,562	1,224

Vanguard® Total Stock Market Index Fund
Schedule of Investments
June 30, 2017

	Shares	Market Value (\$000)
* iPass Inc.	874,224	1,154
* Support.com Inc.	473,810	1,109
*^ SITO Mobile Ltd.	291,495	1,081
* QAD Inc. Class B	38,958	1,046
* LRAD Corp.	587,032	992
* Netlist Inc.	947,442	966
*^ Atomera Inc.	215,867	930
* Icad Inc.	215,339	902
*^ Neonode Inc.	825,186	891
* Data I/O Corp.	108,812	865
* Aviat Networks Inc.	49,028	853
* GSE Systems Inc.	275,429	813
*^ Inseego Corp.	509,481	637
*^ TransEnterix Inc.	893,571	634
* Identiv Inc.	115,472	606
* Seachange International Inc.	227,144	604
*^ ParkerVision Inc.	326,371	584
* Tintri Inc.	80,300	584
*^ Xplore Technologies Corp.	291,547	569
* Finjan Holdings Inc.	169,342	555
* inTEST Corp.	82,255	551
* Marin Software Inc.	410,026	533
*^ WidePoint Corp.	1,102,888	507
* RELM Wireless Corp.	128,863	490
* Evolving Systems Inc.	86,477	445
* Adesto Technologies Corp.	95,690	435
* DASAN Zhone Solutions Inc.	68,570	411
* Lantronix Inc.	162,376	396
* Intermolecular Inc.	401,809	374
* Westell Technologies Inc. Class A	113,564	355
* Inuvo Inc.	342,961	350
* CSP Inc.	30,760	331
*^ Resonant Inc.	73,139	324
*^ Sunworks Inc.	181,082	317
* Communications Systems Inc.	72,826	315
* Qumu Corp.	107,637	314
* SharpSpring Inc.	63,634	288
* FalconStor Software Inc.	694,509	180
* Streamline Health Solutions Inc.	158,937	170
*^ Intellicheck Inc.	42,276	164
* Numerex Corp. Class A	32,302	159
* Sajan Inc.	26,258	153
* BroadVision Inc.	34,623	152
* Smith Micro Software Inc.	93,835	137
*^ NXT-ID Inc.	42,701	81
* Sonic Foundry Inc.	17,328	67
* FORM Holdings Corp.	31,359	52
* ARC Group Worldwide Inc.	17,147	50
* ADDvantage Technologies Group Inc.	29,519	48
*^ Fusion Telecommunications International Inc.	31,890	46
* Determine Inc.	17,103	45
* Ciber Inc.	401,000	26
* Socket Mobile Inc.	6,400	26
* NetSol Technologies Inc.	6,400	25
* Mastech Digital Inc.	3,680	24
* GlassBridge Enterprises Inc.	2,673	11
* Intelligent Systems Corp.	1,383	5
* Cinedigm Corp. Class A	800	1

100,374,987

Telecommunications (2.0%)

* AT&T Inc.	141,546,385	5,340,545
* Verizon Communications Inc.	93,920,728	4,194,500
* T-Mobile US Inc.	6,675,745	404,684
* Level 3 Communications Inc.	6,618,207	392,460

Vanguard® Total Stock Market Index Fund
Schedule of Investments
June 30, 2017

	Shares	Market Value (\$000)
CenturyLink Inc.	12,527,249	299,151
*^ Sprint Corp.	13,730,229	112,725
* Zayo Group Holdings Inc.	3,639,403	112,457
Telephone & Data Systems Inc.	2,178,359	60,449
Shenandoah Telecommunications Co.	1,085,208	33,316
^ Frontier Communications Corp.	28,340,499	32,875
* Vonage Holdings Corp.	4,524,515	29,590
* 8x8 Inc.	2,030,242	29,540
* Straight Path Communications Inc. Class B	153,742	27,620
Consolidated Communications Holdings Inc.	1,158,880	24,881
*^ Iridium Communications Inc.	2,019,070	22,311
*^ Globalstar Inc.	10,284,009	21,905
* GTT Communications Inc.	657,896	20,822
* General Communication Inc. Class A	567,903	20,808
Cincinnati Bell Inc.	995,236	19,457
* ORBCOMM Inc.	1,707,130	19,291
ATN International Inc.	265,217	18,151
Windstream Holdings Inc.	4,595,190	17,829
* United States Cellular Corp.	350,459	13,430
* FairPoint Communications Inc.	625,224	9,785
* Lumos Networks Corp.	534,063	9,544
Spok Holdings Inc.	463,911	8,211
* Hawaiian Telcom Holdco Inc.	288,954	7,221
* pdvWireless Inc.	254,420	5,928
IDT Corp. Class B	411,410	5,912
* HC2 Holdings Inc.	805,102	4,734
* Alaska Communications Systems Group Inc.	1,187,621	2,613
*^ Intelsat SA	527,613	1,614
* Otelco Inc. Class A	8,730	67
*^ CPS Technologies Corp.	2,000	2
		11,324,428
Utilities (3.1%)		
NextEra Energy Inc.	10,800,289	1,513,444
Duke Energy Corp.	16,122,704	1,347,697
Dominion Energy Inc.	14,506,917	1,111,665
Southern Co.	22,897,103	1,096,313
American Electric Power Co. Inc.	11,341,572	787,899
PG&E Corp.	11,768,829	781,097
Exelon Corp.	21,298,117	768,223
Sempra Energy	5,766,360	650,157
PPL Corp.	15,658,189	605,346
Edison International	7,493,875	585,946
Consolidated Edison Inc.	7,030,824	568,231
Xcel Energy Inc.	11,714,865	537,478
Public Service Enterprise Group Inc.	11,643,766	500,798
WEC Energy Group Inc.	7,273,114	446,424
Eversource Energy	7,286,855	442,385
DTE Energy Co.	4,146,640	438,673
American Water Works Co. Inc.	4,097,384	319,391
Entergy Corp.	4,113,541	315,797
Ameren Corp.	5,550,884	303,467
FirstEnergy Corp.	10,192,503	297,213
CMS Energy Corp.	6,409,367	296,433
CenterPoint Energy Inc.	9,406,961	257,563
ONEOK Inc.	4,830,107	251,938
Pinnacle West Capital Corp.	2,535,578	215,930
Alliant Energy Corp.	5,224,835	209,882
Atmos Energy Corp.	2,424,185	201,086
SCANA Corp.	2,942,196	197,157
UGI Corp.	3,945,730	191,013
NiSource Inc.	7,395,405	187,547
Westar Energy Inc. Class A	3,269,005	173,323
AES Corp.	14,971,667	166,335
Great Plains Energy Inc.	4,816,151	141,017

Vanguard® Total Stock Market Index Fund
Schedule of Investments
June 30, 2017

	Shares	Market Value (\$000)
Aqua America Inc.	4,065,477	135,380
NRG Energy Inc.	7,189,531	123,804
* Vistra Energy Corp.	6,722,972	112,879
* Calpine Corp.	8,306,438	112,386
Vectren Corp.	1,911,785	111,725
National Fuel Gas Co.	1,853,933	103,524
IDACORP Inc.	1,157,451	98,788
WGL Holdings Inc.	1,182,387	98,647
Portland General Electric Co.	2,046,771	93,517
ONE Gas Inc.	1,212,583	84,650
ALLETE Inc.	1,155,538	82,829
Black Hills Corp.	1,223,987	82,582
Hawaiian Electric Industries Inc.	2,490,861	80,654
New Jersey Resources Corp.	1,974,181	78,375
Southwest Gas Holdings Inc.	1,026,407	74,989
Spire Inc.	1,014,139	70,736
PNM Resources Inc.	1,809,691	69,221
Avangrid Inc.	1,523,046	67,242
NorthWestern Corp.	1,095,976	66,876
Avista Corp.	1,518,802	64,488
South Jersey Industries Inc.	1,822,483	62,274
Ormat Technologies Inc.	960,514	56,363
MGE Energy Inc.	853,326	54,912
El Paso Electric Co.	933,904	48,283
California Water Service Group	1,144,391	42,114
Northwest Natural Gas Co.	653,763	39,128
American States Water Co.	821,502	38,947
Chesapeake Utilities Corp.	350,336	26,258
* TerraForm Power Inc. Class A	2,100,809	25,210
* Dynegy Inc.	2,791,194	23,083
Unitil Corp.	411,798	19,894
SJW Group	378,503	18,615
Connecticut Water Service Inc.	331,515	18,402
Middlesex Water Co.	378,375	14,984
*^ Sunrun Inc.	1,901,437	13,538
York Water Co.	388,158	13,527
Artesian Resources Corp. Class A	226,947	8,542
*^ Cadiz Inc.	536,196	7,239
Delta Natural Gas Co. Inc.	191,597	5,838
* Atlantic Power Corp.	2,383,931	5,721
^ Spark Energy Inc. Class A	272,392	5,121
Gas Natural Inc.	346,811	4,474
*^ AquaVenture Holdings Ltd.	254,674	3,879
* Pure Cycle Corp.	483,835	3,750
Genie Energy Ltd. Class B	367,730	2,802
* US Geothermal Inc.	379,871	1,744
*^ Vivint Solar Inc.	181,914	1,064
		18,285,866
Total Common Stocks (Cost \$383,575,329)		577,792,891

Vanguard® Total Stock Market Index Fund
Schedule of Investments
June 30, 2017

	Coupon	Shares	Market Value (\$000)
Temporary Cash Investments (1.1%)¹			
Money Market Fund (1.1%)			
^{3,4} Vanguard Market Liquidity Fund	1.181%	63,822,793	6,383,556
		Face Amount (\$000)	
U.S. Government and Agency Obligations (0.0%)			
United States Treasury Bill	0.602%	7/13/17	500
⁵ United States Treasury Bill	0.918%	9/14/17	52,000
⁵ United States Treasury Bill	0.978%-0.980%	10/5/17	113,100
			165,198
Total Temporary Cash Investments (Cost \$6,548,067)			6,548,754
Total Investments (100.6%) (Cost \$390,123,396)			584,341,645
Other Assets and Liabilities—Net (-0.6%)^{4,6}			(3,313,515)
Net Assets (100%)			581,028,130

* Non-income-producing security.

^ Includes partial security positions on loan to broker-dealers. The total value of securities on loan is \$2,692,354,000.

1 The fund invests a portion of its cash reserves in equity markets through the use of index futures contracts and swap contracts. After giving effect to futures and swap investments, the fund's effective common stock and temporary cash investment positions represent 100.0% and 0.6%, respectively, of net assets.

2 "Other" represents securities that are not classified by the fund's benchmark index.

3 Affiliated money market fund available only to Vanguard funds and certain trusts and accounts managed by Vanguard. Rate shown is the 7-day yield.

4 Includes \$2,869,824,000 of collateral received for securities on loan, of which \$4,245,000 is held in cash.

5 Securities with a value of \$115,846,000 have been segregated as initial margin for open futures contracts.

6 Cash with a value of \$520,000 has been segregated as collateral for open over-the-counter swap contracts.

CVR—Contingent Value Rights.

REIT—Real Estate Investment Trust.

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Item 7: Disclosure of Proxy Voting Policies and Procedures for Closed-End Management Investment Companies.

Not Applicable.

Item 8: Portfolio Managers of Closed-End Management Investment Companies.

Not Applicable.

Item 9: Purchase of Equity Securities by Closed-End Management Investment Company and Affiliated Purchasers.

Not Applicable.

Item 10: Submission of Matters to a Vote of Security Holders.

Not Applicable.

Item 11: Controls and Procedures.

(a) Disclosure Controls and Procedures. The Principal Executive and Financial Officers concluded that the Registrant's Disclosure Controls and Procedures are effective based on their evaluation of the Disclosure Controls and Procedures as of a date within 90 days of the filing date of this report.

(b) Internal Control Over Financial Reporting. There were no significant changes in Registrant's Internal Control Over Financial Reporting or in other factors that could significantly affect this control subsequent to the date of the evaluation, including any corrective actions with regard to significant deficiencies and material weaknesses.

Item 12: Exhibits.

(a) Certifications.

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

VANGUARD INDEX FUNDS

BY: /s/ F. WILLIAM MCNABB III*

F. WILLIAM MCNABB III
CHIEF EXECUTIVE OFFICER

Date: August 17, 2017

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

VANGUARD INDEX FUNDS

BY: /s/ F. WILLIAM MCNABB III*

F. WILLIAM MCNABB III
CHIEF EXECUTIVE OFFICER

Date: August 17, 2017

VANGUARD INDEX FUNDS

BY: /s/ THOMAS J. HIGGINS*

THOMAS J. HIGGINS
CHIEF FINANCIAL OFFICER

Date: August 17, 2017

* By: /s/ Anne E. Robinson

Anne E. Robinson, pursuant to a Power of Attorney filed on October 4, 2016 see file Number 33-32548, Incorporated by Reference.

CERTIFICATIONS

I, F. William McNabb III, certify that:

1. I have reviewed this report on Form N-CSR of Vanguard Index Funds;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations, changes in net assets, and cash flows (if the financial statements are required to include a statement of cash flows) of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 17, 2017

/s/ F. William McNabb III

F. William McNabb III
Chief Executive Officer

CERTIFICATIONS

I, Thomas J. Higgins, certify that:

1. I have reviewed this report on Form N-CSR of Vanguard Index Funds;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations, changes in net assets, and cash flows (if the financial statements are required to include a statement of cash flows) of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Rule 30a-3(c) under the Investment Company Act of 1940) and internal control over financial reporting (as defined in Rule 30a-3(d) under the Investment Company Act of 1940) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of a date within 90 days prior to the filing date of this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the second fiscal quarter of the period covered by this report that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize, and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: August 17, 2017

/s/ Thomas J Higgins

Thomas J. Higgins
Chief Financial Officer

**Certification Pursuant to 18 U.S.C. Section 1350,
As Adopted Pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002**

Name of Issuer: **Vanguard Index Funds**

In connection with the Report on Form N-CSR of the above-named issuer that is accompanied by this certification, the undersigned hereby certifies, to his knowledge, that:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the issuer.

Date: August 17, 2017

/s/ F. William McNabb III

F. William McNabb III
Chief Executive Officer

**Certification Pursuant to 18 U.S.C. Section 1350,
As Adopted Pursuant to
Section 906 of the Sarbanes-Oxley Act of 2002**

Name of Issuer: **Vanguard Index Funds**

In connection with the Report on Form N-CSR of the above-named issuer that is accompanied by this certification, the undersigned hereby certifies, to his knowledge, that:

1. The Report fully complies with the requirements of Section 13(a) or 15(d) of the Securities Exchange Act of 1934; and
2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the issuer.

Date: August 17, 2017

/s/ Thomas J Higgins

Thomas J. Higgins
Chief Financial Officer